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SAN FRANCISCO, CALIF., JULY 4, 1931

Published Every Saturday
Thirty-fifth Year, No. 27

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Issued Every Saturday

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Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

Domestic Cement Manufacturers Seek Higher Import Tariff

As might be expected, there is wide conflict in the testimony of domestic manufacturers and the importers of cement concerning the effect of the duty of 22.5c per barrel imposed by the 1930 tariff, says Engineering News-Record. Their rival claims were presented June 10-11 at a hearing before the tariff commission in response to the Senate resolution sponsored by Senator Borah. Cement is one of the few important commodities which the reorganized tariff commission has taken up for investigation with a view to determining whether an adjustment in duty is warranted.

Claiming the Belgian cement has disrupted the seaboard markets, the representatives of Alpha, Lawrence, Lehigh and other domestic mills declared that the present duty is totally inadequate and that it should be increased to 35c, the maximum permissible under the flexible tariff provision for a 50 per cent adjustment in tariff duties either way. Albert MacC. Barnes, counsel for the domestic producers, informed the commission that the domestic industry does not complain concerning the volume of imports, but contends that it is not a healthy condition when imports so materially affect the domestic price situation. The weighted average cost of domestic cement delivered at principal markets, said Mr. Barnes, is \$1.98, compared with \$1.47 for imported cement.

Importers of Belgian cement claimed that as a result of the 1930 tariff their business has been cut in half. L. P. E. Giffroy, representing fourteen Belgian cement mills, testified that the capitalization cost per barrel of cement in Belgium is \$1.70, while the cost in the larger domestic mills ranges from \$2.10 to \$2.50. In no one year of the last ten, said Mr. Giffroy, have imports represented more than 2 per cent of domestic consumption, and imports in 1930 would have dropped lower than the actual figure of one-half of 1 per cent had not unexpired contracts been completed, regardless of the increased duty that has been imposed.

THREE LUMBER FIRMS IN MERGER

Merger of three lumber companies operating in Southern California and Arizona into a \$7,500,000 firm to be known as the Patten-Blinn Lumber Company is announced at Los Angeles. The consolidation unites the L. W. Blinn, Russ and Patten & Davies Lumber Companies, which own more than thirty yards in Southern California, mills in Los Angeles and San Diego and branch offices in Phoenix.

Henry E. Patten is president of the new company.

JUNE BUILDING TOTAL REGISTERS \$2,371,791

Building operations in San Francisco for the month of June, 1931, involved an expenditure of \$2,371,791, according to John B. Leonard, superintendent of the Bureau of Building Inspection of the Department of Public Works. During the month 575 permits were issued, as compared with 565 permits for the corresponding period in 1930 when the valuation total registered \$2,232,809.

During the past six months 3,333 permits were issued for improvements involving an expenditure of \$12,676,886.

Following is segregated report of the June, 1931, activities as compiled by Superintendent Leonard:

Class	No. of Permits	Est. Cost
A	—	—
B	3	\$ 328,800
C	7	157,800
Frames	173	726,181
Alterations	386	274,880
Gov't Bldgs.	1	20,000
State Bldgs.	1	15,488
Public Bldgs.	4	848,642
TOTAL	575	\$2,371,791

8300 EMPLOYED ON STATE JOBS

Establishing a new high record, 8,300 persons have been given work on state construction projects involving an expenditure of \$22,000,000 in connection with a state employment relief program.

This was disclosed in a report by Col. Walter E. Garrison, state director of public works, to Governor Rolph showing that the total number of persons employed will exceed 9,000 in the ensuing three months.

Highway, bridge and state building construction projects for the entire year will approximate \$30,000,000, Col. Garrison said.

More than 6,000 men are now employed on a contract of day labor on road projects totaling \$16,117,000, while a total of 2,042 men are at work on the building projects, and this number will be materially increased in the ensuing quarter, according to Garrison.

Contracts already awarded for state buildings total \$5,868,000, while an additional \$4,471,000 will be expended on other similar projects in the next 3 months, the report showed.

Col. Garrison said \$1,658,000 was being expended jointly by the state and private agencies through the division of water resources in development of water projects.

Miss Mary O. Soroka, who designs her own clothes, is the first woman to receive a certificate as civil engineer from the New York state authorities. She is a graduate of Massachusetts Institute of Technology.

Contractors Refuse To Bid Where Deposit For Plans Is Retained

No member of the Memphis Chapter, Associated General Contractors, will bid on a job where charge is made for plans and specifications. It was unanimously decided by that body, which defined its policy in the following resolutions:

Resolved, That no member of this (Memphis Chapter, A.G.C.), will bid on a job where any charge is made for plans and/or specifications. This does not eliminate placing a forfeit for plans and specifications, provided, however, the entire forfeit be refunded on return of said plans and specifications with a bona fide bid to the architect; nor does it eliminate a reasonable charge for extra sets of plans and specifications for estimating purposes. Be it further

Resolved, That a copy of this resolution be sent to all architects in Memphis, Nashville, Chattanooga and Knoxville and all other architects and engineers with whom our membership may come in contact, and to all civic officials and governing boards or commissions within the state of Tennessee in so far as possible, and that other A.G.C. organizations in the state be advised of our action.

JURISDICTION IS SETTLED BY A. F. L.

The long drawn out dispute between the Building Laborers International Union and the Marble Workers, who are affiliated with the Bricklayers International Union, over which body had jurisdiction and control of Terrazzo Workers' Helpers, has been settled. The matter was referred to the Executive Council of the American Federation of Labor and President Green of that body, last month sent the two parties a copy of the decision of the Executive Committee which is as follows:

"The Executive Council decides that jurisdiction over terrazzo workers' helpers belongs to the Marble Workers and that organization be allowed to change its name and title to include these workers. The Council bases this decision on the findings that the records do not disclose that the International Hod Carriers, Building Common Laborers' Union at any time was granted jurisdiction over terrazzo workers' helpers; that there is therefore involved no trespass of jurisdiction in this case."

Seven types of positive drive for the transmission of power are described in book 1293 of the Link-Bent Co., 300 West Pershing Road, Chicago, Ill. These include silent and roller chains, herringbone gears and speed reducers, steel and malleable chains, worm gear speed reducers and the P.I.V. variable speed transmission.

CALIFORNIA STATE HIGHWAY SYSTEM BELOW AVERAGE SAYS C. H. PURCELL, HIGHWAY CHIEF

By Charles H. Purcell California State Highway Engineer

DO YOU KNOW THAT

California measures up against the other forty-seven States in the Union as follows:

In population, 6th.
Motor vehicle registration, 2nd.
Percentage of paved state highways, 15th.
Per capita expenditure for state highways, 45th.
Mileage of highways improved in 1930, 29th.
Total mileage of state highways paved and surfaced, 19th.

Despite the fact that California, a pioneer in highway development, has expended to date on its highway system a total of approximately \$225,000,000, we have not kept pace with the majority of states in the Union. Forty-four others have a greater per capita expenditure than California!

Further, we rank only fifteenth in the United States in the percentage of paved highways!

And yet this State ranks second in motor vehicle registration and sixth in population.

And merely to serve adequately the traffic over our roads for the ten-year period ending 1940, the Division of Highways estimates \$365,000,000 will be needed for maintaining and improving the highway system.

These facts may startle the average Californian who firmly believes this State a leader in road making. So let me clear up this mistaken belief.

The present status of the California State Highway System is:

Mileage paved (concrete, asphalt or bituminous macadam).....	2591
Mileage surfaced (rock or oiled rock).....	1915
Mileage unsurfaced (earth).....	1831
Total.....	6337

Only 34.4 per cent of the California Highway System is now paved, while 14 other states have a higher percentage paved.

The total mileage surfaced and paved is 4506, which ranks California 13th among the states for this item, and three states have their entire state highway system surfaced.

During the year 1930 California improved or surfaced approximately 550 miles of the State Highway System, while 28 states exceeded this figure.

Considering population and motor vehicle registration the present state of improvement of the California State Highway System is below the average for other states of comparable population and motor vehicle registration. Not only is this true, but the present rate of State highway expenditure is still below the average annual State highway expenditure in those states.

The Division of Highways of California has, during the past two years, completed a thorough engineering and economic study of the State highway needs and finances in California for the ten-year period ending 1940. A thorough study was made of the improvements necessary to serve traffic during this ten-year period as well as of the funds which will become available during that period.

The estimated cost of maintenance and improving the State highway system, not to the ultimate standard of pavement, but to a standard adequate properly to serve the traffic during

this period is \$365,000,000. The estimated revenue, under existing laws, for State highway purposes is \$320,000,000.

There can be no diversion of State highway funds without seriously damaging the improvement of our State highway system and further lowering California's position when compared



By CHARLES H. PURCELL,
California State Highway Engineer
to the State highway development in other states.

The modern highway is a paying investment and is essential to the social and economic development of our country.

Here are the annual expenditures since the establishment of the State Highway System in 1912:

1912	\$ 161,128.45
1913	1,350,340.99
1914	2,397,328.73
1915	6,993,040.94
1916	7,240,159.37
1917	2,754,684.36
1918	5,409,317.18
1919	6,315,577.98
1920	9,120,473.24
1921	8,868,247.50
1922	17,750,709.50
1923	18,181,744.42
1924	16,475,994.29
1925	15,813,595.38
1926	16,064,960.01
1927	15,983,286.87
1928	15,886,156.89
1929	25,473,504.47
1930	33,144,154.41

Total.....\$225,384,410.98

It should be noted that in 1915 the State spent approximately \$7,000,000 on the highway system, which, with a motor vehicle registration of 164,000 gave a total per vehicle expense of \$43. During the past year the expenditures total approximately \$34,000,000, a per capita expense of approximately \$5.84, and with the present registration of 2,040,000, a per vehicle expense of approximately \$17.

DANIELS NAMED COMMISSIONER FOR MASTER PLASTERERS

Appointment of Earle M. Daniels as commissioner of the California State Conference of Master Plasterers' Association, with headquarters in the Chamber of Commerce Building, Los Angeles, is announced.

Prior to this time the association has been headed by some master who was also engaged in contracting for plastering, but the activities of the organization have so expanded that appointment of a permanent executive head was made necessary.

Daniels, who assumed his duties on June 1st, is a prominent attorney in Los Angeles, and through his previous contact with the building industry, is particularly well equipped to become the directing head of the California State Conference of Master Plasterers' Associations. He is, of course, assuming this office of commissioner in addition to his present duties as a practicing attorney, thereby making necessary the appointment of an assistant to aid him in connection with the affairs of the organization. He has selected Donald R. Wade to serve in this capacity, the latter for the past five years having been secretary of the Contracting Plasterers' Association of Los Angeles.

This move on the part of the contracting plasterers in appointing a commissioner was first discussed at the Eighth Annual Convention of the State Association held in Los Angeles in February of 1930, and reached a climax at the Ninth Annual Convention held in Fresno in February of this year, by the selection of a committee to which was delegated full power to act in choosing a commissioner.

This committee, headed by Wm. Makin of Oakland, will be in constant touch with the activities of the commissioner's office. Other members of the committee are S. L. Ford, Long Beach; Lew. Hughes, Pasadena; W. A. Keen, Glendale; C. C. Ownbey, Los Angeles; Joe Provenzano, San Jose; W. B. Scollan, Sacramento; M. E. Summers, Fresno; Harry Wadsworth, Los Angeles; Ed Westberg, Los Angeles; Fred Young, Santa Barbara; Joseph E. Young, Santa Monica.

The California State Conference of Master Plasterers' Associations, in broadening its scope over the time many organizations are curtailing their activities due to economic conditions, indicates the faith of the association in the tremendous development that lies ahead of California.

D. H. Sawyer, of New York City, has been appointed director of the Federal Employment Stabilization Board. This board, authorized by the last Congress in one of the bills introduced by Senator Wagner, of New York, is to take up advance planning of federal construction in all its branches, in order to help take care of unemployment. One of its objects is a study of the ups and downs of building operations. The other members of the board, besides Mr. Sawyer, are the secretaries of the treasury, agriculture, labor and commerce. For several years Mr. Sawyer was chief engineer of the Illinois Traction System. Later he became a member of Sawyer Bros., consulting engineers, with offices in Seattle and Spokane.

The Hoisting Engine Manufacturers' Association, comprised of leading manufacturers of construction hoisting equipment, has affiliated with the Association of General Contractors of America. It is announced by Wm. Campbell, president of the manufacturers' association.

\$2,225,000 CEMENT PLANT TO BE CONSTRUCTED AT SAN JOSE

Construction of a \$2,250,000 cement plant eight miles southwest of San Jose on the Almaden branch of the Southern Pacific Railroad, is contemplated by the San Jose Cement Company, Ltd., recently incorporated under the laws of Delaware with a total capital stock of \$19,500,000.

The company has been authorized by the California State Corporation Department to stock to the public. Ernest H. Dettner of San Francisco is president of the company. San Jose directors are: Dr. Mark F. Hopkins, second vice-president and treasurer; F. L. Burrell and Wendell C. Thomas.

Land has already been acquired and work of constructing a \$2,250,000 cement plant is expected to start within 90 days, the plant to be in operation within nine months.

According to the surveys made by its engineers, the lands acquired contained one of the finest lime deposits on the Pacific coast, being of exceptional purity. With the lands already owned by the company, it is estimated that, with an output of 1,000,000 barrels per year the plant could continue operations for 150 years. With these properties additional acreage is being acquired to bring the total to something over 1400 acres.

The properties are located about 8 miles southwest of San Jose and just to the east of Coleman avenue with the property adjoining the Almaden branch of the Southern Pacific railroad. The property centers around the junction of Rincon creek, Guadalupe creek and Capilancillos creek with the greater area on the slope west of the Guadalupe.

The plant is to be constructed by the Hunt-Mirk Company of San Francisco. Kilns and mills will be furnished by the Polysius Corporation of Bethlehem, Pa. It will have an initial daily capacity of 3,500 barrels.

As consulting engineers associated with the construction company will be A. P. Hachtman, of the Polysius Corp. Fred B. Frank, Sr., former president of the Keystone Cement Company, Thomas E. Reeves, San Francisco mining engineer, and Mark E. Thomas civil engineer of San Jose.

Because of the high quality of the materials on the property and the im-

proved processes and machinery to be employed, the output of the plant will be of the highest quality of quick-curing cement now demanded for highway and construction work because it may be used at the end of 24 hours after pouring instead of the 21 days required by ordinary cement.

Members of the board of directors are: Ernest H. Dettner, San Francisco, chairman of the executive committee and president of the company. He is president of Dettner's Printing House, Inc., and a director of the Virden Packing Company.

Dr. Burno Bruhn, first vice-president, former vice-president of the Polysius Company of Bethlehem, Pa., and recognized authority upon cement.

Dr. Mark F. Hopkins, San Jose physician and surgeon, member of the executive committee, second vice-president and treasurer. He is a director of the San Jose National Bank and president of the Medico-Dental Building Company.

Vincent Gerdau, San Francisco, secretary, sales executive for five years sales manager for the Reo Motor Sales Company at San Francisco, former president and general manager of the Service Tire Company, Los Angeles, and former sales manager of Moreland Truck Company in San Jose.

Wendell C. Thomas, San Jose, senior partner of Wendell C. Thomas & Son, realty development, president of Santa Clara County Consolidated.

Irwin H. Rice, San Francisco publisher, for six years president of the Merchants and Manufacturers Association of Los Angeles and now managing director of the San Francisco Shopping News.

F. L. Burrell, San Jose, president of Anderson-Barngrover Manufacturing Company, director of San Jose National Bank and a director of the Food Machinery Company.

Captain Herbert L. Hatch, San Francisco, former director of rivers and harbors improvement work at Portland for the United States government, for several years with the Alaska Explorations Company, and for four years with the Monticello Steamship Company of San Francisco.

Thomas J. Benny, San Francisco, president of the Hunt-Mirk Company.

The law is further amended to provide that the contractor may, when a suit is filed against him, post a surety bond for double the amount of the claim and the retained percentage will be paid to him after the 30-day period after completion and acceptance of the job has elapsed.

These two amendments were passed in order to stop the filing of unreasonable claims frequently brought against a contractor merely for the purpose of embarrassing him by withholding payment of his estimates—claims frequently filed with the idea that, in order to secure payment of his retained funds, the contractor will make a settlement for the amounts claimed.

Now, if a claimant does not bring suit against a contractor within 30 days, his claim is thrown out and if he does, the surety bond posted by the contractor will release his funds.

The revision of Iowa's lien laws was undertaken by the Iowa Engineering Society and a committee, headed by E. S. Boudinot of Webster City, and including engineers engaged in both the material business and in contracting, devoted several months of study to the lien laws and drew up the proposed amendments. The amendments as proposed had the endorsement of material concerns, contractors and engineers.

Lumbermen Consider Building Finance Plan

At a meeting of the Home Building Finance Committee of the National Lumber Manufacturers' Association in Chicago recently, attended by a number of interested lumbermen and merchandising experts, intensive study was given to the plan prepared by C. W. Lawrence, manager of the Chicago Division of the Long-Bell Lumber Sales Company. The plan has had more or less consideration by the Committee since the beginning of the year. It has been examined by the Special Committee on Home Finance, and the Business Research Corporation of Chicago was employed by the N. L. M. A. to aid Mr. Lawrence in the further development of his plan and in the formulation of a presentation of it.

The Lawrence plan proposes a system of merchandising completed homes and includes a provision for financing with only one mortgage. It also proposes combined purchasing of lumber for dealers holding a franchise under the plan; also elaborate provision for the architectural planning and building of completed homes, including publicity and promotion features and a sharing of net profits between the manufacturers of materials, distributors and the home owners. The proposed finance company will operate without profit, but would be allowed a moderate interest return on the capital investment. It will be controlled by a self-perpetuating trusteeship as a permanent safeguard against the possibility of domination by any particular group.

The financial essence of the plan is the expectation that outside of nominal common stock the capital will be subscribed by financial interests outside the lumber industry. It is contemplated in fact, that the plan should be sponsored by the steel, cement, brick and lumber industries combined.

The Lawrence plan is now under consideration by the Trade Extension Budget Committee, of which R. B. White, Kansas City, Mo., is the chairman.

San Francisco's foreign trade during the first quarter of this year was greater than that of any other Pacific Coast port, Los Angeles being second and Seattle third, according to official figures from Washington.

IOWA'S LIEN LAW AMENDED FOR RELIEF OF CONTRACTORS

Amendments to Iowa's lien laws relieving contractors from many unjust burdens have been passed by the recent session of the state legislature. The purpose of the amendments is to remove the "nuisance" claims which are filed against contractors for other than legitimate reasons. The amendments become effective July 4.

The first of the amendments, says the A. G. C. Contractor, deals with the existing statute providing that "material shall, in addition to its ordinary meaning, embrace feed, provisions and fuel." The amendment adds, "but shall not include personal expenses or personal purchases of employees for their individual use." This eliminates the filing of claims by a contractor's employees for food, board and gasoline for their own personal use.

The second amendment is intended to prevent the filing of claims for material being strung out over a long

period. Any person, other than the general contractor or his authorized agent, who has a claim against the job, must notify the general contractor within 30 days of his claim, otherwise it will not be honored. The old law provided that twice the amount claimed against a job would be retained by the state for six months after completion and final acceptance of the work, and that the claimant might start suit to collect on his claim during that six months. The law, as amended changes this six months' period to 60 days.

If a claim is filed against a contractor, the amended law provides that he may serve notice against the claimant to commence action in court for collection of the amount claimed, and if such suit is not started within 30 days, the claim is outlawed and the retained percentage released, provided that 30 days have elapsed since completion and final acceptance of the work.

THE OBSERVER

What He Hears and Sees on His Rounds

Final decision on the two zoning ordinances which would permit Alphonzo Bell to construct a cement mill in the heart of the Santa Monica mountains residential section will be taken at the general election in 1933 when they will be submitted for vote of the people, as a result of action of the Los Angeles city council yesterday. Meanwhile, the ordinances will be inoperative and Bell and his associates are automatically prohibited from doing any work toward the construction of the mill.

John C. Light, successful lumberman of Miami, Ariz., who was recently elected president of the Arizona Lumbermen's Club, is described by the Phoenix Gazette as a man who started out in business for himself when he was past 60 years of age. He is now past 70. "A man is just getting ready to accomplish things when he is sixty," Mr. Light is quoted as saying.

Residential construction in the United States this year has shown the first upturn since 1928 and other lines of manufacture and trade are already feeling the stimulus, says F. V. Holmes, president of the California Redwood Association.

State highway projects totaling \$9,740,500 will be last launched during July, Colonel Walter E. Garrison, State public works director, informs the governor's Cabinet. Garrison said the total will include \$3,174,000 in contracts awarded or pending award, \$2,595,200 in advertised projects and \$3,971,200 in work proposed for advertising by July 31.

Charged with violation of the state contractor's act in failing to procure a license, A. M. Drinkwater, plumber, was taken into custody last Monday at San Jose, and released on bail. The complaint was made by Jas. Fellom, investigator for the state department of professional and vocational standards.

The Industrial Commission of Utah has adopted a building safety code for the state, to become effective July 1. The code prescribes regulations requiring modern and safe practice in building or demolition work and fixes penalties of \$50 to \$5000 for violations. The new code is understood to correspond to the safety orders of the Industrial Accident Commission of California.

The Business Week reports that contractors erecting a postoffice in Frederick, Okla., called off a strike by agreeing to pay 50c and 60c an hour for common and skilled labor respectively, in comparison with 20c and 50c they tried to impose.

An extensive survey recently completed by Engineering News-Record of New York on wage cuts in the building industry discloses that wages paid throughout the country are from 14% to 27% below scale. This survey covers 45 representative cities and indicates that average actual wages received are 17% below scale for carpenters and bricklayers; 16% for plasterers, 14% for ironworkers, 27% for common laborers.

There is less building activity in Chicago than in most other cities and the financial condition of the City of Chicago and the crash of neighborhood banks hasn't helped to bring a return of normal construction activities, says the National Association of Building Trades Employers of that city.

While California is striding toward its \$120,000,000 paved highway program with seven-league boots, the counties of the state are not lagging behind.

Last year alone, the 58 counties of California spent a total of \$26,453,393 for highway construction and maintenance, bridges, etc., according to a statement just compiled by State Controller Ray L. Riley for Governor Rolph.

Los Angeles, largest county in the state, lead all the counties in California in highway improvements with a total of \$5,876,104.

San Francisco spent \$5,210,181 for highways, while Alameda county stood third with \$1,234,755.

The larger county highway expenditures for the year were as follows: Monterey, \$1,483,410; Orange, \$1,220,661; San Bernardino, \$953,112; Fresno, \$807,585; Kern, \$653,245; Sonoma, \$693,806; Santa Clara, \$649,999, and Marin, \$648,424.

Expansion of the use of convict labor in building roads in New York State has been advocated by the Commission to Investigate Prison Administration and Construction in New York State. It has recommended to the legislature that the system of assigning prisoners to road camps be extended to include all prisoners selected by the classification staff as suitable for this type of housing and work. In addition, it urges that prisoners be employed widely in the construction of the secondary road system which the state has recently undertaken to construct.

The American Institute of Architects, at their San Antonio convention, adopted a resolution urging their members to insert a clause in future specifications providing for accident prevention on building construction work.

News comes from Youngstown, Ohio, that the Bricklayers and Cement Finishers have signed an agreement accepting a reduction of one dollar per day in their wage rates. It is said that other trades will take similar action.

Governor Rolph vetoed Senate Bill No. 375 by Senator Baker, which gave all public bodies having authority to award contracts the right at their discretion to require prequalifications of bidders on public work. This bill passed both branches of the Legislature and was endorsed by the contractors' organizations. The bill was drafted along the line of the law permitting prequalification of bidders on state highways and buildings which was passed by the 1929 Legislature. The bill will be revived in the next Legislature.

Large scale construction of needed public works by national, State and local governments during periods of

depression is urged by Col. Arthur Woods, chairman of the President's committee on unemployment, in an article in The American Architect. Such construction, he said, can keep men at work if planned and timed wisely. He estimated public works at approximately \$3,500,000,000 in a normal year. This is about one-third of all construction and about 80 per cent of the total, he said, was paid to labor.

Bricklayers of Sandusky, Ohio, believing that a wage reduction would stimulate building in their locality, have voluntarily reduced wages \$2.00 a day, fixing their hourly wage at at \$1.25 per hour.

B. J. Feigenbaum, E. O. Erickson and S. Ladar will operate in San Francisco under the firm names of Kimball-Krough Pump Co. and Victor Welding Equipment Company.

The Building Trades Employers Association of New York say there will be no downward revision of building trades wages this year, as agreements entered into with labor unions do not expire until the spring of 1932.

Twelve new members were admitted to membership in the Peninsula Master Painters' and Decorators' Association at a meeting last Monday night at Palo Alto. Wm. Herman, president of the state association, acted as chairman of the meeting. Orman Lutz and James Fellom of the State Department of Professional and Vocational Standards, charged with the enforcement of the contractors' license law, addressed the meeting.

The Buhl Foundation of Pittsburgh, makes the announcement that it will spend \$1,000,000 at once in the construction of homes in the Pittsburgh district, which they will rent to persons of moderate means. The first unit of 125 homes will be built at once and be ready for occupancy early in the fall.

Newspaper reports from Soviet Russia indicate that the building mechanics in that country, while going along patriotically on the five-year plan of hard work, are suffering because of lack of sufficient income to do anything towards providing for their future and giving themselves or their families anything else than a bare existence. It is reported that the average monthly wage of building mechanics is between \$17.00 and \$24.00. High living costs and rents eat this up quickly.

It has just been announced by the division of simplified practice, of the National Bureau of Standards, that simplified practice recommendation R78-28 covering iron and steel roofing has been re-affirmed by the standing committee of the industry, without change, for another year. This recommendation establishes dimensions for widths, lengths, gauges and weights of corrugated, roll, V crimp and pressed standing seam galvanized or painted roofing, and has effected a reduction in the number of items of iron and steel roofing from 292 to 179, or approximately 39 per cent.

The regular monthly index figure computed from realty deeds recorded in 64 cities by the National Association of Real Estate Boards for May is 61.3. The April figure was 62.0. Since the first of the year, these figures, based on the norm 100 used for deeds recorded in the year 1926, have risen and fallen regularly every month every other month being higher than the previous one.

N. Y. ARCHITECTS AIM TO SECURE FEDERAL BUILDING PLANNING-ATTACK BUREAUCRACY

Bureaucracy at Washington and Albany threatens the art and science of architecture as well as fundamental principles of government, A. L. Brockway of Syracuse declared in an address opening a regional conference of the New York State Chapters of the American Institute of Architects at Cooperstown, N. Y., last week.

The architectural profession of the country, though it has produced "the buildings which are the admiration of the world," is being largely ignored in the carrying out of the vast public buildings programs of the Federal Government and of the New York State Government, charged Mr. Brockway, Director of the New York Division of the Institute.

Architects, in common with the nation, demand that Government keep out of business, and that the design and execution of public structures, national, city, public, and state, be relegated to private practitioners. Mr. Brockway declared, charging the Federal authorities with bad faith. Despite promises, only a paltry hundred or so out of the thousands of architects in the United States have been enlisted in Federal public works projects, he said.

"It is my personal belief," Mr. Brockway asserted, "that, although smooth words and gestures were spoken and made by Government officials to representatives of the American Institute of Architects prior to the last convention of the Institute in San Antonio last April, there was at heart no sincere intention of bringing about a situation whereby the buildings of the Government would be the work of the profession at large in the nation."

"It would seem that those entrusted with the administration of the Federal building program had deliberately determined upon the expansion and tremendous increase of the personnel of the Supervising Architect's office rather than the utilization of the architect in private practice in any and all localities of the nation where appropriations had been made for building to be constructed."

"The architects propose to challenge the policy of both the National Government and the New York State Government. The underlying principle involved is whether the men who are responsible for the design and execution of the marvelous buildings in the various cities of this nation are to be considered incapable of designing the buildings for their Government, and are to sit quietly by and be told by public officials in bureaus that the Government itself can do the work better, quicker and for less cost than the private practitioner."

"If this claim contained a grain of truth, it would be an indictment of the profession which the profession could not afford to ignore. The simple answer is a comparison of the figures showing the extent of public and private work done in the United States in any given year."

Mr. Brockway cited statistics covering thirty-seven states to show that \$2,108,804,900 in construction contracts out of a total of \$4,523,114,600 in 1930 were planned by architects.

"If the Government attitude were correct," he continued, "every corporation of any size would be doing its own architectural work rather than employing the private practitioner. This is doubly true because of the fact that a private corporation must make a

profit to exist whereas this is not true in the case of the Government."

Mr. Brockway said that the architects plan to appoint a committee which will call upon Governor Roosevelt to revise the state's policy respecting public architecture. A complete statement of the facts governing costs will be demanded, according to Mr. Brockway, saying that the American Institute of Architects would press the attack upon bureaucratic methods not only in the Federal Government but in the Governments of states.

"The result of a recent conference with President Hoover, at which a memorandum was submitted by members of the Institute, the American Engineering Council, the Associated General Contractors and the Producers Council, would seem to indicate that the mind of the President is clear and sound upon this point, and that the President is in accord with his predecessors, Presidents Roosevelt and Coolidge. I cannot but believe that Governor Roosevelt also will see the unwisdom of the present procedure."

"In seeking to accomplish our aim, that the planning and designing of governmental buildings be done by members of the architectural profession, citizens of our State and of the United States, we shall show the virtues and values of such a system rather than rely upon adverse criticism of methods now followed."

"When we consider the physical aspect of our cities, and realize that they are the result of the creative efforts of the architect, it would seem as though no further argument were necessary to justify the utilization of this profession in the creation of the buildings of the Government, which should represent American ideals, social, economic, and political."

"One of the first steps in the campaign of the architects against 'bureaucratic rule,' Mr. Brockway said, 'would be to refute misleading statements by Federal and State officials regarding the capacity of private architects for public architecture, and to put the public in possession of the facts obtained through a questionnaire sent out by the Institute.'

"Neither the Federal Government nor the State of New York nor, for that matter, any Government, can afford to make statements which are a reflection upon a great and honored profession," he concluded.

Other speakers included Robert D. Kohn of New York City, president of the Institute, and Stephen F. Voorhees, president of the New York Chapter of the Institute. Delegates from the New York, Brooklyn, Buffalo, Central New York, and Albany Chapters took part in the conference.

In the city of Chicago it is reported that there are thousands of children of school age who are not able to get a seat in any school, and in consequence lose considerable early training on account of lack of accommodations. The local Board of Education proposes to have the Legislature authorize a bond issue of fifty million dollars, not only for the purpose of providing school room for children, but to start immediately building new schools in order to give employment to the thousands of idle building trades mechanics and laborers in the city of Chicago.

HERE—THERE EVERYWHERE

Christian G. Norman, Chairman of the Building Trades Employers Association of New York, states that a steady improvement will mark the next six months period of construction, both nationally and locally, with the advent of improved general business.

Los Angeles building program for 1931 expected to reach 50 millions as compared with 75 millions last year.

Annual meeting of the National Association of Building Owners and Managers will be held in Seattle, July 13-17. Headquarters will be at the Olympic Hotel.

Because the dates of September 21 to 26 were found to conflict with the time set by the League of California Municipalities for its annual convention, the executives committee of the Pacific Coast Building Officials' Conference, has set October 5 to 10, as the date for its annual convention in Berkeley. The new dates follow those set for the convention of the Southwestern Section, International Association of Electrical Inspectors, which will take place Sept. 28, 29 and 30 in San Francisco.

Directors of the American Oil Burner Association will hold their next quarterly meeting in Toronto on July 14, according to an announcement by Walter F. Tant, of Detroit, president. Trade practices and association affairs will take up most of the discussion. The city for the ninth annual oil burner show and convention of the association to be held next April will be selected at the Toronto meeting.

Charges of unfair trade practices by manufacturers of range boilers in their distribution of their product on the Pacific Coast have been dismissed by the Federal Trade Commission after a hearing at Washington, D. C.

Over 1800 members comprise the roster of the National Association of Building Trades Employers, embracing New York, Boston, Chicago, Cleveland and Pittsburgh.

Governor Philip F. La Follette of Wisconsin, has signed the Ray Bill, increasing the percentage of indemnity under the Wisconsin Workmen's Compensation Act for total disability from 65 to 70 per cent of the employee's salary.

Consideration is being given by World's Fair officials at Chicago to the erection of the tallest tower in the world. It would rise 1600 feet in height forming a part of the assembly hall to be built south of Soldier Field on the World's Fair Site.

Alphonse De Katz, formerly of Medford, Ore., and A. J. Mazurette, formerly of Eureka, Calif., are seeking a site at Alturas, Calif., on which to establish a cash and door factory to employ from 200 to 400 hands.

Hardly more than a score of toll roads will exist in the United States, all of them being privately owned. The total length is estimated at less than 150 miles, according to the Bureau of Public Roads, U. S. Department of Agriculture. Thirty-five states have no toll roads of any kind.

"BUILD NOW" CAMPAIGN OPENED BY LUMBERMEN'S ASSOCIATION

A campaign to identify 1931 as a home builder's bargain year began this week with the distribution of "ready-to-use" newspaper and direct mail advertising material to aggressive lumber dealers in all parts of the country. The campaign was planned and inaugurated by the dealers service department of the National Lumber Manufacturers Association as a part of its trade extension work and for the purpose of encouraging the starting at this time of a greater quantity of dwelling construction.

The idea behind the campaign is that the public should be made aware of the unparalleled building material and construction labor bargain prices that are today available. "1931 Is The Home Builders' Bargain Year" is the slogan for the campaign.

It is a fact that despite continuance of high freight rates building materials prices in many cases have dropped to below pre-war levels—have reached a point where it is practically impossible for them to go in any direction but upward—and where it is unbelievable that prospective builders will longer stay out of the market if they are aware of their opportunities. While there has been much "doubling-up" due to failure of earning power, and while some communities still appear to be overbuilt, it is believed that there is generally a real residence shortage. Those families now doubling-up, through temporary lack of funds, are in need of many more houses than are available and they are anxious to possess and occupy separate homes as soon as their earning power is revived and assured. Buying or building a home at present prices is the best possible investment of new earnings.

Ten different approaches to the possible home builder's dollar have been prepared in the form of newspaper advertising mats. These are being furnished local dealers at their cost of production, relieving them of the expensive overhead necessary in the preparation of individual high class

"copy." These "mats" emphasize the fact that you can build 20% cheaper this year than in 1929; that the building dollar goes farther; that the best of skilled labor is available in quantities; that we are down to pre-war prices and that only once or twice in a lifetime do such bargain opportunities as these occur. A "mat" is also supplied for the local paper's editorial pages giving the economic facts of the present building situation and a prepared "building page" story in the form of an interview with the local lumber dealer.

Supplementing this publicity material is an attractive three-color direct-mail advertising folder quoting nationally known economists and government actuaries to show the advantageous opportunity for building now at a saving. It quotes from dealers books to show that different building materials are at new low levels comparing with levels of different specified years, most of them more than a decade ago. It pictures one house which the contractor quoted on and built in 1929 for \$5,000 and again in 1931 for \$4,000. In addition to the foregoing material there are also being furnished little diamond shaped "stickers" suitable for tabbing onto business correspondence, which read "Home Builders-1931-Bargain Year." A secondary campaign in the form of packets of novelty matches advertising the 1931 bargain year is now being prepared.

The "Home Builders Bargain Year" idea has caught on with retail lumbermen. The first returns from the initial circular announcement that the "mats" were available brought orders for this advertising material from dealers in thirty-seven communities and this rate is being continued, so that it seems certain the campaign will assume national proportions before many days have passed. Dealers who missed the first announcement may obtain all information concerning the campaign from the Washington office of the National Lumber Manufacturers' Association.

proper supervision and gradation of aggregates.

6. Satisfactory concrete can be secured by truck mixers provided proper supervision and gradation of aggregates is exercised.

7. The use of central mixing plants, the transportation of mixed concrete and the use of truck mixers may be permitted provided there is no segregation of material when the concrete is deposited on the subgrade.

8. The concrete may be hauled not to exceed one hour, (it seems probable that there is no real necessity for placing a limit on the time between mixing and placing) except by special permission of the engineer, and must reach the subgrade in such plastic and workable condition that the slump, on the job, is within the limits specified.

9. Any concrete which is not plastic and workable when it reaches the subgrade should be rejected.

10. It may be pointed out that there is generally a change of slump with the elapse of time after mixing. This should be taken into consideration in arriving at a suitable W/C ratio applicable to each job. In the respect complete cooperation is necessary between the engineer and the operator.

11. The methods of transferring the product from the hauling unit and depositing same on the subgrade have been discussed as well as the protection of subgrades requiring such protection.

12. Where no mesh reinforcing is used, it was suggested that light steel channels be used for truck runways. These channels should be in sections preferably 5 ft. in length. Where reinforcing mesh is used, portable swivel type conveyors to take care of at least 20 ft. of subgrade could be utilized.

13. The use of bulk cement frequently presents an economic and from an engineering standpoint, thoroughly satisfactory operation. However, the decision in this matter should be reached after an investigation as to the adaptability of the project to be constructed to such a method.

14. Engineers, in permitting the use of ready mixed concrete should, at all times, satisfy themselves that the operator is sufficiently equipped both from the standpoint of personnel and mechanical equipment to produce and deliver the product in sufficient quantity and of a quality which is acceptable.

Stanford Electrical

Engineer Wins Post

Theodore H. Morgan, member of the electrical engineering department of Stanford University since 1922, has been appointed head of the electrical engineering faculty of Worcester Polytechnic Institute at Worcester, Mass., it was announced yesterday. He will leave Palo Alto with Mrs. Morgan August 1, and will assume his new duties at the opening of the fall term. Professor Morgan succeeds Dr. Harold B. Smith, past president of the American Institute of Electrical Engineers, as head of the electrical engineering department at Worcester Polytechnic Institute.

Going to Palo Alto from British Columbia, Professor Morgan graduated from Stanford in 1920 and subsequently took the engineer's degree. He is a member of Sigma Xi, scientific honor fraternity.

Nearly 10,000 acres of peninsula land will be made definitely available for shipside industrial expansion this summer, with completion by the coast and geodetic survey of the bay shoreline southward from San Francisco to Alviso.

PLANT PROBLEMS FOR READY MIXED CONCRETE PLANTS CITED BY ROAD BUILDERS' COMMITTEE

Ready mixed concrete with a production last year of more than seven million cubic yards has come to stay as a method of construction according to a report of the Central and Truck Mixed Concrete Committee, R. Keith Compton, chairman, of the American Road Builders' Association.

The report states that the most practical solution of the plant problems in the development of a swivel type conveyor, which will place the product where it is needed on the grade. The development of such equipment will overcome the present difficulty encountered where mesh reinforcing is used, make possible the reshaping of the subgrade behind the hauling equipment and eliminate the possibility of nonuniform density which may be caused by the concrete being dumped in a pile and pulled into place by hand labor.

The problem of water control is not confined to ready mixed concrete production, but is present in any concreting operation. It seems to be the opinion that there is no advantage in weighing the water.

The use of bulk concrete is an operation which is rapidly gaining favor in the concrete industry. It is an entirely satisfactory and economic

measure if the work to be handled lends itself readily to an operation of this kind, however the use of bulk cement should only be decided upon after a careful investigation of the project to determine whether or not the layout is such that the use of bulk cement would be of advantage.

The conclusions reached by the committee include:

1. Ready mixed concrete, manufactured under proper supervision, is acceptable for all types of concrete construction.

2. The ready mixed concrete plant should be equipped with weighing devices, meeting the specification of the American Road Builders' Association for weighing devices for concrete aggregates, and as used by various state highway departments.

3. For low slump concrete the "non-agitating" type of truck is satisfactory, as hauling equipment under proper supervision and gradation of aggregates.

4. Specially designed water-tight bodies with rounded corners should be required when open type dump bodies are used.

5. The so-called "agitator" type of bodies have proven satisfactory for hauling concrete of any slump under

PREVAILING WAGE LAW ON STATE CONTRACTS APPLIES TO AWARDS AFTER AUG. 14

The Prevailing Wage Law, under Senate Bill No. 26, passed at the recent session of the legislature, will apply on all contracts awarded by the California State Department of Public Works on or after August 14, U. S. Webb, attorney general, rules.

The bill follows:

"An act to provide for the payment of not less than the general prevailing rate of wages on public works, and not less than the general prevailing rate of wages for legal holiday and overtime work on public works, providing for the ascertainment of such general prevailing rate by the public body awarding the contract and its insertion in the contract, and call for bids for the contract, and call for the keeping of records of the wages paid all workers engaged in public work and the inspection of such records by the proper public officials, providing for a forfeiture for each calendar day, or portion thereof, any worker is paid less than the said rate and for a stipulation to this effect in the contract, and providing other penalties for violation of the provisions thereof."

In reply to a communication from the State Department of Public Works Attorney General Webb says:

Section 1 of said act provides that not less than the general prevailing rate of per diem wages for work of a similar character in the locality in which the work is performed, including per diem wages for legal holidays and overtime work, shall be paid on behalf of the State of California and other specified political subdivisions of the state to said laborers employed by the state or said political subdivisions.

Section 2 of the act provides that the public body awarding any contract for public work by the state or said political subdivision shall ascertain the prevailing per diem wages specified in said subdivision 1 and shall specify "in the call for bids for said contract and in the contract itself" said prevailing rate of wage, and it is made mandatory upon the contractor to whom said contract is awarded to pay wages at the rate specified and certain penalties are imposed for violation of the provisions of the act, at least one of which penalties must be inserted in the contract itself.

In your communication you state that it is necessary for the Department of Public Works to make arrangements in advance for proceedings in accordance with the requirements of the above law, which takes effect August 14th, and you present the following questions:

1. "The act takes effect August 14, 1931. Is it necessary to proceed to specify the rate of wages in the advertisements for bids advertised before August 14, 1931, where the bids are to be opened on or after Aug. 14?"

"Or, in other words, does the law apply only to advertisements starting after August 14, even though it would be several weeks thereafter before the bids were opened and the contracts let?"

2. "Will this new law apply to contractors on contracts awarded before August 14, 1931, or does it apply only to contractors to whom contracts have been awarded on or after August 14?"

"Or, in other words, would contractors be liable for continuing to employ aliens on or after August 14, and there is no stipulation in their contracts reciting such a prohibition?"

"Assuming that the new act does apply to contractors entering into contracts awarded prior to August 14, and the contractors are thereby caused

(Continued on page three)
increased cost in performing their contracts, are said contractors entitled legally to an extra allowance in accordance therewith?"

Answering your question in a general way, all contracts awarded on or after August 14, 1931, must comply with the act. It would be impossible in the call for bids where publication was commenced prior to that date to specify the wage rate as the call for bids up to that date would be under the present law, which does not require the wage to be specified; but, again, the fact remains that if the contract were awarded on or after August 14, 1931, it would have to comply with the provisions of the act. The only practical solution of this question would be to so time the publication of your calls for bids that award would be made under the present law or the law as it will read under the amendment taking effect Aug. 14, 1931.

There may be a postponement or hastening of the publication or a slight delay, but it is the only safe procedure in view of the fact that the amended law is enacting a change which will take effect in 15 days.

The law as set forth in the act under consideration does not apply to contracts awarded prior to August 14, 1931, for to give the act such a construction would impair the obligation of a contract which is prohibited by the constitution of this state, section 16 of article 1.

As to your question relative to the employment of aliens, we assume that you refer to section 3 of the act which requires the contractor and sub-contractor to keep an accurate record showing the names and occupations of laborers and mechanics employed by him, among other things, which record shall be open at all reasonable hours to the chief of the division of labor statistics and law enforcement officers of the state department of industrial relations and his deputies. This last section, of course, would not apply to contracts awarded prior to August 14th.

Your last question in which you state that assuming the act applies to contracts awarded prior to August 14, and the legality of paying said contractors extra allowance if they had to comply with said act, does not require answer in view of our conclusion that the new act does not apply to such contracts.

All private commercial employment agencies in Germany were forced to close out their business on December 31, 1930, under the terms of an act passed by the German Reichstag. The whole business of finding men for jobs and jobs for applicants is, therefore, vested in the Federal Employment Bureau, except that approved agencies maintained by organized labor, or by employers in specified trades, are allowed to continue, under the supervision of the bureau.

OFFICE BUILDING VACANCIES HIGH

The May vacancy in office building space is 17.27 per cent in forty-two of the largest cities of the United States and Canada, according to the rental survey made by the National Association of Building Owners and Managers, with headquarters in Chicago. The vacant space totals 30,138,571 square feet out of a total rentable area of 174,829,019 square feet in 1932 office buildings.

"The existing vacancy in office building space is not only a consequence of the depression but a very definite hangover from the period of over-optimism when so many building projects were launched," said Graham Aldis, vice-president of the National Association of Building Owners and Managers. "When the stock market decline started in October, 1929, the vacancy was 11.55 per cent or somewhat above normal. More than 13,500,000 square feet of office space was then under construction. As the new space came onto the market, a large part was absorbed, but not enough to prevent the percentage of vacancy from rising gradually. In the past year and a half, office building vacancy has increased about 6%."

"So far as the office building industry is concerned the worst is over. There is at the present time only 4,328,005 square feet of new space under construction in 34 new office buildings and only 2,520,103 square feet of that space will come on the market before the end of this year. As business conditions improve the space will be absorbed gradually. However, as the vacancy is widespread no return to normal occupancy can be expected for at least three years."

DECLINE IN MAY CEMENT PRODUCTION

The ratio of operations to capacity of American portland cement mills continues to show a decline as indicated by the figures for the 12 months ending May 31, according to statistics released by the Bureau of Mines of the Department of Commerce, the ratio of operations to capacity for the last 12 months was 56.5 per cent. The ratio percentage for the twelve months ending May 31, 1930, was 66.2 per cent and for 12 months ending May 31, 1929, was 70.2 per cent.

During the month 14,066,000 barrels were produced, 14,222,000 barrels were shipped, and stocks on hand at the end of the month were 29,447,000. Production in May, 1931, was 18.3 per cent less and shipments 17.4 per cent less than in May, 1930. Stocks at the mills were 4.7 per cent less than a year ago.

N. W. CONTRACTORS ESTABLISH BID CODE

A Standard Code of Ethical Practice for Competitive Bidding and Letting on Private Building Construction was adopted by the Builders' Division of the Northwest Branch of the Associated General Contractors at their recent annual meeting. This code sets up a standard of principles designed to clarify and codify what is considered good practice in bidding and letting on private construction.

The items covered by the code are: Selection of bidders, deposit for plan, time for estimating, time for receiving bids, use of certified checks or bid bonds, alternate proposals, disclosure of sub-bids or material costs, refiguring work, meeting the low bid, separate contracts, form of contract and

ESSENTIALS OF HIGHWAY LOCATION CITED BY ENGINEER

The essentials of highway location are set forth in the resume of a recent report of the Committee on Highway Location of the American Road Builders' Association, R. G. G. Browning, chairman.

The problems of location cannot be intelligently and economically handled until the character and volume of the anticipated traffic has been approximately determined by traffic surveys and a careful analysis of the probable future importance of the road.

Following the classification of the road, the necessary or desirable width of right of way usually is considered. It is certainly unwise to make expensive improvements in a highway without providing adequate width of right of way, both for present needs and for future improvements.

Visibility—In view of the high speed of highway traffic, adequate visibility is essential. Motor vehicles are being improved, both as to speed and in steering and braking. In the future we may have still higher speeds. Adequate length of vision will greatly diminish traffic hazards.

Grade Crossings—If the funds available are sufficient for all grade separations, such improvements should be made. The loss in time due to delay on a busy highway at a grade crossing soon reaches an astounding figure; danger to the traveling public is always present. Loss of life cannot be expressed in dollars and cents, but the experience of many highway authorities indicates that only prohibitive costs should influence the retention of grade crossings where a separation is at all practical or economical.

Bridges and Culverts—In the design of bridges, the best possible alignment and grades for the highway approaching the structure are essential. Many instances could be cited where this feature of the locating is faulty. Sometimes an existing structure cannot be abandoned and the new highway, regardless of the dangerous curvature and poor visibility, must use the structure. In such cases, a location which will provide a safe and open approach, even at considerable cost, must be made. Small bridges or culverts should be made sufficiently broad for the full width of the highway.

Spy Roads—In approaching a town or village, the question frequently arises as to whether it is advisable to locate through or to deflect the road around. Here, again, the classification of the highway should be kept in mind. If it is expected to carry a large volume of fast traffic and the village street is narrow crooked, or congested, it is obvious that the main highway should be deflected so as to miss the village. Many times this method can be followed without serious objection from the local people, if the road through the village is also put in good condition. For instance, the main line might require paving with concrete, while the extension through the village could be of a cheaper type, although suitable for the local traffic.

Distribution of Costs—In relocating a highway considerable cost is sometimes involved and it is necessary to justify the expenditure to support the plan for abandoning the old road. It can generally be shown by analysis that since the proposed location will handle adequately the anticipated traffic over a period of years, the cost of the improvement should be distributed through the life of the road. Such charges would seem to offset higher operating charges, loss of time, and additional mileage on the old road.

Allowable Gradient—The allowable maximum grade on highways of various classes has been under consideration for many years, and it is believed that a rate of 7% might well be justified as a reasonable ruling grade for first-class roads. Experience has demonstrated, however, that stretches of 8 or 9% for distances not exceeding 1,500 feet do not seriously handicap the modern automobile or truck either in ascending or descending. The higher rates should not be used without suitable visibility and freedom from dangerous curves.

Highway Curves—In the designing of curves for the different classes of highways the speed and character of the expected traffic should be kept in mind and the curvature used should be the least justified by the cost of construction and the topography of the country. The hazards due to curvature arise from two main elements: (1) the change in direction in passing from the tangent to the curve and the strain that is put upon the driver and the steering mechanism of the car as a result; and (2) the tendency of the vehicle to skid on the surface of the pavement.

The first condition can be improved by lessening the central angle between the tangents as much as possible and by using the flattest curve that the topography and allowable cost will permit.

The second condition can be made less dangerous by super-elevating and spiralling the curve and using some type of non-skid pavement. The degree of curve does not indicate fully the extent of the hazard to traffic. Length of the curve, of course, dependent upon the size of the angle between the adjacent tangents, makes a great deal of difference.

With a small central angle a very sharp curve may not be particularly dangerous, since the visibility may be good on account of its length, and, where the roadway is sufficiently wide, the driver can cut across the curve and travel on a path of much longer radius than the actual center line of the pavement. Where the curve is long and under heavy traffic, he is obliged to keep on his side of the road, and the car constantly tends to turn tangent to the curve unless this force is lessened by proper super-elevation and careful driving.

Where the highway is crowded with high speed traffic, curves of over 3 or 4 degrees and more than 600 or 800 feet in length are objectionable, and every effort should be made to use as little curvature as may be consistent with the other features of the location. In other words, the central angles involved in the location of a road expected to carry a large volume of high-speed traffic should, if possible, be kept well below 45 degrees.

Recommendations

The committee stresses the importance of careful study by competent engineers of all highway locations:

- (1) To promote safety of the traveling public;
- (2) To ascertain the most economical route to build and maintain;
- (3) To secure permanence for the road in order that future improvements, such as widening, beautification, and real estate development, may be intelligently undertaken and carried on;
- (4) To coordinate the location of township, county, city, state, and national highways, thus preventing confusion or duplication of work;

(5) To satisfy the growing demand of the public that highway funds should be spent only upon locations consistent with future traffic needs.

It is further recommended that in all studies the surveys which may be under consideration should be reconciled with the following major requirements:

1. Geographical direction.
2. Cost of constructing roadbed.
3. Cost of drainage structures.
4. Relative cost of maintenance.
5. Cost of securing right of way.
6. Service to through traffic.
7. Connections to intermediate towns.
8. Elimination of railroad crossings.
9. Use of existing road.
10. Local sentiment.
11. General appearance.

ARCHITECTS WILL AID PREQUALIFICATION

Support of the movement for prequalification of bidders on public construction work was pledged by the American Institute of Architects at its annual convention held in San Antonio. The following resolution was adopted by the architects' organization:

"Whereas, The employment of incompetent contractors is determined to the success of any building project and, therefore, detrimental to the interests of the owner, and

"Whereas, It is the policy of architects to protect the interests of their clients by taking bids only from contractors whose competency is known, and

"Whereas, This principle has been successfully applied on public work in many localities by requiring prospective bidders to establish their qualifications before permitting them to submit bids on proposed work;

"Therefore, Be It Resolved, That the American Institute of Architects favors the principle of prequalifying bidders on public work by determining their technical as well as their financial responsibility to undertake such work before permitting them to submit bids thereon."

MARYLAND TESTING 14 TYPES OF ROAD

Fourteen different types of resurfacing for highways are being tested on an experimental road built by the State Roads Commission of Maryland. This test road is 4½ miles in length and consists of concrete pavement 16 ft. wide, 5 in. thick with 7-in. edges, laid in 1915 and 1917 on the old Annapolis road.

The different types of surfacing which are being tested range from 1½ in. to 4 in. in thickness, the last mentioned being a 4-in. concrete resurfacing recommended by the Portland Cement Association.

The only other surface over 2 in. is an asphalt penetration macadam 3 in. thick recommended by the Barber Asphalt Company. The surfacing was completed and opened to traffic July 6, 1930. Periodical inspections, including roughometer tests, are made to determine the relative value of the materials and cost of maintenance. It will probably require from three to five years to establish definite conclusions.

Harry D. Willard, Jr., is chief engineer of the roads commission.

"Construction That Endures" is the title of a one-reel motion picture film dealing with the numerous important uses of concrete which may be borrowed from the Pittsburgh experiment station of the U. S. Bureau of Mines, Pittsburgh, Pa.

IMPORTANCE OF ARCHITECTURE NOT SUFFICIENTLY RECOGNIZED BY PROSPECTIVE HOME BUYER

It is not a lack of desire for homes that keep many people in the renting class, but a fear of the many and often complex problems involved in home buying and building; and residence construction will receive a tremendous impetus when the various agencies in this field are better coordinated from the point of view of the public, said Louis Brandt of Pittsburgh, Pa., speaking before the Home Builders and Subdividers Division of the National Association of Real Estate Boards at its annual convention in Baltimore.

Mr. Brandt told his audience that the various factors involved in developing a home area needed some reorganization, especially in the matter of home financing, if the home idea is to spread.

He described a complete home financing plan originated by him, and used with success in Pittsburgh, under which the home purchaser, after he has made a down payment, combines all of his other payments in a fixed monthly amount which he deposits with his local bank. These monthly payments include the interest on the first mortgage, the interest and principal on secondary financing, fire insurance, taxes, and a sinking fund for emergencies. Under this plan the home buyer, in theory, establishes his monthly charges and then seeks for a house that will fit them, which permits him to enter into the transaction with an easy mind.

Inasmuch as the nation has been educated to make monthly payments for rent, household appliances, automobiles, furniture, etc., Mr. Brandt says his plan is designed to fit the home buying methods of the past to the present national buying habits.

Speaking on the subject "Modern Practices and Improved Standard of Construction as an Aid to Home Financing," Mr. Brandt declared that more care must be used in the future in the locating of subdivisions from the point of view of whether the land can be purchased at a price which will bring about its best economic use for the community in which it is located. In other words, certain tracts of land cannot maintain homes that will justify the price paid for the raw acreage.

The importance of architecture has not been sufficiently recognized by the buyer or prospective home owner, especially in low cost homes, said the speaker. But he pointed out that the public demand for individuality has made it difficult to gear machinery for mass production. He said the problem may be overcome in the future by the design of houses which can be built of standard materials and which will rely for their individuality upon the application of these materials.

Discussing the importance of good architecture from a sales standpoint, Mr. Brandt said that the living room is the third room examined by a woman looking for a home. She looks at the kitchen first, the bathroom next, and the living room last. If these rooms please her, the other rooms, if sufficient in number, usually are accepted.

Declaring that the development in building materials and equipment during recent years has made it possible to build better houses today than formerly, the speaker pointed out that even further construction efficiency could be developed to reduce home building costs. On this point he said:

"Plans that are not thorough and specifications that are too indefinite cause many of the changes that are made during the construction of a home. There is probably no business which receives so much criticism and fault-finding as the home building business, and most of this can be traced to a lack of understanding of just what the plans, specifications and contracts call for."

"The next important factor is that of estimating building costs. This cannot be done thoroughly under the general practice of estimating by cubic yard, square yard, square foot and what not. Due to the numerous items and kinds of material required, this work should be gone into in much detail; for this purpose a printed listing of all the various materials and classes of work should be used. This practice, which protects bidders against omission and errors, has been used to reduce building costs, because to know costs is to lower them."

The general practice of appraising the value after the home is completed for mortgage loan purposes, results only in guess work and fails to establish real values. The only safe method is to appraise the value of the building site as to the economic use of and in relation to the completed home, as to the restrictions on its use and improvements, and with the thought in mind of guarding against future assessments for municipal or utility improvements."

Discussing the development of raw land from the point of view of the sales cost of homes placed upon it, the speaker declared that he had found that homes costing \$7500 and under can maintain 15% of their value in land; and homes costing from \$7500 to \$15,000 can maintain 20% in land value. Values for higher priced homes are more or less indeterminate because purchasers are not so governed by price restrictions for preferred localities, etc.

Discussing his financing plan which is based on the deposit of all funds in a local bank which acts for all interests and is thus able to assist home owning in the community, Mr. Brandt said such a plan brings business to the bank, and has advantages that are better than the Christmas Club accounts, savings accounts, and domestic accounts.

LUMBER PRODUCERS CITED BY COMMISSION

Thirty-nine western lumber producers, most of them on the Pacific Coast, were ordered by the Federal Trade Commission to stop using the phrase, "white pine," in advertising or selling yellow pine lumber of the species "pinus ponderosa."

The commission said ponderosa lumber was given such names as California white pine, New Mexico white pine and Arizona white pine. These terms were applied in the west as far back as 1880, the commission reported, "but as ponderosa lumber gradually spread eastward it came into competition more and more with true white pine in markets long occupied by true white pine."

The commission said the result was to "classify and associate ponderosa in the market with the true white pine," with a resultant "substantial monetary sales advantage" to ponderosa producers.

BELGIAN CEMENT IMPORTS DECREASE

Imports of cement from Belgium to the United States have been reduced 40 per cent by the duty imposed under the tariff bill of 1930, witnesses told the tariff commission at a hearing in Washington, D. C.

The commission is inquiring into differences in production costs in domestic and foreign mills, in response to a resolution adopted by the U. S. Senate. A duty fixed by the 1930 tariff bill is 6 cents per 100 lbs.

A rather gloomy situation for the cement importing business was pictured by a number of witnesses representing Belgian manufacturers. Some of the asserted handicaps of the trade are, that foreign cement must be imported in large quantities, that six to seven weeks must be allowed for receiving orders, necessitating the carrying of excessive stocks, and that cement sacks, if salvaged, must be shipped back to Belgium.

However, it was brought out that Belgian cement, although at a disadvantage in the domestic market, could compete with the U. S. product in South America, despite higher freight costs from Antwerp.

E. B. Hinman, president of the Plasterers' and Cement Finishers' Local, succeeds Fred C. Huss, as business manager and secretary of the Fresno Building Trades Council. S. L. Cowan of the Millmen's Local was elected president, succeeding J. H. Furen. The recent addition of the millmen local to membership in the trades council is expected to result in the return of the carpenters' union, which withdrew from the organization last year following a disagreement with Huss over policies relating to closed and open shop work.

"Having absorbed what Europe had to give, America, since the war, has gone ahead with new ideas and methods of production, consumption, and distribution which have revolutionized American life and have gone far toward introducing a similar change into the life of other countries," says Leo Pasvolsky in "The World Depends on America," writing in Nation's Business.

"America's influence has been extensive in changing the world's ways of living. Personal contacts, between foreigners visiting this country, and Americans touring other countries, American movies, products exported, all have brought the world to envy and to ape our standard of living."

"In Germany, adoption of American ideas of production and distribution has been greatest. Germany's really serious efforts in this direction date back to the end of 1924. Since then her technical progress has been tremendous."

"Italy also has been making determined efforts to modernize her industries. Belgium, Czechoslovakia, Austria, Poland, Sweden have been doing the same thing. Russia has taken for her motto: 'Strive for the American level of production.' Elsewhere the same processes have been carried on."

"The world has followed America's leadership in making mechanical power a servant of man on a truly unprecedented scale. No wonder that today, when a period of difficulties has temporarily halted the triumphant march of this economic advancement, the world looks to America to show the way of surmounting these difficulties and of resuming once more the forward economic movement."

ALL LIENS WILL TAKE PRIORITY OVER TRUST DEEDS ON OWNER-BUILT JOBS

(By Glen Behrman, Attorney, Building Material Dealers' Credit Association of Los Angeles, in Southwest Builder and Contractor)

Assembly Bill 992, passed by the 1931 California Legislature and signed by the governor, amends Section 1186 of the Code of Civil Procedure, which has to do with the priorities of mechanics' liens over trust deeds, and reads as follows:

"The liens provided for in this chapter are preferred to any lien, mortgage, deed of trust, or other encumbrance, upon the premises and improvements to which the liens provided for in this chapter attach, which may have attached subsequent to the time when the building, improvement, structure, or work of improvement in connection with which the lien claimant has done his work or furnished his material, was commenced; also to any lien, mortgage, deed of trust, or other encumbrance of which the lien holder had no notice, and which was unrecorded at the time the building, improvement, structure or work of improvement in connection with which the lien claimant has done his work or furnished his material was commenced."

This amendment is of importance and is the only real accomplishment in behalf of laborers, subcontractors and materialmen in the 1931 session of the Legislature. It makes the rule of priority the same on owner-built jobs as on contractor-built jobs. In the case of *Simons Brick Co. vs. Hetzel*, 72 Cal. App. page 1, the District Court of Appeals laid down the rule that where there was a valid building contract between the owner and contractor "all liens for labor done or materials furnished for the building primarily rests upon such valid building contract, and derive their validity therefrom, and there is no contract, either express or implied, between the owner and the subcontractors, or others performing work or furnishing materials for the building; and the liens of such persons, originating under and depending for their validity upon the original contract, date back to the time of the commencement of work upon the building."

In the case of *Powers vs. Soule-Martin Lumber Co.*, decided in 1930, and contained in 79 Cal. App. Decisions at page 521, the Appellate court held that the rule above referred to did not apply to owner-built jobs and that on owner-built jobs only those lien claimants who commenced their work or furnished their materials before a given trust deed or

mortgage was recorded, were ahead of that trust deed or mortgage and all lien claimants who furnished labor or material subsequent to the recording of such mortgage or trust deed were behind the same.

Under this last mentioned decision, if work happened to commence on an owner-built job before the building loan is recorded, then all that would have to be done to insure the priority of that building loan over the lien claimants generally was to see to it that those who started their work or furnished the material before the recording of the encumbrance, were paid, and those who started the work afterwards, which in the ordinary instance would embrace the great bulk of the materialmen and subcontractors, would be behind the trust deed and wiped out by its foreclosure.

Under the new law, which becomes effective August 14 next, should a building commence under an owner-built method of construction, before the trust deed or mortgage is recorded, then the party making the building loan would undoubtedly insist upon a bond insuring to the benefit of laborers and materialmen. The passage of the law, therefore, will reasonably insure the payment of labor and material accounts on all owner-built jobs, as well as contractor-built jobs, in instances where any part of the work has been done before the building loan is recorded. While the commencement of construction prior to the recording of the building loan is not of frequent occurrence, our experience has shown that a certain small percentage of jobs in which this occurs actually exists.

Another bill which passed the Legislature in Assembly Bill 1191, which amends Section 1184 of the Code of Civil Procedure, having to do with stop notices. The bill, as adopted, makes no change in the substantive law, and merely provides that on certain public jobs notices are to be filed in a certain designated office, to-wit:

"In the case of any contract of the state by or through the department of public works, such notice must be filed with the director of public works and not with the state controller."

A cognate bill, amending the Act of May 22, 1925, likewise passed. The same change in phraseology is made in that measure, and is of no great public importance, being intended only to clarify the office in which certain stop notices on certain classes of public work jobs are to be filed.

in the year and practically all the cities studied showed a large percentage of idleness not only from December to March, but in other months as well." The importance of this situation which seems to obtain regardless of the condition of other industries, may be gathered when the extent of employment in the building business and industries directly allied with it, or dependent upon it, is understood. Nearly four million males are gainfully employed in the building industry or allied industries, and their aggregate wage amounts to considerably over four billion annually. It requires no further exposition to show how important to general prosperity the employment of these highly paid operatives is from a national point of view, for the reason, as stated by Mr. Hoover repeatedly, that the construction business is the balance wheel of American industry.

A news article of May 27th, 1931, showed that the combined earnings of salaries and wages of Ten Million One Hundred Eighty-five Thousand Two Hundred ninety-six persons, engaged in 207,710 manufacturing establishments in 1929 totalled \$15,229,161,429, of which 1,377,760 salaried officers and employees totalled \$3,579,624,574, compared with payments to 8,807,536 wage earners of \$11,649,536,855. The relative earning capacity of workers in the building industry and that of labor in other manufacturing concerns will appear from the figures just cited.

There are numerous causes of seasonal idleness in our business, but they all reach back to the public which in the final analysis pays the bills, including the added costs which the peculiar situation in the construction business creates. For example, the apparently innocent fact that practically all construction work designed for lease is pointed, as far as possible, toward May 1st or October 1st, the two great moving days in our modern life.

There is no logical reason why leasing dates should be restricted to May 1st or October 1st, and yet we all know that half the population in our cities are amove on these days with the consequent high activity of all who serve the people—utilities, warehouses, moving van concerns.

The fact is there is need for intensive study of conditions in our industry to stabilize activities in so far as it is possible, and extend them over as much of the year as possible. This means that there must be education of the public to exercise forethought in planning construction work so as to start and finish within time limits that will engage labor in proper order with reference to present peaks and slack periods.

LACK OF WORK IN BUILDING INDUSTRY HITS OTHER UNITS

By John W. Harris, Vice-President for American of the International Federation of Building and Public Works

Unemployment in the building industry is not to be considered merely in relation to the present business situation, but in the broader aspects of the problem, for the reason that the causes of lack of work in the building industry run deeper than the purely temporary condition which now is disturbing the balance in all industries. The fact is the unemployment in the building business is a chronic condition, not at all dependent upon the situation in other industries.

The fact is in the United States, as in most other countries, it is custom that is responsible for seasonal idleness and it is seasonal idleness that is at the bottom of all our troubles in respect to employment.

Some years ago Mr. Hoover, when Secretary of Commerce, appointed a committee to consider seasonal operations in the construction industry, and this committee reported that as a rule the building trades "are occupied wholly for only three to five months

Revisions in the wide flange structural steel sections made by the Carnegie Steel Co., the Bethlehem Steel Corp. and the Illinois Steel Co. have resulted in the issue of a new and abridged edition of the well-known "Pocket Companion" of the Carnegie Steel Co., Pittsburgh, Pa. In addition to the CB series, this volume also covers the more commonly rolled sections used in structural design, car and ship building. It supersedes all earlier issues of the Pocket Companion and while abridged in character contains all information ordinarily required by the user of structural shapes. A new size of book and style of type have been adopted, and a convenient marginal index simplifies use.

Fred W. Petersen has been named city plumbing inspector of Woodland, Calif. The appointment was made at the last meeting of the city council.

NEON SIGN FIRMS FORM ASSOCIATION

Formation of a California Neon Sign Association for the purpose of carrying on the task of forming a national co-operative for the mutual business advantages of independent neon sign merchants and sign builders of the Nation was accomplished at a meeting in Fresno, last Saturday.

J. Matson of Los Angeles was elected chairman and H. E. Mathews of Santa Ana secretary. About twenty-five representatives of firms from all over California were present.

A meeting to form a national organization will be held within about thirty days in either San Francisco or Los Angeles.

PINE CANYON DAM CONSTRUCTION OPPOSED

An association known as the San Gabriel Valley Protective Association is preparing to contest the building of the Pine Canyon dam by the City of Pasadena, according to reports from the San Gabriel Valley.

The association takes exception to the report of State Engineer Hyatt approving the site for a gravity type concrete dam 325 ft. high to impound 40,000 acre feet of water. This report was signed by five consulting engineers and geologists, who stated that although the rocks at the dam site are broken by a series of faults, a safe foundation can be obtained by using the proper safeguards.

Preparations are being made by the city of Pasadena to take bids for construction of the dam on the strength of the state engineer's approval. Extensive exploration of the dam site has been made by the city to determine if a proper foundation could be found.

Plans of the opponents of the project have not been announced, but their chief contentions are that the site is not suitable for so large a structure and that the city is not entitled to any water from the San Gabriel river.

GRADE CROSSING ACCIDENTS DECREASE

Grade crossing accidents in California during the first five months of 1931 totaled 967, a decrease of 19.6 per cent below the 1930 figure of 1,202, according to report compiled by Jos. G. Hunter, Transportation Engineer of the State Railroad Commission.

Despite the occurrence of the school bus grade crossing tragedy at Merced in May of this year, when eight lives were lost and 24 children injured, deaths and injuries at grade crossings show a decrease of 3.7 per cent, the figures being 444 for the first five months of 1931 as against 461 during the same period of 1930.

A new peak in grade crossing protection was achieved in California during 1930 according to reports filed with the Commission by the carriers. These show that 337 crossing protective signals of various kinds were installed during 1930 at California grade crossings. In 1929 there were 197 grade crossing protective signals installed. Of the 337 signals placed in operation during 1930, there were 201 wigwags, 16 flash light signals of a type used extensively in the East, 7 rotating disc type similar to those used extensively in the Middle West, and 113 special signals to warn of the approach of a second train to the crossing.

SIMPLIFIED PRACTICE IS GROWING STEADILY

"More than 10,000 different associations, and firms are now listed by the division of simplified practice of the National Bureau of Standards as acceptors to simplified practice recommendations," according to Edwin W. Ely, chief of that division.

"The most remarkable thing about this steady rise in number during the past 10 years," said Mr. Ely, "is the increasing interest in simplified practice as shown by consumers of the commodities simplified. The present demand on the services of the division by the user group almost equals that of the manufacturers and has resulted in a closer co-operative relationship among producers, distributors and consumers."

There are now in effect over 120 simplified practice recommendations, and the total number of acceptances to all recommendations number nearly 30,000.

Savings, due to the application of simplified practice recommendations, according to responsible sources in the various industries effected, total more than 250 million dollars. Individual firms have reported that they are saving thousands of dollars annually.

A nationwide campaign for 10,000 American Legion Posts to conduct surveys on needed public improvements in their various communities, then get behind movements, in co-operation with the proper public officials, to have projects started, is announced by Howard P. Savage, past national commander and chairman of the Legion's National Employment Commission.

Savage has sent an appeal to all department commanders, and through them, to every post, suggesting the necessary steps to be taken to make the campaign a success.

"The first step," he told them, should be an intelligent survey in co-operation with the proper public officials and the newspapers of the community. Only needed improvements should be undertaken. Every argument should be presented and heard. A campaign to obtain the wholehearted backing of the community may be necessary in some instances, because of the taxation that would be involved, but if only necessary public improvements are undertaken, the public should agree to the expense.

"A careful study as to the ways and means of helping correct the present economic and industrial depression, and the unemployment situation throughout our country, has resulted in one outstanding fact, says Savage. "That is, much good can be accomplished if projects for public improvements are started at this time. Public work not only will provide employment for men in the community concerned, but likewise in the factories where the material used is manufactured, in the mines or field, where the raw material originates, and among the transportation companies."

A new type of locomotive burning ordinary furnace oil similar to that used in American homes has been built by the Milwaukee Railroad in its fight to maintain the supremacy of steam. The new unit called the "Locomotor" is 61 feet long and weighs 127,000 pounds. In outward appearance it resembles a steel baggage car but hauls a number of coaches. Engines are located beneath the floor to leave space for baggage. The oil burning engine generates 500 horsepower and the new unit uses steam at 700 pounds pressure which is about three times greater than normal pressure in other locomotives.

Articles of incorporation of the Shaw Bertram Lumber Company of Klamath Falls, Ore., and Sacramento, Calif., have been filed with the Secretary of State, Chas. E. Setzer, Sacramento. Lumber man, is California agent of the corporation, organized with authorized capitalization of \$100,000. Directors are: William J. Bertram, Emma Bertram and Edmund Bertram of Klamath Falls.

Census of Distribution figures show that annual sales through retail stores in the United States amount to approximately \$50,000,000,000, while total retail sales through all channels exceed \$55,000,000,000, the \$5,000,000,000 being accounted for by direct sales of manufacturers and other producers. This figure is nearly two-thirds of the unofficially estimated total annual income of the country from all sources, and five times the value of the average annual farm crop.

United States Building and Loan League will hold its annual convention in Philadelphia, August 10-15. Headquarters will be at the Bellevue-Stratford Hotel.

BUSINESS OPPORTUNITIES

Names and addresses of persons or firms concerned in the following opportunities will be furnished on request to Business Opportunity Department, Daily Pacific Builder, 547 Mission St., San Francisco or Phone GARfield 8744.

21164—Lawn and Deck Chairs. San Francisco. Manufacturer in Vienna, Austria, of especially designed lawn and deck chairs, desires to form connections with San Francisco importers who would be interested in marketing these products in Northern California. Full particulars available, including prices.

21165—Furniture Fittings. Chicago, Illinois. Firm in Vienna, Austria, wants to get in touch with wholesale dealers in furniture fittings (brass or iron hinges, knobs or handles, curtain poles, etc.)

21179—Roofing Paper. Mazatlan, Mexico. Party asks to be put in touch with manufacturers of roofing paper. References available.

21175—Electrical Devices. Sydney, Australia. Party is desirous of contacting manufacturers or agents of electrical or mechanical devices of attractive window display items, which will do better in day light than at night.

Neisser-Jacobson & Co., 8065 W. Third St., Los Angeles, Calif., distributors for fireplace and heater ventilators are interested in contracting parties interested in selling for them in this territory.

Mr. Lawrence J. Brennan, 16 Hooper St., Chelsea, Mass., has facilities for representing local firm.

Matthew E. Trudelle, 1023 Schofield Bldg., Cleveland, Ohio, wishes to secure limited number of non-competing firms to represent.

Mr. C. G. Normell, Heat Applicator Corp., 43 East Ohio St., Chicago, Ill., manufacturers of hot pad wishes to secure distributor for this territory. Herman J. Weinberg, Equipment Sales Co., Inc., 110 Stock Exchange Bldg., Philadelphia, Pa., wishes to secure manufacturers to represent in East.

L. F. Wilson, 2722 Kenwood Ave., Los Angeles, Calif., is interested in getting a San Francisco line for Los Angeles, Southern California, Arizona and New Mexico.

The Egly Register Co., Dayton, Ohio, manufacturers of automatic register wishes to appoint distributor for this territory.

Building News Section

APARTMENTS

Owner Taking Segregated Figures.

APARTMENTS Cost, \$250,000
OAKLAND, Alameda Co., Cal. East
12th St. near Third Avenue.

Nine-story Class A reinforced concrete
apartments and stores (56 2- and
3-room apts.; 1 5-room apt.; vacu-
um steam heating).

Owner—L. J. Newton, 1130 First Ave.,
Oakland.

Plans by Thomas Keenan, 1410 Broad-
way, Oakland.

Sub-Contracts Awarded.

APARTMENTS Cost, \$150,000
SAN FRANCISCO. SE Ellis & Frank-
lin Streets.

Seven-story reinforced concrete, steel
and brick apartments (tar and
gravel roof, electric stoves and re-
frigerators; 53 2- and 3-room apts.).

Owner—Bargene Realty Co., 323 Mo-
nadnock Bldg.

Architect—Charles E. J. Rogers, Phe-
lian Building.

Ornamental iron—Michel and Pfeffer
Iron Works, 1415 Harrison Sts.

Mill Work—Pacific Manufacturing Co.,
Monadnock Bldg.

Concrete—Golden Gate Atlas Materials
Co., 16th and Harrison Sts.

As previously reported, reinforcing
steel awarded to W. C. Hauck & Co.,
230 San Bruno Ave.; structural steel
to McClintic-Marshall Co., 2050 Bry-
ant St.; lumber to Christiansen Lbr.
Co., 5th and Hooper Sts.

Steel Contract Let.

APARTMENTS Cost, \$150,000
SAN FRANCISCO. Walnut and Clay
Streets.

Six-story and basement class C rein-
forced concrete and steel frame
apartments (30 2- 3- and 4-room
apts.).

Owner and Builder—I. Epp, 4745 Geary
Street.

Architect—H. C. Baumann, 251 Kear-
ny Street.

Reinforcing Steel—Concrete Engineer-
ing Co., 1280 Indiana Street, San
Francisco.

As previously reported, structural
steel awarded to Herick Iron Works,
18th and Campbell Streets, Oakland;
grading to L. Devincenzi & Co., 148
Blake St.

Owner Taking Sub-Bids.

APARTMENTS Cost, \$40,000
SAN FRANCISCO. N Cabrillo St. 90
W Thirty-first Ave.

Three-story and basement frame and
stucco apartments (12 4-rm apts.).

Owner and Contractor—Byron Fee-
rick, 891 39th Ave., San Francisco.

Architect—Irvine & Ebbetts, Call Bldg.,
San Francisco.

Steel girders, elevator, tile kitchens,
baths and showers; glass shower doors

Preparing Plans.

APTS. & STORES Cost, \$250,000
LOS ANGELES, Calif. Figueroa and
Santa Barbara Ave.

Thirteen-story class A apartment and
store building.

Owner—Zobelein Company.

Architect—Jules Weyl, 6536 Sunset
Blvd., Los Angeles.

Sub-Contracts Awarded.

APARTMENTS Cost, \$45,000
BURLINGAME, San Mateo Co., Cal.
Three-story and basement frame and

stucco apartments (15 2- and 3-
room apts.).

Owner—Moore Constr. Co., % Realty
Investment Co., Rm. 310, 101 Post
St., San Francisco.

Architect—Edwards & Schary, 605
Market St., San Francisco.

Composition tile roofing, steam heat-
ing system.

Concrete—G. Bragato & Co., 363 N.
Eldorado St., San Mateo.

Mill Work—Harder Planing Mill, 2845
Oakdale Ave., San Francisco.

Steel Sash and Screens—Michel &
Pfeffer Iron Works, Harrison and
Tenth Sts., San Francisco.

As previously reported, lumber
awarded to Loop Lumber Co., Broad-
way and Blanding Sts., Oakland;
plumbing and heating to Gibbs & Son,
1706 Geary St., San Francisco.

Sub-Bids Wanted.

APARTMENTS Cost, \$65,000
BURLINGAME, San Mateo Co., Cal.
El Camino and Bellevue.

Three-story and basement frame and
stucco apartments (18 4- and 5-
room apts; tile and composition
roof; steam heating system; hard-
wood floors; tile baths and kitchen-
ens).

Owner and Builder—Cleveland Smith,
President Hotel, San Francisco.

Architect—Treichel & Goodpastor, 1540
San Pablo Ave., Oakland.

Sub-Bids Wanted.

REMODELING Cost, \$—
SAN FRANCISCO. 145 Laurel Street.
Remodel frame and stucco apartments

Owner—Harry B. Allen, 290 Sea Cliff.
Architect—Not Given.

Contractor—D. L. Blenfield, 666 Mis-
sion Street.

Segregated Bids Being Taken.

APARTMENTS Cost, \$250,000
SAN FRANCISCO. Corner Fillmore
St. and Pacific Ave.

Six-story and basement reinforced con-
crete apartment house (two-story
basement for garages, steam heat,
oil burner, electric refrigeration,
incinerator, etc.; 60 2- and 3-room
apts. All modern equipment and
finishing).

Owner—Marian Realty Co., 110 Sutter
Street.

Architect—H. C. Baumann, 251 Kear-
ny Street.

SKILSAW Portable Electric Hand
Saws (4 models).

SKILSAW Portable Electric Sander

SKILSAW Radial Arm Attach-
ments.

SYNTRON Portable Electric Ham-
mers (4 models, motor-
less).

MALL Flexible Shaft Machines (50
models).

Electric Drills, Grinders, Buffers,
Routers, Lock Mortisers.

PETER H. NELSON

Labor Saving Portable Electric
Tools.

1248 Mission St. Underhill

San Francisco 7662

SALES . SERVICE . RENTALS

Bids are wanted on all portions of
the work.

BONDS

SALINAS, Monterey Co., Cal.—
Election will be held July 17 in the
Spring School District to vote bonds
of \$30,000 to finance erection of a new
school. Trustees of the district are:
Garrett H. Smock, Theo. H. Cosse-
boom and John Tamaglini.

MILLBRAE, San Mateo Co., Cal.—
Millbrae School District votes bonds
of \$9000 to finance erection of a two-
classroom addition to the present
school.

SALINAS, Monterey Co., Cal.—July
17 is date set in Salinas City School
District to vote bonds of \$80,000 to
finance school improvements. J. A.
Anderson and Ray Appleby are mem-
bers of the Board of Trustees of the
District.

CHURCHES

Cut-Stone Contract Awarded.

CHURCH Cost, \$40,000
SAN FRANCISCO. Bush Street near
Divisadero Street.

One-story frame church.
Owner—West Side Christian Church.

Architect—Bertz, Winter and Maury,
210 Post Street.

Contractor—Jacks and Irvine, 74 New
Montgomery Street.

Cut-stone—New Era Work Shop, 6036
Mission Street.

Completing Working Drawings.

REMODELING Cost, \$—
ANTIOCH, Contra Costa Co., Cal. 6th
and G Streets.

Remodel present church.
Owner—The Methodist Church (Rev.
W. P. Grant, pastor), Antioch.

Architect—Not Selected.

Architect Chas. McCall, 1404 Frank-
lin St., Oakland, will act as super-
vising architect.

Plans Being Completed.

CHURCH Cost, \$40,000
CHICO, Butte Co., Cal.
Two-story brick church building.

Owner—Bidwell Memorial Church,
(Rev. R. C. LePorte, Pastor).

Architect—Charles F. Dean, California
State Life Bldg., Sacramento.

Bids to be taken in two or three
weeks. The structure will be erected
on the site of the old Presbyterian
Church which was recently destroyed
by fire. A portion of the old church
building will probably be used in the
erection of the new structure.

FACTORIES AND WARE- HOUSES

Contract Awarded.

STATION BLDG. Cost, \$5598
BOONVILLE, Mendocino Co., Cal.

Highway Maintenance Station, con-
sisting of superintendent's cot-
tage; combination woodshed and
garage; blacksmith shop, septic
tank, yard trellis and clothes line
posts.

Owner—State of California (State
Highway Commission).

Engineer—John H. Skeggs, district
engineer, State Highway Commis-
sion, 211 State Bldg., San Fran-
cisco.

Contractor—Theo. Johanns, 741 14th St., San Francisco.

Contract Awarded.
STATION BLDG. Cost, \$5161
LIVERMORE, Alameda Co., Cal. One mile west of Livermore.

Highway Maintenance Station, consisting of superintendent's cottage; combination woodshed and garage; blacksmith shop, septic tank, and clothes line posts.

Owner—State of California (State Highway Commission).

Engineer—John H. S. Kegg's, district engineer, State Highway Commission, 211 State St., San Francisco.

Contractor—Theo. Johanns, 741 14th St., San Francisco.

Contract Awarded.
WAREHOUSE SUPERSTRUCTURE

OAKLAND, Alameda Co., Cal. Outer Harbor Terminal.

Superstructure for 2-story reinforced concrete warehouse ("C"), 210x280.

Owner—City of Oakland Port Commission (G. B. Hegardt, secretary), 424 Oakland Bank Bldg., Oakland.

Plans by Eng. Dept. of Owner.

Contractor—Schuier & McDonald, 1723 Webster St., Oakland.

As previously reported sprinkler system awarded to J. H. Pinkerton, 927 Howard St., San Francisco, \$732; freight elevators to Spencer Elevator Co., 166 7th St., San Francisco, \$6700; rolling doors to Kennerson Mfg. Co., 361 Brannan St., San Francisco, \$4688.

Sub-bids are all in. Will award sub-contracts shortly.

Electric Wiring Bids Wanted.
WAREHOUSE SUPERSTRUCTURE

OAKLAND, Alameda Co., Cal. Outer Harbor Terminal.

Electric wiring for light and power for 2-story reinforced concrete warehouse ("C") superstructure 210x280-ft.)

Owner—City of Oakland Port Commission (G. B. Hegardt, secretary), 424 Oakland Bank Bldg., Oakland.

Plans by Eng. Dept. of Owner.

Plans To Be Prepared.
PRE-COOLING PLANT Cost, \$100,000

FRESNO, Fresno Co., Cal. G Street north of Sacramento St.

Two-story (ultimate 4-story) 100x150 foot pre-cooling plant.

Owner—N. D. Naman and S. Naman, 3222 E. Tulare St., Fresno, and Henry Krum, 311 Broadway, Fresno.

Architect To Be Selected.

Plumbing, Heating & Electrical Contract Awarded.

ADDITION Cost, \$20,000
SAN FRANCISCO. 383 Brannan St.

Two-story steel frame and brick addition to warehouse.

Owner—San Francisco Warehouse, 625 Third Street.

Engineer—Ellison and Russell, Pacific Building.

Contractor—Barrett & Hilp, 918 Harrison Street.

Plumbing, Heating & Electrical Work

—Frank J. Kilimm, 456 Ellis St.

As previously reported, structural steel awarded to Western Iron W'ks,

141 Beale Street.

Contract Awarded.
ALTERATIONS Cost, \$11,652

SAN FRANCISCO. Mills Field Municipal Airport.

Alterations for Hangar No. 1, providing for pilot's room, ticket office, toilet and washroom facilities and 3 repair shops; construct firehouse between Hangars Nos. 1 and 2 and alter partition walls between Hangars Nos. 2 and 3 and 3 and 4.

Owner—City and County of San Francisco, S. J. Hester, Sect'y, Board of Public Works.

Plans by Bureau of Architecture, 2nd floor, City Hall.

Contractor—Clinton Stephenson Co., Monadnock Bldg.

ALTURAS, Modoc Co., Calif.—Alphonse De Katz and A. J. Mazurette, formerly of Medford, Ore., and Eureka, Calif., respectively, are seeking a site on which to locate a sash and door factory to employ between 200 and 400 men.

Sub-Contracts Awarded.
WAREHOUSE Cont. Price, \$28,719

OAKLAND, Alameda Co., Cal. First and Market Streets.

One-story brick and steel frame warehouse (140x150 feet).

Owner—Howard Terminal Corp., First and Market Sts., Oakland.

Architect—Reed & Corlett, Oakland Bank Bldg., Oakland.

Contractor—S. G. Johnson, 4652 Dolores St., Oakland.

Excavating—Ariss-Knapp Co., 961 41st St., Oakland.

Concrete—J. H. Fitzmaurice, 354 Hobart St., Oakland.

Reinforcing Steel—McGrath Steel Co., 354 Hobart St., Oakland.

Brick—Herschel & Reinecke, 830 East 11th St., Oakland.

Sheet Metal—Central Sheet Metal Works, 2847 Hannah St., Oakland.

Glass—East Bay Glass Co., 621 6th St., Oakland.

Steel doors—J. G. Wilson Corp., 26 O'Farrell St., San Francisco.

Lumber—Sunset Lumber Co., 400 High St., Oakland.

Steel Sash—Detroit Steel Products Co., 63rd and Doyle Sts., Oakland

Building Materials—Calaveras Cement Co., 315 Montgomery St., San Francisco.

Roofing—General Roofing Co., 3985 St., Oakland.

SAN FRANCISCO—Pacific Container Co., 1455 Vermont St., suffered a \$20,000 fire loss June 30.

FLATS

Contractor Taking Sub-Bids.
FLATS Cost, \$10,000

SAN FRANCISCO. Chestnut St. near Baker St.

Two-story frame and stucco flats (2 flats); tile and composition roof, gas and steam heating, refrigeration).

Owner—S. A. West.

Private Plans.

Contractor—J. A. Prout, 515 Magellan Street.

Segregated Bids Being Taken.
FLATS Cost, \$8000

SAN FRANCISCO. S Ripley W Alabama Street.

Two-story and basement frame and stucco flats (2 flats); composition roofing; flues for gas steam heating system).

Owner—T. G. Egger.

Architect—R. R. Irvine, Call Bldg.

Plans Completed.
FLATS & BUNGALOW Cost, \$16,000

SAN FRANCISCO. NE corner Collingwood and 21st St.

Two-story and basement frame and stucco flats (2 6-room flats) and one-story frame and stucco bungalow (7 rooms, composition roof, hardwood floors, tile baths, gas hot air heat).

Owner and Builder—Mr. and Mrs. J. R. Jackson, 441 Jones St.

Architect—R. R. Irvine, Call Bldg.

GARAGES AND SERVICE STATIONS

Sub-Contracts Awarded.
SERVICE STATION Cost, 10,000

GRASS VALLEY, Nevada Co., Cal. Service station and equipment (steel frame construction).

Owner—Standard Oil Co., 225 Bush St., San Francisco.

Plans by Owner.

Contractor—Lindgren & Swinerton, 1726 34th St., Sacramento.

Steel frame erected by owner.

Plumbing—Alpha Hardware Co., Grass Valley.

Electric Work—Rex Moore & Co., Sacramento.

Grading & Fitting—J. R. Reeves, Sacramento.

Contract Awarded for Concrete Wall.
SERVICE STATION Cost \$7500

SAN FRANCISCO. Eighteenth Street and Potrero Avenue.

Service station (steel frame construction).

Owner—General Petroleum Co., 1924 Broadway, Oakland.

Plans by Eng. Dept. of Owner.

Concrete Retaining Wall—Reavey and Spivock, Shell Bldg.

Owner will do fill work. Bids on general contract to be taken in about 30 days.

Plans Complete.
SALES BLDG. Cost, \$250,000

LOS ANGELES, Calif. 3441 Wilshire Boulevard.

Five-story 90-room class A auto sales and service bldg. (radio station).

Owner—E. J. Cord.

Architect—Albert C. Martin, 228 Higgins Bldg.

Contract Awarded.
SERVICE BLDG. Cont. cost, \$36,175

VALLEJO, Solano Co., Cal. NW Sonoma and Main Sts. (130x150-ft.)

Two-story automobile plant and service building (probably brick construction).

Owner—Acme Motor Co. (Vallejo Ford dealers).

Architect—Claude Barton, 522 Grand Ave., Oakland.

Contractor—F. C. Stolte, 3449 Laguna St., Oakland.

GOVERNMENT WORK AND SUPPLIES

Plans Being Figured—Bids Close July 8, 11 A. M.

ELEVATOR Cost, \$—
SAN FRANCISCO. The Presidio.

Install one full automatic push button control, electric passenger elevator in Ward Building G-2 at Letterman General Hospital.

Owner—United States Government.

Plans by Constructing Quartermaster, Fort Mason.

Specifications obtainable from Constructing Quartermaster at Ft. Mason.

Granite Contract Awarded.
POST OFFICE Cont. Price, \$545,200

OAKLAND, Alameda Co., Cal. 12th, 13th, Alice and Jackson Sts.

Superstructure or Class A post office terra cotta exterior).

Owner—United States Government.

Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Contractor—K. E. Parker, 135 South Park, San Francisco.

Granite—Coast Wholesale Stone & Marble Co., Los Angeles.

All other sub-contracts previously announced.

WASHINGTON, D. C.—Chicago Bridge and Iron Works, Philadelphia, Pa., at \$9,669 submitted low bid to Bureau of Yards and Docks, Navy Department, under Spec. No. 6483, for

400,000 lb. steel tank for Naval Operating Base (Pearl Harbor) at San Diego. Next two low bidders are: Consolidated Steel Corp., Los Angeles, \$9,675; Western Pipe and Steel Co., Los Angeles, \$10,048. Complete list of bids received on this project will be published shortly.

PEARL HARBOR, T. H. W. T.
Thurston Co., Inc., Richmond, Virginia, at \$60,000 awarded contract by Bureau of Yards and Docks, Navy Department, to construct submarine escape training tank at Pearl Harbor. Complete list of bids on this project previously reported.

Contract Awarded.
HOSPITAL. Cost, \$405,000
SALT LAKE CITY, Utah.
Four-story reinforced concrete and hollow tile hospital (brick and stone exterior).

Owner—U. S. Government.
Plans by Supervising Architect, Washington, D. C.
Contractor—Orndorff Const. Co., 437 S Hill St., Los Angeles.

The award was based on the Orndorff Company's bids of \$349,000 for the main building, \$18,000 for garage and quarters, \$20,000 for third floor of main building, and \$9,000 for concrete paving, and additions of \$6700 and \$2,900 for linoleum and insect screens, respectively. The work will comprise main building No. 1, garage and attendants' quarters No. 2, roads, walks grading and drainage. The main building will be a four-story structure with a frontage of 270 feet; reinforced concrete and hollow tile construction, brick and stone exterior and slate roof. The electric elevators, Zeolite water softening system, refrigerating and ice-making plant, and radial brick chimney are not included in the general contract.

SACRAMENTO, Cal.—Until July 10, 3 P. M., under Order No. 3501-Sac-107 bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver blasting powder, 8,000 lbs. of which shall be 60% powder, and 12,000 lbs. 40% powder, suitable for blasting in water. Specifications obtainable from above office.

SACRAMENTO, Cal.—Until July 10, 2 P. M., under Order No. 3492-1826, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County:

Twelve brass ells, 1/4-inch.
One temperature regulating valve for shower; fig. C4790, page 461, Crane Cat. or equal.

Twenty-four Globe valves, 1/4-inch, for 225 lbs. working pressure; fig. 70, page 19, Crane Cat. No. 51.

Specifications obtainable from above office.

To Ask Bids Within Thirty Days.
BARRACKS. Cost, \$200,000
MARE ISLAND, Calif. Mare Island Navy Yard.
Barracks building.
Owner—United States Government.
Plans by Bureau of Yards and Docks, Navy Dept., Washington, D. C.

WASHINGTON, D. C.—Until July 7 and July 14, bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish and deliver miscellaneous supplies and equipment to various West Coast Navy Yards and Stations, as follows:

Bids Close July 7
Western yards, brass, bronze and copper; sch. 5954.
Western yards, sheet steel; sch. 5071
Western yards, steel plates; sch. 5961.

Western yards, steel shapes; sch. 5972.

Mare Island, 9000 ft. steel wire rope; San Francisco, \$780 ft. do; sch. 5999.
San Francisco, 60 sections steel plan file cabinets; sch. 5981.

Mare Island, aluminum-alloy, sheets, shapes, rods, rivets and pipe; sch. 5977.

San Francisco, 1 hydraulic testing machine; sch. 5993.

San Francisco, 1600 ft. lighting and power insulated cable; sch. 5984.

Mare Island, hacksaw frames; sch. 5980.

Bids Close July 14

San Diego, 94 gear flotation bags; sch. 5989.

Western yards, solder; sch. 6004.
San Diego, 1 electrically operated kitchen and cake machine; sch. 5992.

Bids Opened.

STABLES. Cost, \$24,000
MONTEREY PRESIDIO, Monterey Co., Calif.

Two frame stables with concrete floors (fire resisting roofs).

Owner—United States Government.
Plans by Constructing Quartermaster, Monterey.

Following bids received:

(a) Machine gun stables; (b) headquarters stables; (c) total for both.

Newman & Haletad, 4th and Eardley, Pacific Grove, (a) \$10,110 (b) \$8,190 (c) \$18,250.

Geo. R. Dean, Monterey, (a) \$10,028 (b) \$8,510 (c) \$18,400.

Herbert Kolwes, San Francisco (a) \$10,577 (b) \$9,758 (c) \$20,336.

Hook and Hook, Monterey (a) \$11,176 (b) \$9,496 (c) \$20,500.

Albert Staton, Oakland (a) \$11,320 (b) \$9,400 (c) \$20,720.

M. J. Murphy, Carmel (a) \$11,424 (b) \$9,348 (c) \$20,772.

John E. Branagh, Oakland (a) \$11,714 (b) \$9,498 (c) \$21,212.

R. Chivers, Pacific Grove (a) \$11,900 (b) \$10,400 (c) \$22,300.

H. K. Henderson, Oakland (a) \$15,250 (b) \$11,691 (c) \$24,382.

Bids held under advisement.

July 1, 1931

Contract Awarded.

REPAIRS. Cont. price, \$6,666
SAN FRANCISCO, U. S. Customhouse Exterior and interior repairs and painting for U. S. Customhouse.

Owner—United States Government.

Plans by Wm. Arthur Newman, 402 Post Office Bldg.

Contractor—D. E. Burgess, 282 7th St.

SEATTLE, Wash.—Following is a partial list of prospective bidders on Federal Building to be erected at Seattle, bids for which will be opened July 21 by the Supervising Architect, Treasury Department, Washington, D. C.:

Theirault Contracting Co., 534 East Johnson St., Philadelphia.

Sound Construction & Engineering Co., Seattle, Wash.

Libby & Libby Co., 244 2nd Ave. S., Minneapolis, Minn.

March Bros. Const. Co., Railway Exchange Bldg., St. Louis.

W. R. McNeal, Inc., 202 Kulen Bldg. Seattle, Wash.

N. P. Severin & Co., 222 W Adams St., Chicago.

Schuler & McDonald, Inc., 207 Maritime Bldg., Seattle, Wash.

Chrisman & Snyder, 906 Smith Tower, Seattle, Wash.

Pitton & Livergreen, 503 Coleman Bldg., Seattle, Wash.

Schuler and McDonald, Inc., 1723 Webster St., Oakland, Calif.

Devault-Dietrick, Inc., Massillon Rd. Canton, Ohio.

PALO ALTO, Santa Clara Co., Cal.—Winkinson & Co., Gilroy, at \$2153 awarded contract by supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, for drilling, developing and test deep well at the Veterans' Hospital Pumping Site No. 4 at Palo Alto.

SAN FRANCISCO.—Healy-Tibbitts Const. Co., 64 Pine St., submitted low bid at \$1961 for repairing East Garrison Wharf at Fort McDowell, it was reported by the Constructing Quartermaster's Office, Fort Mason. Complete list of bids follows:

Clinton Stephenson Const. Co.	\$2058
Ben C. Gerwick, S. F.	2171
M. B. McGowan, S. F.	2183
A. W. Kitchen Co., S. F.	2286

SAN LUIS OBISPO, Cal.—Low bidders on the various divisions of construction at the National Guard Training Camp, San Luis Obispo, were reported by U. S. Property and Disbursing Officer for California, Sacramento, as follows:

C. O. Maino, San Luis Obispo, warehouse, \$2130; headquarters building, \$1687; ammunition magazines, \$1184.

Johnson & Hansen, Santa Barbara, reservoir, \$2338; storehouse, \$1072

Oliver S. Amille, San Francisco, latrines, \$2710; corrals, feed racks, \$2129.

N. I. Sadel, Los Angeles, piping, \$3925.

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Continuous Operation Since 1887

SACRAMENTO, Cal.—Until July 7, 3 P. M., under Order No. 3469-1826, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County, 5000 lbs. best grade blacksmith coal.

SACRAMENTO, Cal.—Until July 6, 3 P. M., under Circular Proposal No. 31-365, Specifications No. 3459-1825, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver miscellaneous castings. Further information obtainable from above.

SACRAMENTO, Cal.—Until July 6, 3 P. M., under Order No. 3469-1826, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County, one dragline bucket to be similar and equal in all respects to "Page-Class C" bucket. It shall have a rated capacity of 1 cubic yard. It shall be equipped with hoisting and pulling chains and at least 1 drag teeth on bottom flange of bucket. The chains shall be hand made dredge chain with cast manganese end links. Sheaves and cable fittings shall be furnished with the bucket, but the cables will be assembled and supplied by the United States. Delivery within 30 calendar days after receipt of order by the contractor and no bid contemplating delivery in excess of 50 days will be considered.

SACRAMENTO, Cal.—Until July 7, 3 P. M., under Order No. 3480-1826, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County:

100 ft. Wire Rope, Seales construction, uncoated, plow steel, extra flexible, 7/8-inch dia., hemp center, eight strands, 19 wires to the strand. Standard regular lay. This rope shall be in one piece 100 feet long.

1,000 ft. Wire Rope, uncoated, regular lay, modified Seales construction, 3/4-in. dia., high grade plow steel, hemp center, 6 strands, 19 wires to the strand. Type (M) U. S. A. Master Spec. No. 297, dated May, 1925. This rope shall be in one piece, on an individual reel.

135 ft. Wire Rope, Seales construction, uncoated, plow steel, extra flexible, 7/8-in. dia., hemp center, eight strands, 19 wires to the strand. Standard regular lay. This rope shall be in one piece 135 feet long.

CHILKOOT BARRACKS, Alaska.—Worthington Co., 343 Howard St., San Francisco, at \$42,228 awarded contract under Circular No. 6616-31-49, by Constructing Quartermaster, Fort Mason, to furnish and install three 75 hp. Diesel engines, direct connected to A. C. generators, 3-phase, 2300-volt, 60-cycle automatic generator, voltage regulator, complete switchboard, accessories, spare parts, etc., and for furnishing and installing two oil storage tanks all at Chilkoot Barracks, Alaska.

MONTEREY, Monterey Co., Cal.—U. S. Engineer Office, Customhouse, San Francisco, is completing plans for a breakwater at Monterey to extend out into the ocean for a distance of 1900 feet; estimated cost \$610,000 of which \$200,000 is now available. It is expected that a call for bids will be issued shortly.

June 30, 1931

SAN FRANCISCO.—Healy-Tibbitts Const. Co., 64 Pine Street, at \$1,981 awarded contract by Constructing Quartermaster, Fort Mason, for repairing East Garrison Wharf at Fort McDowell.

Plans Being Figured—Bids Close July

30, 2:30 P. M.

VENTILATING Cost, \$—

PALO ALTO, Santa Clara Co., Cal.

Revising ventilating systems in Bldg.

Nos. 114, 264 and 219 at the U. S.

Veterans' Hospital.

Owner—U. S. Government.

Plans by Supervising Superintendent

of Construction, U. S. Veterans'

Hospital, Palo Alto.

Plans obtainable from the Supervising Superintendent of Construction

at Palo Alto.

PORT LEWIS, Wash.—H. C. Moss, Mehlhorn Bldg., Seattle, at \$13,750 submitted lowest bid to Signal Officer, Headquarters, Ninth Corps Area, Presidio, San Francisco, for construction of complete underground and aerial telephone cable distribution system and installation of one 400-prs., 22-gauge underground and aerial cable, with laterals and terminals at Port Lewis.

Following is complete list of bids:

H. C. Moss, Seattle	\$13,750
M. C. Murphy, Cleveland, O.	13,900
E. M. Gilleran, San Francisco	13,900
O. G. Ritchie, San Jose	14,687
G. M. Gest, San Francisco	14,750
Tring Bros., Salt Lake City	15,223
NePage-McKenny, Seattle	16,255
City Elec. & Fixture Co., Seattle	18,150

Bids held under advisement.

HALLS AND SOCIETY BUILDINGS

Plans Being Figured—Bids Close July

14th, 10:15 A. M.

MEMORIAL BLDG. Cost, \$17,000

FORT BRAGG, Mendocino Co., Cal.

One-story concrete Veterans' Memorial

Bldg. (concrete walls, terra cotta

tile roof, maple floors, furnace

heat)

Owner—County of Mendocino.

Architect—P. L. Dragon, Mercantile

Bank Bldg., Berkeley.

HOSPITALS

Bids To Be Opened July 15, 2:30 P.

M. for Structural Steel.

HEALTH CENTER Cost, \$850,000

(Structural Steel cost \$52,500)

SAN FRANCISCO. Polk and Grove

Streets.

Four-story and basement reinforced

concrete class A health center,

emergency hospital and office

(granite facing).

Owner—City and County of S.

isco.

Architect—S. Helman, 57 Post Str.

Structural Engineers—Ellison & Rus

sell, Pacific Bldg.

Bids are being received by S. J.

Hester, secretary of the Board of Pub-

lic Works, for furnishing, fabricating,

delivery and erecting structural steel. A bond of \$13,135 will be required of the successful bidder. Certified check 10% payable to the Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Architecture, 2nd floor, City Hall, on deposit of \$20, returnable.

Sub-Contracts Awarded

COMMISSARY Cost price, \$19,870

ELDRIDGE, Sonoma Co., Cal. State

Hospital Grounds.

One-story brick commissary building.

Owner—State of California.

Plans by State Department of Public

Works, Division of Architecture,

Geo. E. McDougall, state architect

Public Works Bldg., Sacramento.

Contractor—William Spivock, Hobart

Bldg., San Francisco.

Grading—Geo. O. Pittcock & Son, 1294

Berkeley Way, Berkeley.

Cement—H. Cowell Lime & Cement

Co., 2 Market St., San Francisco.

Lumber and Millwork—Napa Lumber

Co., Napa.

Reinforcing Steel—W. S. Wetenhall

Co., 17th and Wisconsin Sts., San

Francisco.

Brick—McNear Brick Co., Monadnock

Bldg., San Francisco.

Structural Steel—Schrader Iron Wks,

1247 Harrison St., San Francisco.

Steel Sash—Soule Steel Co., Rialto

Bldg., San Francisco.

Glass—W. P. Fuller & Co., 301 Mis-

sion St., San Francisco.

Plastering—F. M. Norrbam, Sonoma.

Miscellaneous Iron—Sims & Gray, 550

Bryant St., San Francisco.

Bids Opened.

GRADING Cost, \$—

YOUNTVILLE, Napa Co., Cal.

Rough excavating and grading site for

hospital building.

Owner—State of California.

Plans by State Department of Public

Works, Division of Architecture,

Public Works Bldg., Sacramento,

Geo. E. McDougall, state architect

The work involves excavating and

grading of the site for a new hospital

building and excavating for all base-

ment areas.

Paris Bros., Berkeley

W. J. Beatty, Castroville	11,200
A. R. Maestretti, Stockton	11,497
H. H. Boomer, San Francisco	13,900
Chas. Chittenden, Napa	14,575
Meyer Rosenberg, S. F.	15,200
H. A. Christie, Willits	15,500
Pacific Const. Co., Oakland	15,900
Ariss-Knapp Co., Oakland	15,958
Willard Blasotti, Stockton	17,288

Bids held under advisement.

To Take Bids Shortly.

CONVENT Cost, \$200,000

SAN DIEGO, San Diego Co., Cal. No.

5158-70 Hawley Blvd.

Two and three-story reinforced con-

crete convent (116x200 feet).

"Gold Medal" Safety Scaffolding

for use on steel and concrete frame buildings; saves
lives, time and money

It pays to use the best Scaffolding Equipment
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Lessor of Suspended and Swinging Safety "Gold Medal" Scaffolding.

Owner—Carmelite Sisters.

Architect—Frank L. Hope Jr., Bank of America Bldg., San Diego.

Plans Being Figured—Bids Close July 25, 10 A. M.

HOSPITAL. Cost, \$140,000
RENO, Nevada, East of the present County Hospital Site.CLASS A county hospital (L-shaped).
OWNER—County of Washoe, E. H. Reemer, county clerk.Architect—F. J. DeLongchamps, Gazette Bldg., Reno.
The structure will be L-shape and will have a capacity of about 50 beds. An issue of \$80,000 in bonds will be sold by the county and the balance of the cost will come from the County Hospital tax levy. Plans are obtainable from the architect on deposit of \$10, returnable.

Painting Contract Awarded.

ADDITIONS. Cost, \$269,847
SAN FRANCISCO. Potrero Ave., bet. 20th and 33rd Sts.

Class A additions on roof of San Francisco Hospital (4 wards; brick walls, tile roofing).

Owner—City and County of San Francisco.

Architect—Alfred I. Coffey and Martin J. Rist, associated, Pelican Bldg., San Francisco.

Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

Painting—J. H. Devert, 912 Harrison St., San Francisco.

Contract Awarded.

REFRIGERATOR. Cost, \$—
SAN JOSE, Santa Clara Co., Cal.

Furnish and install ice making and refrigerating plant for service bldg. at Santa Clara County Hospital.

Owner—County of Santa Clara, Henry A. Pfister, county clerk.

Architect—Not Given.

Cardboard Machinery Co., 1031 S Broadway, Los Angeles, at \$11,630 awarded contract.

Bids Opened.

ADDITION. Cost, \$17,000
OAKLAND, Alameda Co., Calif. 18th and Poplar Sts.

Addition to detention home.

Owner—County of Alameda.

Architect—H. H. Meyers, Kohl Bldg., San Francisco.

Following is a complete list of bids:

General Work

John E. Branagh, 184 Perry St., Oakland.....\$ 9,000

George Swanstrom, Oakland..... 9,724

E. T. Leiter & Son, Oakland..... 10,637

A. Holyoake, Hayward..... 10,677

N. H. Sjoberg & Son, S. F..... 12,833

Niles W. Place, Oakland..... 13,500

Painting

Aristo Painting Co., 473 Bryant St., San Francisco..... 70

J. J. Burdon & Son, Oakland..... 100

A. A. Zelinsky, San Francisco..... 100

Window Shades

Tri-City Window Shade Co., 523 13th St., Oakland.....\$156.40

Bids held under advisement.

HOTELS

Contract Awarded.

ADDITION. Cost, \$100,000
PASADENA, Los Angeles Co., Cal. No. 125 S-Grand Avenue.

Class A reinforced concrete addition to Hotel Vista del Arroyo.

Owner—Hotel Vista del Arroyo.

Architect—Not Given.

Contractor—Orndorff Constr. Co., 437 S-Hill St., Los Angeles.

The hotel addition will be a Class A reinforced concrete structure providing additional dining room facilities. The garage will have accommodations for 100 cars and will be a one-story, Class C structure with brick walls,

steel trusses, composition roofing, skylights, steel sash and cement floors.

POWER PLANTS

PASADENA, Cal.—C. H. Wheeler Mfg. Co., 129 W 2nd St., Los Angeles, submitted the low bid to the city directors to furnish and install steam condenser at Municipal light plant.

Bids were taken on a two-pass steel plate shell surface condenser with two unequal circulating pumps and appurtenances. The items are:

(A) Cash;

(B) Deferred payments.

The bids were:

C. H. Wheeler Mfg. Co., \$59,510 \$59,670

Ingersoll-Rand Co., 62,600 62,600

Foster-Wheeler Co., 65,730 65,730

Elliott Company, 65,730 65,730

Westinghouse Elec., 65,400 65,400

Worthington Co., 65,730 65,730

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Plans Being Figured—Bids Close July 20, 2:30 P. M.

LIBRARY. Cost, \$60,000
SAN FRANCISCO. 37th Avenue bet. Geary and Anza Streets.

Two-story reinforced concrete branch library (tile roof, ornamental iron, hot air heat, oil burner).

Owner—City and County of San Francisco, Geo. A. Mullin, Controller and Secretary, Board of Library Trustees.

Architect—John Reid, Jr., 405 Montgomery Street.

Engineer—C. H. Snyder, 251 Kearny Street.

Certified check 10% payable to the Board of Trustees of the Public Library and Reading Room of the City and County of San Francisco required with bid. Bond of \$16,200 will be required of the successful bidder. Plans obtainable from the architect on deposit of \$30, returnable.

To Take Sub-Bids.

FIRE HOUSE. Cost, \$30,817
SAN FRANCISCO. Lombard Street bet. Broderick and Baker Sts.

Brick fire house.

Owner—City and County of San Francisco (S. J. Hester, Secretary, Board of Public Works).

Architect—W. E. Baumberger, 5 4 4 Market St., San Francisco.

Contractor—Vogt & Davidson, 185 Stevenson St., San Francisco.

The structure will use an engine comp. truck body, chemical comp. hose tender.

Contractors reported, electric work \$1680; mechanical equipment to Mesiano Co., 5335 Mission St., at \$65.

To Ask Bids July 15th for Lathing, Plastering, Electric and Sheet Metal Works.

LEGION BLDG. Cost, \$2,500,000
SAN FRANCISCO. Civic Center.

Four-story and basement concrete class A Legion Building.

OPERA HOUSE. Cost, \$2,500,000

Six-story class A opera house, seating capacity, 4000; standing room, 500.

Owner—City and County of San Francisco (S. F. War Memorial).

Architect—G. A. Lansburgh, 140 Montgomery St. and Arthur Brown, 251 Kearny St.

Mfrs. of Const.—Lindgren & Swinerton, Inc., 225 Bush St.

Other awards previously reported.

Bids Wanted.

CITY HALL. Cost, \$400,000
BEVERLY HILLS, Los Angeles Co.

Three-story and eight-story tower reinforced concrete city hall.

Owner—City of Beverly Hills.

Architect—Koerner & Gage, 468 N. Camden Dr., Beverly Hills.

Consulting Architects—Austin & Ashley, Chamber of Commerce Bldg., Los Angeles.

Contract Awarded.

FIRE HOUSE. Cost, \$—
OROVILLE, Butte Co., Cal.

One-story brick fire house.

Owner—City of Oroville.

Architect—Chester Cole, First Nat'l Bank Bldg., Chico.

Contractor—Fred H. Betz, 1017 43rd St., Sacramento.

Following is a complete list of bids:

Fred H. Betz, Sacramento, \$15,994

(a) ded. \$480 (b) ded. \$315 (c) ded. \$25

(d) ded. \$125 (e) ded. \$356 (f) ded. \$300 (g) add \$160.

A. F. Anderson, Oakland, \$15,860

(a) \$292 (b) \$292 (c) \$24 (d) \$82 (e) \$350 (f) \$270 (g) \$154.

A. Plagge, Oroville, \$16,348 (a) \$325

(b) \$230 (c) \$155 (d) \$115 (e) \$240 (f) \$285 (g) \$222.

Milo Stram, Oroville, \$16,525 (a) \$400

(b) \$300 (c) \$45 (d) \$60 (e) \$336 (f) \$400 (g) \$175.

David Nordstrom, Oakland, \$16,902

(a) \$405 (b) \$225 (c) \$70 (d) \$175 (e) \$240 (f) \$283 (g) \$80.

J. L. Fryde, Oroville, \$17,000 (a)

\$411 (b) \$200 (c) \$85 (d) \$50 (e) \$520

(f) \$500 (g) \$100.

W. H. Hubert, Oroville, \$17,196 (a)

\$295 (b) \$260 (c) \$150 (d) \$70 (e) \$336

(f) \$250 (g) \$200.

W. J. Shalz, Chico, \$17,300 (a) \$375

(b) \$350 (c) \$60 (d) \$55 (e) \$80 (f) \$400 (g) \$150.

Alternates submitted were for use of different materials.

Commissioned To Prepare Plans.

CITY HALL. Cost, \$—
WOODLAND, Yolo Co., Cal.

City hall, jail and fire house (2 bldgs.).

Owner—City of Woodland, J. H. Laugencour, city clerk.

Architect—Charles Dean, California State Life Bldg., Sacramento.

Sub-Contracts Awarded.

POLICE STATION. Cost, \$45,000
SAN FRANCISCO. Golden Gate Park.

One-story reinforced concrete police station.

Owner—City and County of San Francisco (S. J. Hester, Sec'y, Board of Public Works).

Architect—Weeks and Day, Financial Center Bldg.

Contractor—William Spivock, Hobart Building.

Grading—Sibley Grading and Teaming Co., 165 Landers St.

Lumber—J. H. McCallum, 748 Bryant Street.

Reinforcing Steel—Concrete Eng. Co., 1280 Indiana St.

Cast Stone—A. Cardini.

Steel Sash—Michel & Pfeffer, Harrison and 10th Sts.

Ornamental Iron—Anchor Post Fence Co., 460 5th St.

Tile—Albert Cook, 334 Claremont.

Roofing—W. J. Anderson.

Glass—W. P. Fuller & Co., 301 Mission Street.

Flag Pole—Bolander & Co., 954 Bryant Street.

As previously reported, plumbing and mechanical work awarded to O'Mara and Stewart, 218 Clara Street; electrical work to W. B. Baker, 270 6th St.

RESIDENCES

Contract Awarded.

RESIDENCE. Cost, \$15,000
PALO ALTO, Santa Clara Co., Cal.

Two-story and basement frame and stucco residence (8 rooms and 2 baths; Colonial type).

Owner—Withheld.

Architect—Guy Koepp, Carmel.

Contractor—E. Aldrich, Palo Alto.

Contract Awarded.
RESIDENCE Cost, \$5500
MILL, VALLEY, Martin Co., Cal.
One-story and basement frame and
stucco residence (five rooms, tile
roof, gas furnace, tile baths).
Owner—Mrs. J. Benjamin.
Architect—Walter Falch, Hearst Bldg.,
San Francisco.
Contractor—Makin Klyce, 25 Eugene
St., Mill Valley.

Commissioned To Prepare Plans.
RESIDENCE Cost, \$—
HONOLULU, T. H.
Large residence.
Owner—W. Thomas Balding, Honolulu
T. H.

Architect—W. W. Wurster, 260 Cali-
fornia St., San Francisco.

Commissioned To Prepare Plans.
RESIDENCE Cost, \$30,000
HONOLULU, T. H. Diamond Head.
Residence.
Owner—C. J. Henderson, Honolulu,
T. H.
Architect—W. W. Wurster, 260 Cali-
fornia St., San Francisco.

Preparing Working Drawings.
RESIDENCE Cost, \$9000
BERKELEY, Alameda Co., Cal.
Two-story frame and stucco residence
(6 rooms and 2 baths); tile roof,
tile baths and kitchen, hot air
heating system.
Owner—Wildchild.
Architect—Harcman & Russ, Berke-
ley Bank Bldg., Berkeley.
Plans will be ready for bids in about
two weeks.

Prospective Bidders.
RESIDENCE Cost, \$10,000
BERKELEY, Alameda Co., Cal. Clare-
mont District.
Two-story and basement English style
residence (8 rooms and 2 baths).
Owner—J. E. Dinwiddie, 2816 Prince
Street, Berkeley.
Plans by Owner.
J. Dawson, 1507 Lincoln St., Berke-
ley.
Albert A. Haskell, 255 Ridgeway
Ave., Oakland.
Edwin F. Henderson, 6449 Chabot
Road, Oakland.
Harold L. Paige, 5651 Oak Grove
Ave., Oakland.
About ten days will be allowed for
figuring the plans.

Sub-Contracts Awarded.
RESIDENCE Cost, \$5,000
OAKLAND, Alameda Co., Calif. Di-
mond N Hopkins St.
One-story and basement frame and
stucco residence (6 rooms).
Owner and Builder—Major M. Dem-
mer, 3659 Diamond Ave., Oakland.
Architect—Not Given.
Plumbing—J. M. Dale, 372 24th St.,
Oakland.
Sheet Metal—M. C. Henry, 1183 53rd
St., Oakland.
Concrete—P. M. Henning, 5228 Law-
ton Ave., Oakland.
Electric Work—Dimond Electric Co.,
2100 Hopkins St., Oakland.

Sub-Contracts Awarded.
RESIDENCE Cost, \$5,000
OAKLAND, Alameda Co., Cal. North
Monadnock Way W 64th Ave.
One-story and basement frame and
stucco residence (5 rooms).
Owner and Builder—Robert Trimlett,
4240 Fleming Ave., Oakland.
Plans by Owner.
Plumbing—Charles Walker, 2059 38th
Ave., Oakland.
Heating—Atlas Heating & Ventilating
Co., 1451 32nd St., Oakland.
Painting—W. B. O'Brien, 2324 Santa
Clara Ave., Alameda.
Sheet Metal—Frank Christoph, 3441
Salisbury St., Oakland.
Millwork—Melrose Lumber & Supply
Co., 1201 46th Ave., Oakland.

Brick Hans Johnson, 5012 Congress
Ave., Oakland.
Cement—Dan Doyle, 7710 Hillside Ave.
Oakland.
Plastering—H. L. Varner, 4708 Allen-
dale Ave., Oakland.

Contract Awarded.
RESIDENCE Cost, \$5500
KENTFIELD, Marin Co., Cal.
One-story and basement frame and
stucco residence (five rooms, tile
roof, gas furnace, tile baths).
Owner—Ernest Bower.
Architect—Walter Falch, Hearst Bldg.,
San Francisco.
Contractor—Kinnard & Phetteplace,
Mill Valley.

Preparing Plans.
RESIDENCE Cost, \$10,000
OAKLAND, Alameda Co., Cal. Lake-
shore Highlands.
Two-story and basement frame and
stucco residence (Spanish style; 8
rooms, 3 baths; tile roof; hot air
heating).
Owner—East Bay Title Insurance Co.,
1430 Franklin St., Oakland.
Architect—Wm. E. Schirmer, 700 21st
St., Oakland.

Contract Awarded.
RESIDENCE Cost, \$15,000
OAKLAND, Alameda Co., Calif. 70
Stonewall Road.
Two-story and basement frame and
stucco residence (8 rooms).
Owner—Winnifred Lee, 2215 7th Ave.,
Oakland.
Architect—Not Given.
Contractor—Theo. H. Lapham, 546
Kenmore Ave., Oakland.

Completing Plans.
ALTERATIONS Cost, \$2500
PIEDMONT, Alameda Co., Calif. 16
Wildwood Avenue.
Remodeling and addition to residence.
Owner—W. J. Gardner, 16 Wildwood
Gardens Ave., Piedmont.
Architects—Noble and Archie T. New-
som, Russ Bldg., San Francisco.

Taking Bids.
RESIDENCE Cost, \$50,000
BEL-AIR, Los Angeles Co., Cal.
Two-story and basement reinforced
concrete and frame residence (ce-
ment gun exterior, clay tile and
composition roof, stone, marble,
iron grilles).
Owner—Sol Wulff.
Architect—Wallace Neff, 182 E Cali-
fornia St., Pasadena.

Preparing Plans.
RESIDENCE Cost, \$70,000
PIEDMONT, Alameda Co., Cal. Pied-
mont Estates.
Two-story and basement frame and
stucco residence (Italian style,
tile roof, ornamental iron, marble,
gas heat, vapor system, landscap-
ing).
Owner—R. K. Ham, Latham Square
Bldg., Oakland.
Architects—Noble and Archie T. New-
som, Russ Bldg., San Francisco.
Plans will be ready for bids in about
80 days.

Contracts Awarded.
RESIDENCE Cost, \$12,000
OAKLAND, Alameda Co., Cal. Mont-
clair District.
Two-story and basement frame and
stucco residence (7 rooms and 3
baths; Spanish style; tile roof,
gas hot air heat, electric refriger-
ator).
Owner—Hurford Sharon, 287 Sheridan
Ave., Piedmont.
Architect—Ray F. Keefer, 770 Wesley
Ave., Oakland.
Plumbing—J. A. Fazio, 402 Castro St.,
Oakland.

Steel Sash—Michael & Pfeffer Iron
Works, Inc., Harrison and Tenth
Sts., San Francisco.
Millwork—Lanham Bros., Fifth and
Magnolia Sts., Oakland.
Concrete—Valentino Di Zilio, 1922 43rd
St., Oakland.

Sub-Bids Being Taken.
RESIDENCE Cost, \$6000
OAKLAND, Alameda Co., Cal. Brook-
dale and Best Avenues.
One-story and basement frame and
stucco residence (six rooms; gas
heating system).
Owner and Builder—Ernest W. Urch,
5740 Ivanhoe Road, Oakland.
Private plans.
Sub-contracts awarded are as fol-
lows: steel sash to Detroit Steel Prod.
Co., 26th and Doyle, Oakland; lumber
to Sunset Lumber Co., 400 High St.,
Oakland; foundation to Reichel and
Bredehoff, 1555 Central Ave. Alameda.

Plans Being Figured.
RESIDENCE Cost, \$6000
MONTEREY, Monterey Co., Cal.
One-story and basement frame and
stucco residence (6 rooms).
Owner—Joe Crevella, 248 Pacific Ave.,
Monterey.
Architect—W. H. Hastings and A. W.
Story, 22 Alvarado St., Monterey.

Electric Contract Awarded.
BUNGALOW COURT Cost, \$55,000
SAN CARLOS, San Mateo Co., Cal.
One-story frame and stucco bungalow
court.
Owner—Robert Klassen.
Architect—Ernest Norberg, 580 Mar-
ket St., San Francisco.
Contractor—George W. Williams Co.,
Ltd., Crawford Bldg., Burlingame.
Electric Work—Atlas Electric Co., 343
Fourth St., San Francisco.

Additional Sub-Contracts Awarded.
RESIDENCE Cost, \$7500
OAKLAND, Alameda Co., Cal. No.
5732 Ivanhoe Road.
Two-story frame and stucco residence
(7 rooms).
Owner and Builder—Ernest W. Urch,
5740 Ivanhoe Road, Oakland.
Plans by Owner.
Roofing—Elliott & Elliott, 1429 66th
Ave., Oakland.
Heating—H. K. Flowers, 5437 Thomas
St., Oakland.
Millwork—Boulevard Mill & Lumber
Co., 3720 Foothill Blvd., Oakland.
As previously reported, sheet metal
awarded to M. C. Henry, 1183 53rd St.,
Oakland; plastering to R. H. Casell,
1182 34th St., Oakland.

Plans Being Revised.
RESIDENCE Cost, \$12,000
ON, Amador Co., Cal.
One-story and basement frame and
stucco residence (7 rooms).
Owner—Win Jackson, Jackson.
Architect—H. A. Fyfe Devine, California
State Life Bldg., Sacramento.

Concrete Contract Awarded.
RESIDENCES Cost \$5800 to \$7000
BURLINGAME, San Mateo Co., Cal.
Palm Drive and Oak Grove Ave.
Twenty-two one-story and basement
frame and stucco residences (six
rooms, English type, gas furnace,
shingle roof, hardwood floors, tile
kitchen and bath).
Owner and Builder—George W. Wil-
liams Co., 315 Primrose Rd., Bur-
lingame.
Architect—John K. Gallantini, Jr., 137
Harian, San Francisco.
Concrete—Gus Adolphson, San Mateo.
Taking figures on first six houses.
Others will go ahead shortly.

Contract Awarded.
RESIDENCE Cost, \$10,000
PALO ALTO, Santa Clara Co., Calif.
Stanford Campus.

Two-story and basement frame and stucco residence (Spanish style).
 Owner—George Calvert, Standard University Ave., Palo Alto.
 Architect—Birge M. Clark, 310 University Ave., Palo Alto.
 Contractor—Wells P. Goodenough, 310 University Ave., Palo Alto.
Plumbing—J. F. Dahl, Palo Alto.
Millwork—James Mill & Lumber Co., Redwood City.
Wiring—Coast Electric Co., 260 Spear St., San Francisco.
Ornamental Tile—Malott & Petersen, 223 26th St., San Francisco.
Sheet Metal—Spangler Sheet Metal Works, Palo Alto.
Wood Screens—Hipolito Co., 557 Market St., San Francisco.
Weather Stripping—Chamberlin Weather Strip Co., 895 Post St., San Francisco.
Plastering—R. Alberson, Palo Alto.

Completing Plans.
RESIDENCES Cost \$25,000 to \$50,000
HILLSBOROUGH, San Mateo Co., Cal.
 South Downs and Black Mountain Road.
 Six 2-story and basement stucco and tile residences (12 and 15 rooms, 6 and 7 baths; luxurious fittings; landscaping; garages).
 Owner and Builder—A. E. Albertone, 167 40th St., Oakland (Telephone Piedmont, 3292).
 Plans by T. Moore, 58 Lake Avenue, Piedmont.
 Owner will be ready to take bids on the first of this group in about three weeks.

Contract Awarded.
RESIDENCE Cost, \$7000
MODESTO, Stanislaus Co., Cal.
 One-story and basement frame and stucco residence (Spanish type; 6 rooms, tile bath, tile roof).
 Owner—R. E. Cadrett, 418 Sycamore St., Modesto.
 Architect—C. N. Hilburn, Elks Bldg., Modesto.
 Contractor—M. L. Scranton, Modesto.

Plans Being Figured.
RESIDENCE Cost, \$10,000
BERKELEY, Alameda Co., Cal. Claremont District.
 Two-story and basement English style residence (8 rooms and 2 baths).
 Owner—J. E. Dinwiddie, 2816 Prince St., Berkeley.
 Plans by Owner.
 About ten days will be allowed for figuring the plans.

Completing Plans.
RESIDENCES Cost each, \$6000
SAN FRANCISCO. Munich and Rolph Streets.
 Two 1-story and basement frame and stucco residences (all modern finishing; Spanish style).
 Owner—Victor Holmgren, 55 Allison Street.
 Private plans.

Completing Plans.
RESIDENCE Cost, \$5500
SAN FRANCISCO. 40th Avenue and Judah Street.
 One-story frame and stucco residence (6 rooms).
 Owner—E. Vigen, Hillcrest Ave., Milbrae.
 Private plans.
 Owner will be ready for figures in about one week.

Sub-Bids Wanted.
RESIDENCE Cost, \$30,000
HILLSBOROUGH, San Mateo Co., Cal. South Down and Black Mountain Road.
 Two-story and basement frame and stucco residence (12 rooms and 6 baths; social hall).

Owner and Builder—A. E. Albertone, 167 40th St., Oakland (Telephone Piedmont, 3292).
Carpentry—J. Westerlund, 2649 E 16th Street, Oakland.
 Plans by T. Moore, 58 Lake Avenue, Piedmont.
Pumbing—J. Jones, 1812 Divisadero St., San Francisco.
Electric Work—W. J. Martinez, 2814 College Ave., Berkeley.
Brick—Carl Lindholm, Oakland.
 Owner and builder desired. labor contract on plastering. Also wants bids on hardwood floors, painting, tile, ornamental iron and tile roof.
 Preparing Working Drawings.
RESIDENCE Cost, \$20,000
SAN FRANCISCO. Jackson St. near Presidio Avenue.
 Two-story and basement frame and stucco residence.
 Owner—Bruce Cornwall, 2301 Pacific Avenue.
 Architect—Willis Polk Co., 277 Pine Street.

Sub-Contracts Awarded.
RESIDENCE Cost, \$10,000
OAKLAND, Alameda Co., Cal. South Harwood E Ross St.
 Two-story frame and stucco residence (7 rooms).
 Owner—J. H. Coupin, 376 60th Street, Oakland.
 Architect—A. W. Smith, 1540 San Pablo Ave., Oakland.
 Contractor—C. D. Rich, 4627 Fleming Ave., Oakland.
Plumbing—J. R. Kennet, 1715 Broadway, Alameda.
Millwork and Lumber—Melrose Lbr. & Sup. Co., 1201 40th Ave., Oakland.
Brick Work—C. M. Goodell, 2836 Minna St., Oakland.
Concrete Forms—Transit Concrete, Ltd., 2500 Feralta St., Oakland.
Steel—Eormann Steel Co., Grove and 4th Sts., Oakland.
Electric Work—Deidrick Electric Co., Oakland.
Sheet Metal—Henry Sheet Metal Co., 1183 53rd St., Oakland.
Painting and Decorating—Fred Burnsen, 9515 Burr St., Oakland.
Tile Roofing—Saxby Roofing Co., 4538 Fleming St., Oakland.
Furnace—Pacific Appliance Co., Oakland.
Excavating—Knapp-Ariss Co., 961 41st St., Oakland.

Preparing Preliminary Sketches.
RESIDENCE Cost, \$12,500
SAN FRANCISCO. Seaciff District.
 Two-story and basement frame and stucco residence (9 rooms, 4 baths tile roof, hot air heating system).
 Owner—Withheld.
 Architect—John E. Dinwiddie, Balboa Building.

Sub-Contracts Awarded.
RESIDENCE Cost, \$25,000
SAN FRANCISCO. Marina District.
 Two-story and basement frame and stucco residence (9 rooms and 4 baths).
 Owner—F. S. Kelly.
 Architect—Charles Strothoff, 2274 15th St., San Francisco.
 Contractor—Young & Horstmeier, 461 Market St., San Francisco.
Concrete—Paramount Concrete Co., 375 Wheeler St., San Francisco.
Reinforcing Steel—W. S. Wetenhall Co., 17th and Wisconsin Sts., San Francisco.
Lumber—Sudden Lumber Co., Evans and Quint St., San Francisco.

Prospective Bidders.
STORE Cost, \$23,000
OAKLAND, Alameda Co., Calif. 14th and Webster Streets.
 One-story reinforced concrete store (8 stores).

Owner—Mrs. A. F. Merriman, % Coldwell, Cornwall & Banker, 405 14th St., Oakland.
 Architect—Chas. McCall, 1404 Franklin St., Oakland.
 Following contractors will submit bids:
 Emil Person, 829 San Luis Road, Berkeley.
 J. J. Moore, 354 Hobart St. Oakland.
 Chas. Heyer, Mills Bldg., San Francisco.
 Chas. D. Vezey & Son, 3220 Sacramento St., San Francisco.
 Villadsen Bros., 417 Market St., San Francisco.
 A. A. Haskell, 255 Ridgeway, Oakland.
 C. H. Lawrence, 5321 Lawton, Oakland.
 H. S. Shane, Hayward.
 Harold L. Paige, 5651 Oak Grove, Oakland.
 R. W. Littlefield, 337 17th St., Oakland.

Sub-Contracts Awarded.
RESIDENCE Cost, \$18,000
SAN FRANCISCO. Marina District.
 Two-story and basement frame and stucco residence (9 rooms and 4 baths).
 Owner—R. R. Orella.
 Architect—Charles Strothoff, 2274 15th St., San Francisco.
 Contractor—Young & Horstmeier, 461 Market St., San Francisco.
Concrete—Paramount Concrete Co., 375 Wheeler St., San Francisco.
Reinforcing Steel—W. S. Wetenhall Co., 17th and Wisconsin Sts., San Francisco.
Lumber—Sudden Lumber Co., Evans and Quint Sts., San Francisco.

Completing Plans.
RESIDENCE Cost, \$6000
MORAGA OAKS, Contra Costa Co., Cal.
 One-story and basement English cottage (terra cotta tile roof, brick and half timbers, hardwood floors, tile baths, etc.)
 Owner—E. C. Ingram, Ingram Studios, Oakland.
 Architects—Noble and Archie T. Newson, Russ Bldg., San Francisco.

SCHOOLS

Bids Opened.
ADDITIONS Cost, \$—
BURLINGAME, San Mateo Co., Cal. Additions to Howard Avenue School and alterations to McKinley School and electric wiring and light fixtures for the Roosevelt and McKinley Schools.
 Owner—Burlingame Grammar School District, W. H. Eddy, clerk, Burlingame.
 Architect—E. L. Norberg, 407 Occidental Ave., Burlingame, and 580 Market St., San Francisco.
 Following is a complete list of bids:
General Work
 (Includes Props. 1, 2, 4, 7)
 I. Sorensen, 1128 Lincoln, Burlingame\$11,242
 J. W. Cobby & Son, S. F.11,258
 L. N. Pollard, Redwood City11,273
 R. C. Stickle, South S. F.11,317
 Geo. Williams Co., Ltd., Burlingame11,670
 Chas. H. Bessett, Burlingame11,771
 Chas. Petersen, San Mateo12,944
Electrical Work
 Alta Elec. Co., 938 Howard St., San Francisco\$3,848
 Atlas Elec. Co., S. F.3,922
 Decker Electric Co., S. F.3,926
 Contract will be awarded on Props. 1, 2, 4, and 7.
 Bids held under advisement.

Bids Opened.

COLUMBIAS Cost, \$45,000
SANTA ROSA, Sonoma Co., Cal.
 Second unit of Junior College (to house six science laboratories and two classrooms, offices and rest rooms; brick construction; steam heat; tile roof).

Owner—Santa Rosa Junior College District.

Architect—W. H. Weeks, 525 Market St., San Francisco.

Following is a complete list of bids:
 (1) Main Bldg. (2) Providing for larger structure (1a) add for finishing basement for Prop. 1 (2a) add for finishing basement for Prop. 2.

Petaluma Const. Co., Petaluma (1) \$25,500 (2) \$34,500 (1a) \$2,320 (1b) \$2,200.

N. H. Sjoborg & Son, San Francisco (1) \$30,489 (2) \$38,689 (1a) \$2,449 (2a) \$2,400.

J. W. Cobby & Son, San Francisco (1) \$30,790 (2) \$38,700 (1a) \$2,450 (2a) \$2,450.

The Minton Co., Mt. View (1) \$31,117 (2) \$38,415 (1a) \$2,245 (2a) \$2,245.
 Leibert & Trobeck, San Francisco (1) \$31,289 (2) \$39,427 (1a) \$2,138 (2a) \$1,974.

R. S. Hannah, San Francisco (1) \$31,997 (2) \$39,190 (1a) \$1,775 (2a) \$1,775.
 Ralph McLeran Co., San Francisco (1) \$32,912 (2a) \$42,503 (1a) \$2,475 (2a) \$2,475.

J. B. Peterson, Oakland (1) \$33,916 (2) \$41,593 (1a) \$1,995 (2a) \$1,995.

Young & Horstmeier, San Francisco (1) \$33,990 (2a) \$43,263 (1a) \$2,725 (2a) \$2,725.

J. J. Grodem & Co., Alameda (1) \$35,500 (2) \$42,500 (1a) \$2,640 (2a) \$2,500.

Bids held under advisement.

Plans Being Figured—Bids Close July 14, 8 P. M.

CLASSROOM ADDN. Cost, \$—
SAN RAFAEL, Marin Co., Cal.
 Completion of a classroom at Laurel Dell School.

Owner—San Rafael School Dist., Oliver R. Hartzell, secretary, Board of Education, High School, San Rafael.

Architect—N. W. Sexton, deYoung Bldg., San Francisco.

Plans on file in office of secretary and obtainable from the architect.

Sub-Contracts Awarded.

ART BUILDING Cost, \$5000
SAN FRANCISCO, Potrero Ave. and Seventeenth St.

Art building on roof of school (fireproof structure, 25x80 feet, steel frame, hollow tile walls, composition roof, trusses, ceiling beams, cabinets, hardwood finish).

Owner—Lux School of Industrial Training, Geo. A. Merrill, director.

Architect—W. S. Hays, 1325 First National Bank Bldg.

Steel—Truscon Steel Co., Call Bldg.
Tile—Johnson Bros., 475 Stevenson St.

Plastering—P. A. Morel, 1351 De Haro Street.

Painting—A. A. Zelinsky, 4420 California Street.

Mill work bids will be taken at a later date.

Prospective Bidders.

SCHOOL Cost, \$85,000
ST. HELENA, Napa Co., Cal.

One-story reinforced concrete grammar school (eight classrooms and auditorium).

Owner—St. Helena Grammar School District.

Architect—Wolfe and Higgins, Realty Bldg., San Jose.

Segregated bids are wanted for:

(1) General contract, except painting and steam heating;
 (2) Painting;
 (3) Steam Heating.
 (4) Steam Heating.

Following contractors have secured plans:

Carl N. Swensen, 355 Stockton Ave., San Jose.

Paul Anderson, Tully Rd., San Jose.

The Minton Co., Mt. View and Palo Alto.

Frank Neves, 891 Harrison St., San Jose.

E. Nommensen, 28 N First St., San Jose.

Mathews Const. Co., Forum Bldg., Sacramento.

H. H. Henning, 1751 Berkeley Ave., Stockton.

F. H. Cress, 828 Excelsior Avenue, Oakland.

Bids are to be opened July 14, 8 P. M.

Contract Awarded.

FINISHING Contract price, \$17,774
HOLLISTER, San Benito Co., Cal.

Interior finishing of 2-story reinforced concrete school building (plastering, woodwork, plumbing, heating, painting).

Owner—Hollister School District.

Architect—W. H. Weeks, 525 Market St., San Francisco.

Contractor—The Minton Co., Mt. View and Palo Alto.

Following is a complete list of bids:

(1) add for finishing freehand drawing room, classrooms, etc.

(2) add for finishing stage, etc.

(3) add for completing outside plaster and east cement.

The Minton Co., Mt. View, \$8,481 (1) \$2,741 (2) \$2,871 (3) \$3,681.

A. Staton, Oakland, \$8,470 (1) \$2,984 (2) \$3,553 (3) \$5,432.

J. C. Graf, Hollister, \$8,727 (1) \$2,445 (2) \$3,434 (3) \$4,938.

Chas. Younger, Hollister, \$9,330 (1) \$2,782 (2) \$4,507 (3) \$4,600.

Contract awarded on all alternates.

Bids Opened.

ADDITION Cost, \$5,797
SALINAS, Monterey Co., Cal.

Alterations and extensions to girls' shower rooms in girls' gymnasium at high school.

Owner—Salinas Union High School District, Melrose Martin, clerk.

Architect—Swartz & Ryland, Salinas National Bank Bldg., Salinas.

Low Bidder—F. C. Carlsen, 336 Lincoln Ave., Salinas.

Following is a complete list of bids:

F. C. Carlsen, Salinas, \$5,797

W. E. Green, Salinas, \$5,965

Bids held under advisement.

Preparing Working Drawings.

ORPHANAGE Cost, \$250,000
SACRAMENTO, Sacramento Co., Cal.

Two-story and basement reinforced concrete orphanage (parochial school, dormitory, etc.)

Owner—St. Patrick's Orphanage, Grass Valley.

Architect—Harry J. Devine, California State Life Bldg., Sacramento.

Plans will be ready for bids in about three weeks.

SACRAMENTO, Cal.—Braun-Knecht
 Heilmann Co., 576 Mission Street, San Francisco, at \$760.25 awarded contract by Board of Education to furnish laboratory supplies for Sacramento Junior College. Schaar and Co., Chicago, Ill. at \$831.82 awarded contract to furnish laboratory equipment.

Sub-Bids Wanted.

ADDITION Cost, \$142,000
SAN FRANCISCO, Claremont Blvd. and Taraval Street.

Addition to two-story class B reinforced concrete school (12 classrooms, small auditorium; extend steam heating system; West Portal).

Owner—City and County of San Francisco.

Architect Dodge Riely, Fourth Bldg.

James L. McLaughlin, 251 Kearny St., general contractors, desire sub-bids on all portions of the work in connection with above, for which general bids are to be opened July 15th, 2:30 P. M.

SAN RAFAEL, Marin Co., Calif.—Patterson Bros., 494 36th St., Oakland, submitted lowest bid for painting interior of new gymnasium building. A. A. Cantin, architect, Flatiron Building, San Francisco.

Following is a complete list of bids:

(a) add if spray is used.

Patterson Bros., Oakland, \$850 (a) \$250.

Raphael Co., San Francisco, \$1,125 (a) \$450.

W. Bernstein, \$1,310 (a) \$250.

F. M. Andrews, \$1,517 (a) \$300.

Bids held under advisement.

SAN RAFAEL, Marin Co., Calif.—Berger Mfg. Co., 1129 Mission St., San Francisco, submitted lowest bid to Marin Union Junior College District to supply lockers for the new gymnasium building. A. A. Cantin, architect.

Following is a complete list of bids:

Berger Mfg. Co., \$1,071 (1) add for Dudley lock, \$166.40.

H. M. Schick, San Francisco, \$1,150 (1) \$1,150 (2) combination and master key lock, \$1,350.

Worley Co., San Francisco, \$1,227.64 (1) \$63.36.

Bids held under advisement.

Contract Awarded.

GYMNASIUM Cost, \$25,000
MORGAN HILL, Santa Clara Co., Cal.

Reconstruct gymnasium.
 Owner—Live Oak Union High School District, Morgan Hill.

Architect—J. J. Donovan, 1916 Broadway, Oakland.

Contractor—Wilson & McGranahan, 88 King St., Santa Cruz.

Work involves concrete walls and floors, composition roofs, wood frame, steel trusses, exterior plaster, steam heating system from boiler plant in present building, iron railings.

Following is complete list of bids:

(1) add for additional heating.

(2) deduct for omitting certain electric fixtures.

(3) add for changing outside plaster.

Wilson & McGranahan, Santa Cruz, \$25,374 (1) \$325 (2) \$158 (3) \$90.

W. Meyer, Cupertino, \$25,380 (1) \$120 (2) \$150.

David Nordstrom, Oakland, \$26,406 (1) \$375 (2) \$90 (3) \$400.

The Minton Co., Mt. View, \$26,780 (1) \$325 (2) \$158 (3) \$324.

W. J. Ochs, San Jose, \$26,900 (1) \$276 (2) \$140 (3) \$250.

George J. Maurer, Oakland, \$26,989 (1) \$319 (2) \$92.

Carl N. Swensen, San Jose, \$27,500 (1) \$280 (2) \$140.

Jacobs & Pattiani, Oakland, \$27,570 (1) \$321 (2) \$98 (3) \$317.

Henry Ducey, Morgan Hill, \$27,816 (1) \$288 (2) \$140.

E. Nommensen, San Jose, \$27,947 (1) \$225 (2) \$90.

F. J. Bertleson, Oakland, \$28,472 (1) \$300 (2) \$93 (3) \$236.

J. C. Thorp, San Jose, \$28,000 (1) \$288 (2) \$158 (3) \$360.

Neves & Cabibi, Santa Clara, \$28,663 (1) \$325 (2) \$125.

N. H. Sjoborg & Son, San Francisco \$29,989 (1) \$300 (2) \$90 (3) \$430.

F. Edmans, San Jose, \$29,899 (1) \$1,925 (2) \$158 (3) \$157.

H. B. Post, Palo Alto, \$29,900 (1) \$330 (2) \$160 (3) \$260.

J. W. Cobby & Son, San Francisco, \$30,988 (1) \$400 (2) \$100.

SAN RAFAEL, Marin Co., Calif.—Knittle Bros., 224 5th St., San Francisco, at \$6,693 submitted lowest bid

to Marin Union Junior College District to furnish heating plant for the new gymnasium building.

A. A. Ganten, Platten Bldg., San Francisco, architect.

Bids held under advisement.

Knutlie Brothers \$6,603
Pacific Heat & Vent. Co., Oakland 7,050

J. C. Bosley 7,050

Scott Co., San Francisco 7,257

J. A. Nelson, San Francisco 7,575

Bids held under advisement.

Plans To Be Prepared.

SCHOOL UNIT Cost, \$—

DUNSMUIR, Siskiyon Co., Cal.

One-story concrete vocational training unit, 160x50-ft.

Owner—Dunsmuir High School Dist.

(H. T. Ashford, principal).

Architect—Not Given.

BANKS, STORES & OFFICES

Sub-Contracts Awarded.

REMODELING Cost, \$10,000

SAN FRANCISCO. 831 Market St.

Remodel for store (new store fronts,

counters, ornamental iron, etc.)

Owner—Manning's, Inc., 365 Brannan

Street.

Plans by Owner.

Contractor—Dinwiddie Const. Co.,

Crocker Bldg.

Millwork—Pacific Mfg. Co., Monad-

nock Bldg.

Ornamental Iron—Federal Orn. Iron

Works, 16th and San Bruno Ave.

Vitrolite—Vitrolite Con. Co., 1490 Mis-

sion Street.

Contract Awarded.

STORE Cost, \$10,000

MONTREY, Monterey Co., Cal.

One-story reinforced concrete store

building (3 stores; tile roof).

Owner—Withheld.

Architect—Guy O. Koeppe, Carmel

Woods.

Contractor—C. J. Raymond, 203 Pine,

Pacific Grove.

SACRAMENTO, Cal.—Louis R. Lurie, 315 Montgomery St., San Francisco, contemplates erection of a \$200,000 structure in L Street between 12th and 13 Streets. Further mention will be made of this project when contemplated lease negotiations are further advanced.

Plans Being Figured.

STORE Cost, \$23,000

OAKLAND, Alameda Co., Cal. 14th

and Welster Sts.

One-story reinforced concrete store (8

stores).

Owner—Mrs. A. F. Merriman, % Cold-

well, Cornwall & Banker, 405 14th

St., Oakland.

Architect—Chas. McCall, 1404 Frank-

lin St., Oakland.

Elevator Contract Awarded.

ALTERATIONS Cost, \$30,000

SAN FRANCISCO. No. 214-218 Post

Street.

Alterations to five-story concrete

building with terra cotta front.

Owner—Eastman Kodak Co., 545 Mar-

ket St., San Francisco.

Architect—Bliss & Fairweather, Bal-

boa Bldg., San Francisco.

Contractor—Barrett & Hilt, 918 Har-

rison St., San Francisco.

Elevators—Otis Elevator Co., 1 Beach

St., San Francisco.

As previously reported, granite

awarded to McGilvray Raymond Corp.

3 Potrero Avenue.

Roofing Contract Awarded.

MARKET Cost, \$20,000

NORTH BERKELEY, Alameda Co.,

Cal. Solano Avenue.

One-story brick drive-in market with

tile roof.

Owner—R. O. Long, 2122 Shattuck

Ave., Berkeley.

Architect—Paul Dragon, Mercantile

Bank Bldg., Berkeley.

Contractor—W. E. Lyons, 354 Hobart

St., Oakland.

Roofing—W. J. Saxby, 4538 Fleming

St., Berkeley.

As previously reported, lumber

awarded to Tilden Lumber Co.; rein-

forcing steel to W. S. Wetenhall, 17th

and Wisconsin Sts., S. F.; millwork to

Sheehan-Ballard Planing Mill, 9th and

Parker Sts., Berkeley; concrete to N.

Lean, 2307 Encinal Ave., Alameda;

steel sash to H. C. Haglund, 354 Ho-

bart St., Oakland.

Bids Opened.

ALTERATIONS Cost, \$—

OAKLAND, Alameda Co., Cal. Grove

Street Terminal.

Remodeling terminal building for ad-

ministration offices of Port Com-

mission (partitions, glass, plumb-

ing).

Owner—City of Oakland (Port Com-

mission), 424 Oakland Bank Bldg.,

Oakland.

Plans by Eng. Dept. of Owner.

Following is a complete list of bids:

R. W. Littlefield, 337 17th Street,

Oakland \$4,972

Geo. Swanstrom, Oakland 5,145

N. W. Place, Oakland 5,580

J. B. Bishop, Oakland 6,063

David Nordstrom, Oakland 6,596

E. T. Lesure, Berkeley 6,750

Bids held under advisement.

Sub-Contracts Awarded.

STORE Cost, \$—

OAKLAND, Alameda Co., Cal. Broad-

way near 19th Street.

One-story store (40x100-ft.)

Owner—Albert E. Kern and Samuel

Hamburger.

Architect—Reed and Corlett, Oakland

Bank Bldg., Oakland.

Mgr. of Const.—F. A. Muller, Syndi-

cate Bldg., Oakland.

Steel Cotta—Gladding, McBean, 660

Market St., San Francisco.

Steel—McGrath Steel Co., 280 San

Bruno Ave., San Francisco.

As previously reported, concrete

foundations awarded to F. A. Muller,

Syndicate Bldg., Oakland.

Completing Plans—To Ask Bids.

ALTERATIONS Cost, \$2500

OAKLAND, Alameda Co., Cal. Frank-

lin Street.

Alterations and additions to store (add

mezzanine floor, etc.)

Owner—Kling-Dawers Co., 1970 Broad-

way, Oakland.

Architect—Guy L. Brown, American

Bldg., Oakland.

June 29, 1931

Plans Being Figured—Bids Close July

7.

STORE Cost, \$150,000

SAN MATEO, San Mateo Co., Cal.

Third Ave. east of El Camino Real.

One-story and basement frame

stucco department store (English

design).

Owner—Levy Bros., San Mateo.

Architect—Hyman & Appleton, 68 Post

St., San Francisco.

Sub-Bids Wanted.

STORES Cost, \$9,350

SAN FRANCISCO. West Portal and

Vicente Streets.

One-story and basement frame and

stucco stores.

Owner—W. R. Ray.

Lessee—F. W. Woolworth Co., Finan-

cial Center Bldg.

Contractor—D. L. Bienfield, 666 Mis-

sion Street.

Additional Sub-Contracts Awarded.

BANK Cost, \$25,000

HOLLISTER, San Benito Co., Cal.

One-story reinforced concrete bank.

Owner—Bank of America.

Architect—H. A. Minton, 525 Market

St., San Francisco.

Contractor—Jacks & Irvine, 74 New

Montgomery St., San Francisco.

Granite—California Cut Stone Granite

Works, Railroad and Magnolia Sts.,

South San Francisco.

Ornamental Iron and Bronze—Federal

Ornamental Iron & Bronze Co.,

16th St. and San Bruno Ave., San

Francisco.

As previously reported, structural

steel awarded to Schrader Iron Works,

1247 Harrison St., S. F.; reinforcing

steel to W. C. Hauck & Co., 230 San

Bruno Avenue, S. F.; steel forms to

Steel Form Contracting Co., Monad-

nock Bldg., S. F.

Plans Being Figured—Bids Close July

15th.

STORE Cost, \$30,000

SANTA ROSA, Sonoma Co., Calif. 4th

Street.

Three-story brick and concrete store

building (salesroom and offices).

Owner—S. H. Kress and Co., 621 S

Broadway, Los Angeles.

Architect—John Fleming, 1031 South

Broadway, Los Angeles.

The building will have composition

roofing, steel sash, hardwood floors,

plate glass, etc.

James L. McLaughlin Co., 251 Kear-

ny St., San Francisco, desires sub-

bids on all portions of the work.

THEATRES

Bids To Be Opened July 9.

THEATRE Cost, \$400,000

STOCKTON, San Joaquin Co., Cal.

Main Street, bet. Market and Stan-

islaus Sts.

Two-story Class A theatre.

Owner—National Theatres Syndicate,

25 Taylor St., San Francisco.

Architect—Bliss & Fairweather, Bal-

boa Bldg., San Francisco.

Hamilton Constr. Co., Hearst Bldg.,

San Francisco, are bidding on the job

and would like sub-bids.

Other prospective bidders reported

June 16 and 23.

WHARVES AND DOCKS

Plans Being Revised.

BULKHEAD BLDG. Cost, \$50,000

SAN FRANCISCO. Head of Pier 39.

Steel frame stucco front bulkhead

building (tar and gravel roof).

Owner—State of California (Harbor

Commission).

Engineer—Frank G. White, chief en-

gineer, Ferry Bldg.

Expect to be ready for bids about

July 15.

MISCELLANEOUS CONSTRUCTION

OAKLAND, Cal.—Port Costa Brick

Co., Pacific Coast Aggregates, Inc.,

and Remillard Brick Co., at \$15.50 per

M., delivered at bunkers and \$17.50 de-

livered anywhere within city limits,

submitted identical bids to city coun-

cil to furnish brick as required for

the fiscal year ending June 30, 1932.

Preparing Working Drawings.

MORTUARY Cost, \$30,000

HAYWARD, Alameda Co., Cal.

One-story brick and frame class C

mortuary building.

Owner—Pratt Mortuary, 1044 C Street,

Hayward.

Architect—Miller & Warnecke, Finan-

cial Center Bldg., Oakland.

Bids will be taken in about 2 weeks.

Plans Being Completed.

ARMORY Cost, \$60,000

SALINAS, Monterey Co., Cal. Howard

and Salinas Sts. and Lincoln Ave.

One-story reinforced concrete armory

seating capacity 1,400 to 1,600;

locker rooms, kitchen, stage, shops

and club rooms).

Owner—State of California.

Architect—Knepp & Campbell, Carmel
Plans will be ready for bids in about three weeks.

SAN RAFAEL, Marin Co., Calif.—Otis H. Smith, Freitas Bldg., San Rafael, at \$1,235 submitted lowest bid to Marin Union Junior College District, to construct bleachers in the new gymnasium. Only other bid submitted by Young & Horstmeier, San Francisco, at \$1,280.
A. A. Cantin, Flatiron Bldg., San Francisco, architect.
Bids held under advisement.

SAN FRANCISCO—Bureau of Engineering, Department of Public Works, 3rd floor, City Hall, is preparing specifications for the installation of additional lighting at the Mills Field Municipal Airport. This work will be financed from the Fiscal Year Budget 1930-1931, Item No. 49. Bids will be asked shortly.

Being Done By Day's Work.
ROADHOUSE Cost, \$6500
MT. VIEW, Santa Clara Co., Cal.
One-story frame roadhouse (landscape work, etc.).
Owner—Withheld.
Plans by G. G. Shimamoto, 1551 Laguna St., San Francisco.

Contract Awarded.
BUILDING Cont. price, \$14,357
BERKELEY, Alameda Co., Cal. James Kenney Playground, 8th and Delaware.

One-story and basement frame and stucco recreation bldg. (U-shaped with lockers and showers with each wing and auditorium in center).
Owner—City of Berkeley.
Architect—James W. Placheck, Mercantile Bank Bldg., Berkeley.
Contractor—R. C. McBride, 2326 Le Conte St., Berkeley.

Work involves part tile roof, part rafters and gravel, small stage, exposed rafters, folding doors.

Preparing Plans.
OBSERVATORY Cost, \$750,000
LOS ANGELES, Cal.—Griffith Park. Class A building and equipment, observatory and science building.
Owner—Col. G. J. Griffith Est. (Security First National Bank, trustees).

Architects—John C. Austin and Frederic M. Ashley, Chamber of Commerce Bldg., Los Angeles.

STOCKTON, San Joaquin Co., Cal.—Wellman Buck, 301 E Wyandotte Stockton, at \$15,235 submitted lowest bid to city council to construct new grandstand at Oak Park, to replace the one destroyed by fire. Will have seating capacity of 2,750.

Following is a complete list of bids:
Wellman Buck, Stockton.....\$15,235
F. T. Guyon, Stockton.....15,700
C. L. Totten, Stockton.....16,935
C. H. Dodd, Stockton.....17,428
E. Koder & Stedmler, Stockton.....17,580
S. C. Giles, Stockton.....18,264
J. F. Shepherd, Stockton.....18,650
Chas. S. Brindle, Stockton.....18,898
F. R. Zinck, Stockton.....19,777
I. E. Toothacre, Stockton.....19,787
H. E. Vickroy, Stockton.....23,187
Contract to be awarded to low bidder within a few days.

Bids Opened—Held Under Advisement
TRACK Cost, \$—
BERKELEY, Alameda Co., Cal. University Campus, Fulton and Bancroft Sts.

Reinforced concrete track Stadium Bowl (to seat approx. 20,000).
Owner—University of California.
Architect—Warren C. Perry, 260 California St., San Francisco.
Low bidder—J. Dudley De Velbiss, 369 Pine St., San Francisco, at \$269,700
Work involves two bleacher struc-

tures of reinforced concrete, team quarters, lockers and showers, toilet rooms, telephone and radio accommodations.

Complete list of bids received is as follows:
C. Dudley De Velbiss, S. F. \$269,700
Frederickson & Watson, Oakland.....\$290,000
Lindgren & Swinnerton, S. S. 296,000
MacDonald & Kahn, S. F. 302,990
Barrett & Hip, San Francisco 313,481
W. J. Thornally, Oakland 316,700
A. Nelson, San Francisco.....317,632
Monson Bros., San Francisco.....319,860
Dinwiddie Constr. Co., Oakland 321,000
K. E. Parker, San Francisco.....325,000
Cahill Bros., San Francisco.....344,000
H. C. Vensano & Son, S. F. 378,600

Plans Being Figured.
SAN MATEO, San Mateo Co., Cal. Two-story frame and stucco cat and dog hospital, double garage separate (concrete floors, iron work, composition roof, steel sash, hot water heating).
Owner—Dr. Harold H. Groth, 2600 S El Camino Real, San Mateo.
Architect—Treichel & Goodpastor, 1540 San Pablo Ave., Oakland.

Bids Opened—Held Under Advisement.
MORTUARY Cost, \$25,000
OAKLAND, Alameda Co., Cal. Telegraph and 30th Avenues.
Two-story mortuary building.
Owner—Oakland Undertaking Co., 3007 Telegraph Ave., Oakland.
Architect—Raymond De Sanno, 2584 Milvia St., Berkeley.

Completing Plans.
MAUSOLEUM Cost, \$50,000
SAN MATEO COUNTY, Cal. Location withheld).
First unit of mausoleum (reinforced concrete construction; marble and bronze interior).
Owner—Withheld.

Architect—Crim, Resing & McGuinness, 488 Fine St., San Francisco.
Expect to be ready for segregated bids shortly.

SAN FRANCISCO—C. C. W. & H. H. Haun, 666 Mission St., at \$2,398.87 awarded contract by Board of Public Works to construct concrete tents under existing 44-in. pipe line across Islais Creek, replacing present short bents, involving 150 cu. yds. class B concrete; 2970 lbs. square deformed reinforcing steel.

SAN FRANCISCO—Until July 22, 12 noon, bids will be received by B. P. Lamb, secretary, Board of Park Commissioners, Park Lodge, Golden Gate Park, for installation of a sprinkling system for the trotting track in the stadium at Golden Gate Park. Certified check 10% payable to Board of Park Commissioners required with bid. Specifications obtainable from the secretary.

SANTA ROSA, Sonoma Co., Cal.—W. J. Meeker, Santa Rosa, submitted low bid at \$1,272.35 to F. P. Doyle, city clerk, for construction of a comfort station at Doyle Park. Contract will be awarded immediately.

OAKLAND, Cal.—Until July 1, 12 noon, bids will be received by W. W. Chappell, acting city clerk, to furnish brick as required by the city for the remainder of the fiscal year ending June 30, 1932. Bond of \$150 required of the successful bidder. Spec. obtainable from city clerk.

OAKLAND, Cal.—Until July 1, 12 noon, bids will be received by W. W. Chappell, acting city clerk, to furnish sewer pipe as required by the city for the remainder of the fiscal year ending June 30, 1932. Bond of \$700 re-

quired of the successful bidder. Spec. obtainable from city clerk.

OROVILLE, Butte Co., Cal.—Until July 17, 2 P. M., bids will be received by county supervisors to furnish and deliver 35,000 tons of crushed rock, gravel and sand for surfacing county roads. J. A. Baumgarner, county surveyor.

Bids Opened.
BRIDGE Cost, \$—
OAKLAND, Alameda Co., Cal. Structural steel frame for passenger bridge connecting two wings of building at Grove Street Pier, Inner Harbor.
Owner—City of Oakland (Port Commission), 424 Oakland Bank Bldg., Oakland.

Plans by Eng. Dept. of Owner.
Judson-Pacific Co., foot of Park Ave., Oakland.....\$ 765
California Steel Co., Oakland.....\$ 800
Moore Drydock Co., Oakland.....820
Golden Gate Iron Works, San Francisco.....880
Independent Iron Wks., Oakland, 1,045
Pacific Coast Eng. Co., Oakland.....1,049
Herrick Iron Works, Oakland.....1,084
Bids held under advisement.

Bids Opened.
ELEVATOR Cost, \$—
OAKLAND, Alameda Co., Cal. Furnish and install one electrically controlled passenger elevator at Grove Street Terminal.
Owner—City of Oakland (Port Commission), 424 Oakland Bank Bldg., Oakland.

Plans by Eng. Dept. of Owner.
Spencer Elevator Co., 166 7th St., San Francisco.....\$2,235
Otis Elevator Co., S. F.2,690
Pacific Elevator & Equip. Co., San Francisco2,765
Bids held under advisement.

Contracts Awarded.
OAKLAND, Alameda Co., Calif. NE McAuley and Telegraph Ave.
One-story brick creamery (hollow tile partitions, composition roof, concrete floors).

Owner—Edna Grant Shuey, 2738 Benvenue Ave., Berkeley.
Architect—Gwynne Officer, Hotel Claremont, Berkeley.
Grading and Excavation—F. E. Nelson 2444 Ashby Ave., Oakland.
Concrete—F. E. Nelson.
Brick and Tile—A. Hallert, 2500 65th Ave., Oakland.

Structural Steel & Miscellaneous Iron—Moore Drydock Co., foot of Adeline St., Oakland.

Roofing—Western Roofing Co., 24th & Poplar Sts., Oakland.

Plumbing—Carl T. Doell, 467 21st St., Oakland.

Sheet Metal—East Bay Sheet Metal Wks., 1101 Market St., Oakland.

Tiling—Rigney Tile Co., 3012 Harrison St., Oakland.

Plastering—Cronan & O'Connor.

Glass—Tyre Bros., 310 Webster St., Oakland.

Glazing of Metal Windows—Zouri Co., 1208 Howard St., San Francisco.

Electrical Work—California Elec. Co., 578 18th St., Oakland.

Mill Work—Clinton Lumber Co., 701 4th Ave., Oakland.

Lumber—Melrose Lumber Co., 1201 46th Ave., Oakland.

Painting and carpentry is to be done by the owners.

MISCELLANEOUS SUPPLIES AND MATERIALS

SAN FRANCISCO—Until July 13, 3 P. M., under Proposal No. 740, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and deliver artists' materials for School Department. Specifications obtainable from above office.

Engineering News Section

BRIDGES

MENDOCINO COUNTY, Cal.—A. T. Howe, Santa Rosa, at \$27,725 awarded contract by State Highway Commission to construct bridge over the Russian river two miles south of Ukiah, consisting of two 125-ft. timber truss spans and eight 19-ft. timber trestle spans and for grading and surfacing with bituminous treated crushed stone or gravel 170-ft. of roadway approach.

SAN LEANDRO, Alameda Co., Cal.—Bids will be asked about July 1 by the city trustees to construct steel and concrete bridge over San Leandro Creek in Park Street; will be 90 ft. long and 70 ft. wide with 10 ft. sidewalks on each side, the 60 ft. rdwy. to be divided for four lanes of traffic. Estimated cost \$35,000 of which the county will pay \$25,000. The city has already provided \$10,000 as its share of the cost from budget funds. W. A. Richmond is city manager of San Leandro and Geo. A. Posey, County Surveyor.

SACRAMENTO, Cal.—M. R. Petersen, 1160 O St., Sacramento, at \$4,687.88 submitted low bid to county supervisors on Proposition (a) creosoted Douglas Fir, to construct wooden bridge on Swanston Road over Chicken Ranch Slough. Rufus J. Bean at \$5,668.68 low for (b) redwood construction. Following is a complete list of bids received, all being taken under advisement until July 6:

M. R. Petersen	(a)	\$4,687
.....	(b)	5,000
Ralph Hunter	(a)	5,109
.....	(b)	5,770
John P. Hunt	(a)	5,159
.....	(b)	5,736
H. Finnigan	(a)	5,231
.....	(b)	6,348
C. F. Bender	(a)	5,286
.....	(b)	5,980
Rufus J. Bean	(a)	5,808
.....	(b)	5,606
Staniger and Eggers	(a)	5,291
.....	(b)	5,744
Geo. W. Kopp	(a)	5,457
.....	(b)	6,334
Holdener Const. Co.	(a)	5,541
.....	(b)	no bid
Gene Kenyon	(a)	5,919
.....	(b)	5,996
J. W. Hoopes	(a)	6,142
.....	(b)	6,761

SACRAMENTO, Cal.—Hearing will be held July 15 before the State Reclamation Board at Sacramento on the application of Sacramento and Sutter Counties and the Sacramento Northern railroad to construct a rail-auto bridge across the Sutter slough to tap the southern end of the rich Holland land district. Charles R. Deterding, county engineer, has been delegated by the Sacramento Board of Supervisors to represent the county at the hearing. Total cost of the bridge is expected to be approximately \$135,000, with the railroad paying half and the counties splitting the balance.

SACRAMENTO, Cal.—See "Streets and Highways," this issue. Construction of two bridges planned by county supervisors under a \$148,000 expenditure, which includes road improvements.

SANTA CLARA COUNTY, Cal.—A. J. Rausch, Bartlett Bldg., San Jose, and 46 Kearny St., San Francisco, at \$31,271 submitted low bid to State Highway Commission July 1 to construct reinforced concrete girder bridge over Coyote Creek at San Jose, consisting of six 34 ft. spans on concrete pile bents and concrete abutments and wing walls on pile foundations. Complete list of bids follow:

A. J. Rausch, San Jose	\$31,271
Neves & Harp, Santa Clara	32,977
Oberg Bros., Los Angeles	36,263
Bodenhamer Constr. Co., Oakland	37,178
A. W. Kitchen, S. F.	37,181
Peter McHugh, S. F.	37,795
M. B. McGowan, S. F.	38,214
John Doyle, San Jose	38,963
Healy-Tibbitts Constr. Co., San Francisco	39,284
Rocca & Caletti, San Rafael ..	41,798

DREDGING, HARBOR WORKS & EXCAVATIONS

VENTURA, Ventura Co., Cal.—City council and Ventura county supervisors have before them proposals to construct a recreation and yacht harbor. Plans call for a 1600-ft. breakwater enclosing about 60 acres of the bay. Other projects include a bath house, recreation center and an esplanade the length of the beach.

MONTEREY, Monterey Co., Cal.—U. S. Engineer Office, Customhouse, San Francisco, is completing plans for a breakwater at Monterey to extend out into the ocean for a distance of 1300 feet; estimated cost \$610,000 of which \$200,000 is now available. It is expected that a call for bids will be issued shortly.

SAN FRANCISCO — Pacific Coast Dredging Co., 112 Market St., at \$347 per cu. yd. submitted lowest bid to constructing Quartermaster, F. & T. Mason, for dredging at U. S. Army Transport Docks at Fort Mason, involving approximately 50,000 cu. yds. Only other bid submitted by American Dredging Co. at \$385 per cu. yd. Bids held under advisement.

LOS ANGELES, Cal.—E. C. Eaton, Los Angeles County Flood Control Engineer, has announced that the flood control department will expend approximately \$300,000 on improvements to the flood protection system of the county. The sections to be strengthened are located upon the Los Angeles and San Gabriel River channels, one in the neighborhood of Artesia on the San Gabriel Channel, and the other between Dayton Ave. and Fletcher Dr. on the Los Angeles River. Each project is expected to cost approximately \$150,000. This work will be completed during the remainder of the present year.

IRRIGATION PROJECTS

ARBUCKLE, Colusa Co., Cal.—D. S. Nelson, secretary, Arbuckle College City Irrigation District, is conferring with Fred H. Tibbitts, engineer, Alaska Commercial Bldg., San Francisco, regarding surveys for an irrigation district in the Arbuckle section to bring water to 10,000 acres for almonds and various fruits.

STREET LIGHTING SYSTEMS

SAN JOSE, Santa Clara Co., Cal.—Until July 13, 8 P. M., bids will be received by John J. Lynch, city clerk (5371) to install 20 San Jose Design Duplex Electroliters posts in Fourth St. bet. San Fernando St. and San Carlos St., together with underground system. 1911 Act. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Wm. Popp, city engineer.

MACHINERY AND EQUIPMENT

SACRAMENTO, Cal.—See "Government Work and Supplies," this issue. Bids wanted by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver one dragline bucket and for rental of one dragline bucket.

SEBASTOPOL, Sonoma Co., Cal.—Until July 16, 7:30 P. M., bids will be received by J. E. Bridgeford, clerk, Analy Union High School District, to furnish one school bus and one body to be built thereon to accommodate 30 to 32 passengers. Bids are to be accompanied by complete specifications both as to chassis and body. Further information obtainable from clerk.

FRESNO, Fresno Co., Cal.—Fresno Agricultural Works, Fresno, at \$1495 awarded contract by city council to furnish tractor for street department.

FRESNO, Fresno Co., Cal.—Moreland Motor Truck Sales Co., at \$2798 awarded contract by city council to furnish motor truck for street department.

COALINGA, Fresno Co., Cal.—Until July 15, 4 P. M., bids will be received by F. J. McCollum, Secretary, Coalinga Union High School District, 144 West Elm St., to furnish and deliver:

Item No. 1. BUSES.
Two (2) six-cylinder bus chassis, not less than 190-wheel base, pneumatic balloon tires of same size on all wheels, dual rear wheels, bidder to specify with and without booster brakes.

Item No. 2. BODIES.
Two (2) bus bodies for the above, seating capacity 35 high school passengers, body of coach type with rear door for emergency, said bodies to be of durable standard construction.

Item No. 3. BOOSTER BRAKES.
The supply and installation of booster brakes on five school buses, said buses already in service and the property of said high school district.

Certified check or bidder's bond 10% required with bid. Further information obtainable from secretary.

KINGSBURG, Fresno Co., Cal.—Until July 8, 8 P. M., bids will be received by A. E. Swanson, Clerk, Kingsburg Union High School District, to furnish two 36 to 42 passenger school buses, total cost not to exceed \$2350 each. Bids to include chassis and body and to be made with and without consideration of trade-in on two old Garford buses. Further information obtainable from clerk.

MADERA, Madera Co., Cal.—Until July 8, 8 P. M., bids will be received by C. M. Petty, clerk, Madera Union High School District, to furnish one Reo Model G. C. Three Ton School Bus Chassis, or its equal, specifications as follows: Chrome Nickle Motor Block; 4 speed transmission; double drop frame, with length to suit body builders; full floating rear axle; 36x3.25 Heavy Duty Buss Bulbion Tires, dual rear. General or Goodyear, optional. Brakes, four-wheel internal hydraulic. Emergency—External brake on transmission.

One 42 Passenger Lauritzen School Bus Body, or its equal, according to specifications on file with clerk of the Board, to be mounted on above chassis.

Further information obtainable from the clerk at the high school, Madera.

FRESNO, Fresno Co., Cal.—Until July 11, 9 P. M., bids will be received by J. A. Brown, Clerk, Central Union High School District, to furnish, completely installed, one bus body to replace that on district bus No. 10. Specifications obtainable from the clerk, Route 10, Box 175, Fresno.

PALO ALTO, Santa Clara Co., Cal.—Until July 9, 7:30 P. M., bids will be received by A. C. Barker, Secretary, Board of Education (Palo Alto City School District), 543 Channing Ave., to furnish motor driven school bus. Specifications obtainable from above.

YUBA CITY, Sutter Co., Cal.—Until July 13, 8 P. M., bids will be received by Alfred Nelson, clerk, Central-Gaither School District, to furnish one P & C School Coach mounted on Ford chassis complying with specifications of the district. Delivery not later than Sept. 1, 1931. Certified check 10% payable to district required with bid.

SUTTER, Sutter Co., Calif.—Until July 10, 2 P. M., bids will be received by Mrs. Evelyn Smith, clerk, Sutter Union High School District, to furnish one school bus body and one school bus chassis. Certified check of 10% payable to district required with bid. Specifications obtainable from Leo. A. Wadsworth, principal, at the high school in Sutter.

ELK GROVE, Sacramento Co., Cal.—Until July 11, 8 P. M., bids will be received by Alfred C. Dixon, clerk, Elk Grove Union Grammar School District, to furnish and deliver one 40- to 50-passenger (grammar school children) bus body. Certified check 10% payable to Board of Trustees of district required with bid. Further information obtainable from clerk.

ELK GROVE, Sacramento Co., Cal.—Until July 11, 8 P. M., bids will be received by Alfred C. Dixon, clerk, Elk Grove Union Grammar School District, to furnish and deliver one and one-half ton truck chassis for school bus. Certified check 10% payable to Board of Trustees of district required with bid. Further information obtainable from the clerk.

RAILROADS

OAKLAND, Cal.—Until July 6, 4:30 P. M., bids will be received by G. B. Hegardt, secretary, City Port Commission, 424 Oakland Bank Bldg., to construct spur track from Southern Pacific Line near First and Webster Sts. to Webster Street Pier; estimated cost \$1,000. Specifications obtainable from secretary.

FIRE EQUIPMENT

SUNNYVALE, Santa Clara Co., Cal.—Until July 6, 8 P. M., bids will be received by Ida Trauschneck, city clerk, to furnish and deliver 750 feet (and an alternate of 50-ft. lengths) of standard double jacket 2½-inch fire hose, guaranteed to stand 400 lbs. initial test pressure, with heavy duty couplings. Certified check 5% payable to Mayor required with bid.

LA MESA, San Diego Co., Calif.—Pioneer Rubber Mills, San Francisco, was awarded the contract by the La Mesa city council for furnishing 300 ft. 2½-in. western double jacket fire hose at 85 c. ft.; 300 ft. 1½-in. same at 60c. ft.

RESERVOIRS AND DAMS

SANTA BARBARA, Cal.—Johnson & Hanson, 215 W. De la Guerra St., submitted low bid to city council at \$13,372 to construct concrete reservoir and pumping plant substructure in Block 113. The work involves the furnishing of labor and materials for the construction of a 350,000-gallon circular reservoir of reinforced concrete, and the construction of the substructure for a pumping plant, and the installation of certain mechanical and electrical equipment, but not including the pumping equipment, pipe and fittings and electrical equipment. The other bids were: Franklin B. Gridley, \$15,272; H. E. Adams, \$15,475; D. H. McQuiddy, \$17,992; Byerts & Dunn, \$18,887.

SAN FRANCISCO—See article on page five of this issue. Bids wanted by City and County of San Francisco to construct Upper Alameda Creek Dam, located on the Upper Alameda Creek, approximately 10-miles south-east of Sunol; estimated cost \$75,000.

PIPE LINES, WELLS, ETC.

COALINGA, Fresno Co., Cal.—Until July 6, 5 P. M., bids will be received by E. J. McCroskey, city clerk, to drill water well at city property in Block No. 73 to a depth of approximately 260 feet. Said well to be of sufficient size to permit the insertion of 1½ inch screw casing to a depth of approximately 260 feet from the derrick floor.

Also: 260 feet of 1½ inch 70 lb. screw pipe.

Bids on drilling well and pipe may be made together or as separate proposals.

Certified check 10% required with bid. Specifications on file in office of clerk.

SANTA BARBARA, Cal.—Irvine Pipe Lines, Ltd., has applied to the Railroad Commission for authority to construct and operate an oil pipe line

from Oceano Ave and Cliff Drive in Santa Barbara, where Cliff Drive to La Positas Road in the county of Santa Barbara, along that road to Madera Road, thence west to state highway and along highway to a private road on the Bishop Ranch and thence south to the ocean beach, where connection is to be made with the Bank Line Oil Company's pipe line, a distance of approximately 66,000 ft. Applicant proposes to convey oil to a terminal at the ocean beach for delivery to Bank Line Oil Company. Permission is asked to issue and sell 400 shares of common capital stock at not less than \$20 per share to the public and to issue and sell to James Irvine 2000 shares of its capital stock, and also to issue and sell to the public its debentures or bonds in the sum of \$50,000 for the purpose of financing the project.

PALO ALTO, Santa Clara Co., Cal.—Winkinson & Co., Gilroy, at \$2153 awarded contract by supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, for drilling, developing and test deep well at the Veterans' Hospital Pumping Site No. 4 at Palo Alto.

LAS VEGAS, Nevada—Construction will be started at once by the Las Vegas Gas Co., Ltd., on a gas plant and distributing system.

SEWERS AND SEWAGE DISPOSAL PLANTS

SAN MATEO, San Mateo Co., Cal.—Until July 6, 8 P. M., bids will be received by E. W. Foster, city clerk, (31-6) to improve alleys in Block 8 of East San Mateo and in portions of the Bayshore Highway, involving construction of 6-in., 8-in., 10-in., 12-in. and 15-in. vitrified clay pipe sanitary sewers with wyes; brick manholes. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk.

OAKLAND, Cal.—W. J. Tobin, 527 Balfour Street, Oakland, at \$6,577.36 awarded contract by Menlo Park Sanitary District to construct sanitary sewers in portions of Hermosa Ave., Hobart Ave., etc., involving: 9,224 lin. ft. 6-in. vitrified clay pipe sewers; 246 six 6x4-in. wyes; 39 brick manholes with cast iron covers and frames.

SAN FRANCISCO—Until July 22, 12 noon, bids will be received by B. P. Lamb, secretary, Board of Park Commissioners, Park Lodge, Golden Gate Park, for resurfacing of Golden Gate Park Stadium race track with four inches of clay, with turns banked one inch rise to the foot, the consistency and quality of the clay to be used in this work to be approved by

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the Park Commission. Samples must accompany bids. Certified check 10% payable to Board of Park Commissioners required with bid. Further information obtainable from secretary.

SAN JOSE, Santa Clara Co., Cal.—City council declares intention to improve 19th St. bet. Mission St. and a point 341 feet north, involving construction of a vitrified sewer with wye branches, brick manholes, house laterals. 1911 Act. John J. Lynch, city clerk. Wm. Popp, city engineer.

PALO ALTO, Santa Clara Co., Cal.—City of Palo Alto and the Stanford University will be denied permission by the State Board of Health to run raw sewage into San Francisco Bay opposite Sand Point, according to reports. It is possible that a bond issue for approximately \$150,000 will be called to finance construction of a sewage disposal plant.

FRESNO, Fresno Co., Cal.—Until July 10, 11 A. M., bids will be received by H. S. Foster, city clerk, (112-D) to construct 6-inch vitrified sewer pipe manholes, drop manholes and drop connections in certain rights-of-way in Subdivision of Lot No. 7, Poppy Colony and in Block No. 7, Normal View. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Jean L. Vincenz, city engineer.

SAN FRANCISCO.—E. J. Treacy, Cal Bldg., at \$1,575 submitted low bid to Board of Public Works to construct sewer in Alemany Blvd., Section C, from San Jose Ave. to Palmetto St. See complete unit bid listing on page five of this issue.

WATER WORKS

TURLOCK, Stanislaus Co., Calif.—Until July 7, 8 P. M., bids will be received by A. P. Ferguson, city clerk for an addition to the remote control system for a pumping plant from a central point. Certified check 10%. Specifications on file in office of clerk. payable to city required with bid.

OAKLAND, Cal.—Until July 8, 8 P. M., bids will be received by John H. Kimball, Secretary, East Bay Municipal Utility District, 512 Sixteenth St., to furnish and deliver approximately 12,000 ft. of cast iron pipe of 16-inch diameter. Specifications obtainable from above.

LIVINGSTON, Merced Co., Cal.—Until July 10, 2 P. M., bids will be received by C. E. Reed, Secretary, Winton Cemetery District, to furnish and install galvanized iron pipes and fittings (American made) in quantities as provided in the specifications. W. E. Bedesen, engineer, Shaffer Bldg., Merced. Specifications obtainable from engineer. (Bids will be opened in the office of the Livingston Chronicle at Livingston).

SANTA BARBARA, Calif.—Wallace & Tiernan Co., 3923 W 6th St., Los Angeles, submitted low bid to city council at \$766 for furnishing 20-lb. semi-automatic solution feed chlorinator equal to Wallace & Tiernan Co.'s vacuum type with all necessary special fittings. Victor E. Trace, Water Supt. Chemical Equip. Corp. bid \$1450. The bids were taken under advisement.

STREETS AND HIGHWAYS

SAN BERNARDINO COUNTY, Cal.—Until July 6, 3 P. M., bids will be received by E. Q. Sullivan, division engineer, State Highway Commission, 247 Third St., San Bernardino, for

furnishing and applying heavy fuel oil to shoulders on 3.48 miles in San Bernardino County between Anderson St. and the Redlands city limits. Specifications obtainable from engineer.

SAN FRANCISCO—Until July 15, 2:30 P. M., bids will be received by S. J. Hester, Secretary, Board of Public Works, to improve west half of Hamilton St., between Bacon and Burrows Sts.; estimated cost \$3555. Project involves:

- (1) 2150 cu. yds. excavation;
- (2) 400 lin. ft. armored concrete curb;
- (3) 2100 sq. ft. 6-in. class "E" concrete pavement;
- (4) 5900 sq. ft. asphalt concrete pavement, consisting of 2-in. asphalt concrete surface on 6-inch class "F" concrete base.

OAKLAND, Cal.—Until July 14, 8:30 P. M., bids will be received by W. W. Chappell, acting city clerk, to improve Madrone Path and a portion of Masterson St., adjacent to Madrone Path, involving:

- (1) 210 cu. yds. fill;
 - (2) 1234 sq. ft. sidewalk;
 - (3) 228 ft. 15-in. reinf. pipe conduit.
- 1911 Act. City will pay 27½% of the cost from General Fund. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Walter N. Frickstad, city engineer.

YREKA, Siskiyou Co., Cal.—City Council (U. F. Brown, city clerk), declares intention (9C) to improve Center Street, Lane Street, intersections of Miner with Oregon and Fourth, Broadway, Gold Street, portions of Main adjacent to Broadway. Project involves:

- 131,662 sq. ft. surface grading;
- 47,374 lin. ft. concrete curb and gutter;
- 1894 lin. ft. concrete gutter;
- 200 lin. ft. corr. iron part circle culvert, 24-in. on concrete base;
- 100 lin. ft. corr. iron part circle culvert, 18-in. on concrete base;
- 1 concrete catchbasin, complete with frame and grate;
- 330 lin. ft. 15-in. diam. corr. iron pipe culvert in place;
- 1 concrete manhole Type C, complete with drop;
- 1 manhole (brick and concrete), type B, complete;
- 3 manholes (brick and concrete), type A, complete;
- 131,662 sq. ft. pavement, 5-7-in. hydraulic concrete with expansion joints every 50 ft., with joints in the center, all expansion joint material ½-in.;

2800 cu. yds. excavation;
4734 lin. ft. concrete curb;
City will pay \$6150 cash, balance under 1911 Act and Bond Act 1915.

RICHMOND, Contra Costa Co., Cal.—Henley-Moore, 344 High St., Oakland, at approximately \$100,000 awarded (private) contract to pave streets in the Metropolitan Square Tract. This work will be financed by owners of the tract.

ANTIOCH, Contra Costa Co., Cal.—Until July 13, 8 P. M., bids will be received by J. E. McElheney, town clerk, (53-a) to improve portions of Empire Ave., involving grading, hyd. conc. pave., curbs, gutters, culverts and drains, 4-in. vitrified clay pipe sanitary sewers, piping for domestic water supply system. 1911 Act. Bond Act 1915. Certified check 10% payable to town required with bid. Plans on file in office of clerk and obtainable from E. L. O'Hara, city engineer.

HUMBOLDT COUNTY, Cal.—Hemstreet & Bell, Marysville, at \$64,908 awarded contract by State Highway Commission to surface with bituminous treated gravel, 8.4 miles between Big Lagoon and Freshwater Lagoon.

SANTA BARBARA COUNTY, Cal.—As previously reported, bids will be received July 22 by State Highway Commission to construct 9.6 miles of crusher run borders between Gaviota Canyon and Tecolote Creek. Project involves:

- (1) 8150 tons crusher run borders;
- (2) 430 tons screenings;
- (3) 275 bbls. heavy fuel oil (prime cost);
- (4) 36 tons asphaltic road oil;
- (5) 510 stations finishing shoulders.

LAKE-COLUSA COUNTIES, Cal.—As previously reported, bids will be received July 22 by State Highway Commission to surface with gravel base, 12.3 miles between Abbott Mine and 12 miles west of Williams. Project involves:

- (1) 30,100 cu. yds. selected material sub-base;
- (2) 30,000 cu. yds. gravel base;
- (3) 3000 M. gals. water applied to sub-grade and base;
- (4) 1420 bbls. light fuel oil.

BUTTE COUNTY, Cal.—As previously reported, bids will be received July 22 by State Highway Commission to widen with bituminous treated crushed gravel or stone borders, 6.6 miles between Shasta Union School and 6 miles north. Project involves:

- (1) 6100 cu. yds. pit run gravel borders (base course);
- (2) 4400 tons bituminous treated crushed gravel or stone borders (surface course);
- (3) 2000 lin. ft. removing and resetting guard rail;
- (4) 350 stations finishing shoulders.

SAN JOSE, Santa Clara Co., Cal.—Granite Contracting Co., Watsonville, at \$5,040, only bidder, awarded contract by county supervisors for oiling and

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screenings on the Hecker Highway from Watsonville road to the county line. Surveyor's estimate, \$4,837.

SAN JOSE, Santa Clara Co., Cal.—A. J. Raich, Burrell Bldg., San Francisco, awarded contract by city council (5364) to improve Filomena Ave. from San Pedro St. to a point 402 ft. westerly and a portion of San Pedro St., involving grading, 1½-in. asphalt concrete surface pavement on 3-inch asphalt concrete base, cement concrete gutters, walks and inlets, 8-in. vit. pipe drains.

SAN FRANCISCO.—Until July 22, 12 noon, bids will be received by B. F. Lamb, secretary, Board of Park Commissioners, Park Lodge, Golden Gate Park, for resurfacing of Golden Gate Park Stadium race track with four inches of clay, with turns banked one inch rise to the foot, the consistency and quality of the clay to be used in this work to be approved by the Park Commission. Samples must accompany bids. Certified check 10% payable to Board of Park Commissioners required with bid. Further information obtainable from secretary.

BUTTE COUNTY, Cal.—Until July 22, 2 P. M., bids will be received by State Highway Commission to widen with bituminous treated crushed gravel or stone borders, 6.6 miles between Shasta Union School and 6 miles north.

LAKE-COLUSA COUNTIES, Cal.—Until July 22, 2 P. M., bids will be received by State Highway Commission to surface with gravel base, 12.3 miles between Abbott Mine and 12 miles west of Williams.

DEL NORTE COUNTY, Cal.—Until July 22, 2 P. M., bids will be received by State Highway Commission to grade and surface with untreated crushed gravel or stone, 5.1 miles between Crescent City and one-half mile east of Elk Valley.

HUMBOLDT COUNTY, Cal.—Until July 22, 2 P. M., bids will be received by State Highway Commission to improve highway between South Scotia Bridge and Fortuna, involving 10.2 miles grading; 1.5 miles to be surfaced with bituminous treated crushed gravel or stone and 8.7 miles to be widened with bituminous treated crushed gravel or stone borders.

SANTA BARBARA COUNTY, Cal.—Until July 22, 2 P. M., bids will be received by State Highway Commission to construct crusher run borders on 9.6 miles between Gaviota Canyon and Tecolote Creek.

COLUSA COUNTY, Calif.—Union Paving Co., Call Bldg., San Francisco, at \$124,506 awarded contract by State Highway Commission to grade and pave with cement concrete 4.1 miles south of Williams and Williams. Complete list of unit bids received on this project published in issue of June 23.

NEVADA COUNTY, Calif.—Tieslous Bros., 2819 Grove St., Berkeley, at \$104,164 awarded contract by State Highway Commission to surface with crusher run base and bituminous treated crushed gravel or stone (plant mix) 8.8 miles between Truckee and Hinton. Complete list of unit bids received on this project published in issue of June 19.

TRINITY-SHASTA COUNTIES, Cal.—Healey-Moore Co., 344 High Street, Oakland, at \$60,233 awarded contract by State Highway Commission for bituminous treated surface on 32 miles bet. Weaverville and Tower House. Complete list of unit bids received on

this project published in issue of June 22.

MONO COUNTY, Calif.—Southwest Paving Co., Washington Bldg., Los Angeles, at \$84,619 awarded contract by State Highway Commission to surface with crusher run base and bituminous treated crushed gravel or stone, 12.9 miles bet. Sonora Junction and 4 miles south of Colville. Complete list of unit bids received on this project published in issue of June 13.

SAN FRANCISCO.—Until July 8, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, for grading and surfacing the Mather Hetch Hetchy Road. This work is necessary on the part of the city to fulfill obligation of the Raker Act in connection with the Hetch Hetchy Water Project and for which the supervisors have appropriated \$250,000. Project involves:

- (1) 12,000 cu. yds. common excav.;
- (2) 6,000 cu. yds. do from borrow;
- (3) 3,500 cu. yds. solid rock excav.;
- (4) 800 cu. yds. excav. for struc.;
- (5) 20 cu. yds. concrete excav.;
- (6) 2,500 lin. ft. reinforcing steel;
- (7) 100 lin. ft. 12-in. corrugated metal pipe culverts;
- (8) 500 cu. yds. cement rubble masonry;
- (9) 3,000 lin. ft. masonry guard rail with stone curb.

Alternate
(10) 3,000 lin. ft. masonry guard rail with concrete curb;
(11) 14,500 cu. yds. crusher run base.

PROPOSITION A
Alternate to Prop. B
(12) 680 barrels fuel oil;
(13) 165 tons asphaltic road oil;
(14) 2,900 cu. yds. screening;
(15) 540 cu. yds. supplemental screenings.

PROPOSITION B
Alternate to Prop. A
(16) 85,500 gals. emulsified asphalt;
(17) 1,700 cu. yds. base rock;
(18) 1,250 cu. yds. screenings.

Time for completion 150 days. Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineering, 3rd floor, City Hall, on deposit of \$10, returnable.

OAKLAND, Cal.—City council declares intention to improve portions of Brann St. and 64th Ave., involving grade; curbs; gutters; walks; conduits and storm water inlets. 1911 Act. City will pay 9½% of the total cost from the General Fund. Hearing July 14. W. W. Chickadd, acting city clerk. Walter N. Frickstad, city engineer.

SACRAMENTO, Calif.—County supervisors authorized preparation of plans to improve six main county arteries, including the construction of a new bridge over the American River on the Fair Oaks Boulevard, involving an expenditure of \$148,000. The sum of \$100,000 has been tentatively set aside for the widening of Fair Oaks Boulevard and the construction of a new bridge across the American River. Other improvements will include shoulders on the Fair Oaks Blvd., surfacing Jackson road to cost \$5,000; surfacing Lower Stockton road and construction of a concrete bridge, \$20,000, this unit starting from the Sacramento city limits and going to Franklin; widen, surface and construct shoulders on Freepoint Blvd., \$15,000; shoulders on the road from Florin to Upper Stockton road, \$4,000; repair surface on road from Elk Grove to old Elk Grove, \$5,000. Chas. Deterding, Jr., is county road engineer.

SAN RAFAEL, Marin Co., Cal.—Roca & Caletti, San Rafael, at \$7,100 awarded contract by Board of Education to improve high school grounds. Complete list of bids follows:
Roca & Caletti, San Rafael \$7,100.95
Granfield, Farrar & Carlin, San Francisco 8,307.35
Frank Caffer, San Rafael 8,502.74
Handerlin & Goffen 9,971.93
Louis Lambretti, San Rafael 19,551.97
Carl N. Chittenden, Napa 11,277.45
Highway Builders, Inc., San Anselmo 11,355.73

OROVILLE, Butte Co., Calif.—Until July 17, 2 P. M., bids will be received by county supervisors to furnish and deliver 35,000 tons of crushed rock, gravel and sand for surfacing county roads. J. A. Baumgarner, county surveyor.

BERKELEY, Alameda Co., Cal.—City Council declares intention (659) to improve Oxford St., from west extension to Hearst Ave. east of Oxford St., north to Rose St. and Rose St., from north extension to Shattuck Ave. to Spruce St., and Spruce St. from Rose St. to northeast city limits, involving:

- (1) 466,200 sq. ft. grading;
- (2) 1,700 cu. yds. cut in sidewalk area;
- (3) 200 cu. yds. grading below subgrade;
- (4) 200 cu. yds. old rock in subgrade;
- (5) 469,500 sq. ft. rock cushion, 4" thick;
- (6) 200 cu. yds. rock cushion;
- (7) 439,150 sq. ft. paving 7" cement concrete;
- (8) 11,250 lin. ft. curb and gutter, type "A";
- (9) 11,590 lin. ft. curb and gutter, type "B";
- (10) 1,715 lin. ft. curb and gutter, type "C";
- (11) 43,200 sq. ft. sidewalks, concrete;
- (12) 11,100 sq. ft. driveways, conc.;
- (13) 4,800 sq. ft. re-macadamizing;
- (14) 330 lin. ft. tile drain, 4";
- (15) 945 lin. ft. corrugated perforated iron pipe, lateral 4";
- (16) 1,070 lin. ft. sewers, 8";
- (17) 2,940 lin. ft. sewers, 6";
- (18) 770 lin. ft. sewers, 8";
- (19) 432 lin. ft. sewers, 10";
- (20) 78 lin. ft. sewers, 12";
- (21) 748 lin. ft. sewers, 15";
- (22) 230 lin. ft. sewers, 18";
- (23) 844 lin. ft. sewers, 21";
- (24) 1,356 lin. ft. sewer, 24";
- (25) 39 manholes;
- (26) 4 manholes reconstructed;
- (27) 9 handholes;
- (28) 340 lin. ft. culverts, Type "A";
- (29) 120 lin. ft. culverts Type "B";
- (30) 140 lin. ft. culverts Type "C";
- (31) 150 lin. ft. culverts, 7" pipe;
- (32) 14 catchbasins Type (1);
- (33) 1 catchbasin, Type (2);
- (34) 4 catchbasins, Type (4);
- (35) 2 catchbasins reconstructed.

Type (1):
(36) 2 catchbasins reconstructed.
Type (3):
(37) 2 curb inlets;
(38) 100 sq. ft. concrete steps;
(39) 100 sq. ft. stone steps;
(40) 276 disconnection of old water services;

(41) 276 new connection to old water services;
(42) 118 new water services.
1911 Act and Bond Act 1913. Hearing July 7. City will pay \$31,200 of the total cost from the city treasury general fund and an additional \$32,200 from the Trust Fund known as the Spruce St. Improvement Fund. Florence E. Turner is city clerk. Harry Goodridge, city engineer.

CALAVERAS COUNTY, Cal.—Following bids received June 30 by R. E. Pierce, district engineer, State Highway Commission, Sacramento, to sur-

face with bituminous treated crushed gravel or stone 2 1/2 inches in length between 1 1/4 miles north of Calaveritas Creek and 1 1/4 miles south of Calaveritas Creek.

George French, Jr., Stockton.....\$11,241
W. J. Smith, Berkeley.....12,437
C. E. Reed, Tracy.....13,177
A. Tschert & Son, Sacramento 13,708

DEL. NORTH COUNTY, Cal. — As previously reported, bids will be received July 22, by State Highway Commission for 5 1/4 miles of grading and surfacing with untreated crushed gravel or stone, between Chesebunt City and one-half mile east of Elk Valley. Project involves:

- (1) 52 each, stumps removed and disposed of;
- (2) 222,000 cu. yds. roadway excav. without class;
- (3) 2,470,000 sta. yds. overhaul;
- (4) 850 cu. yds. structure excavation;
- (5) 45 cu. yds. class A Portland cement concrete (structures);
- (6) 1700 lbs. bar reinf. steel (structures);
- (7) 7300 cu. yds. screened gravel (base);
- (8) 8000 cu. yds. untreated crushed gravel or stone surfacing;
- (9) 1500 cu. yds. binder;
- (10) 1120 M. gals. water applied to base and surfacing;
- (11) 532 lin. ft. 12-in. corr. metal pipe
- (12) 1408 lin. ft. 18-in. corr. metal pipe
- (13) 438 lin. ft. 24-in. corr. metal pipe
- (14) 638 lin. ft. 30-in. corr. metal pipe
- (15) 250 lin. ft. 36-in. corr. metal pipe
- (16) 64 lin. ft. 48-in. corr. metal pipe
- (17) 58 lin. ft. 60-in. corr. metal pipe
- (18) 268 stations finishing roadway;
- (19) 63 each, monuments complete in place.

State will furnish corrugated metal pipe and cast steel frames and covers for drop inlets.

HUMBOLDT COUNTY, Cal. — As previously reported, bids will be received July 22 by State Highway Commission to improve 10.2 miles between South Scotia Bridge and Fortuna, 10.2 miles to be graded; 1.5 miles to be surfaced with bituminous treated crushed gravel or stone; and 8.7 miles to be widened with bituminous treated crushed gravel or stone borders. Project involves:

- (1) 121 each, stumps grubbed, removed and disposed of;
- (2) 24 each, stumps cut and disposed of;
- (3) 41 each, trees removed and disposed of;
- (4) 83,730 cu. yds. roadway excavation without class;
- (5) 21,390 cu. yds. imported borrow;
- (6) 586,500 sta. yds. overhaul;
- (7) 2165 cu. yds. structure excavation;
- (8) 265 cu. yds. class A Portland cement concrete (structures);
- (9) 19,450 lbs. bar reinf. steel (struc.);
- (10) 10,000 tons crushed gravel or stone (bituminous treated surfacing and borders);
- (11) 500 tons cutback asphalt;
- (12) 12,625 tons untreated crushed gravel or stone (surfacing and borders);
- (13) 800 tons screenings in stockpiles;
- (14) 635 M. gallons water applied to subgrade and surfacing;
- (15) 2164 lin. ft. 12-in. corr. metal pipe
- (16) 54 lin. ft. 15-in. corr. metal pipe
- (17) 406 lin. ft. 18-in. corr. metal pipe
- (18) 246 lin. ft. 24-in. corr. metal pipe
- (19) 132 lin. ft. 30-in. corr. metal pipe
- (20) 150 lin. ft. 8-in. perforated metal pipe underdrains;
- (21) 99 lin. ft. corr. metal pipe (clean and relay);
- (22) 73 each, move and reset concr. headwalls;
- (23) 2712 lin. ft. laminated timber guard rail;
- (24) 790 cu. yds. concrete removed from existing pavement;

- (25) 540 stations finishing roadway;
- (26) 72 each, monuments complete in place.

State will furnish corrugated metal pipe and cast steel frames and covers for drop inlets.

IMPERIAL COUNTY, Cal. — R. E. Hazard Contracting Co., 2508 Kettner Blvd., San Diego, at \$135,587 submitted low bid July 1 to State Highway Commission to construct oil treated crushed gravel or stone borders on 43.2 miles between Dixie and Holtville and between El Centro and 4 miles west of Westmoreland. Following is complete list of bids received:

R. E. Hazard Contracting Co., San Diego.....\$135,587
Geo. Herz & Co., San Bernardino.....138,137
Steele Finley, Santa Ana.....141,912
Griffith Co., Los Angeles.....150,356
Southwest Paving Co., L. A.....158,652
Oswald Bros., Los Angeles.....160,892
F. W. Nightbert, Bakersfield.....162,765

OAKLAND, Cal. — Until July 6, 4:30 P. M., bids will be received by G. B. Hegardt, secretary, City Port Commission, 424 Oakland Bank Bldg., for paving deck of Inland Waterways Pier and portions of Webster street adjacent to the pier, involving:

- (a) 26,000 sq. ft. 1 1/2-in. black-top paving;
- (b) 6,000 sq. ft. 10-in. oil macadam paving.

Specifications obtainable from Secretary.

SAN BERNARDINO COUNTY, Cal. — H. W. Rohl Co., 727 W-Seventh St., Los Angeles, at \$363,869, submitted low bid July 1 to State Highway Commission to grade and surface with oil treated crushed gravel or stone, 23.7 miles between 6 miles west of Baker and Halloran Summit. Following is complete list of bids received:

H. W. Rohl Co., Los Angeles.....\$363,869
Geo. Herz & Co., San Bernardino.....390,840
Morrison-Knudsen Co., Boise, Idaho.....395,086
McCray Co., Los Angeles.....406,231
Chas. Heuser, Glendale.....410,065
Gibbons & Reed, Burbank.....415,955
Peninsula Paving Co., S. F.....419,488
Southwest Paving Co., L. A.....423,362
Lang Transportation Co., Los Angeles.....441,007
New Mexico Constr. Co., Albuquerque, N. M.....462,029
Healy - Tibbitts Constr. Co., San Francisco.....462,749
Isbell Constr. Co., Carson City, Nevada.....494,487

BERKELEY, Alameda Co., Calif. — Until July 16, 11 A. M., bids will be received by the Regents of the University of California, California Hall, University Camp 5, Berkeley, for widening Fulton Street and Bancroft Way on the Campus. Approximately \$30,000 will be expended in this work. Plans obtainable from Cashier's Window, California Hall, Berkeley, on deposit of \$50, returnable.

MENDOCINO COUNTY, Cal. — Peter McHugh, 300 Valdez Ave., San Francisco, at \$67,631 awarded contract by State Highway Commission to grade and surface with screened gravel and construct timber bridge on 2.3 miles between Dry Creek Bridge and Christine. Complete list of unit bids on this project published in issue of June 30.

NEVADA-PLACER COUNTIES, Cal. — C. W. Wood, Stockton, at \$66,380 awarded contract by State Highway Commission for bituminous treated surface on 20 miles between Airport and Soda Springs. Complete list of unit bids received on this project published in issue of June 30.

MARYSVILLE, Yuba Co., Cal. — Until July 13, 8 P. M., bids will be received by Chester O. Gates, city clerk, (39) to improve portions of 13th St., Ramirez St., 12th, Yuba, and 9th Sts., involving construction of concrete curbs, gutters, 6-in. gutter drains with c. i. covers; wooden box culverts; 6-in. conc. sewer pipe. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk.

KERN COUNTY, Cal. — Oilfield Truck Co., Ltd., Taft, at \$2.33 per bbl. submitted low bid to District Engineer, State Highway Commission, Fresno, for treating with heavy fuel oil, 30.6 miles between Democrat Springs and the Weldon Road.

SAN FRANCISCO — Bureau of Engineering, Department of Pub. Works 3rd floor, City Hall, completes specifications to improve crossings at Gavin St. and Merrill and Gavin St. bet. Barnewald to Merrill (where not already improved); estimated cost \$2,450. Project involves:

- (1) 400 cu. yds. cut;
- (2) 163 lin. ft. armored concrete curb.
- (3) 80 lin. ft. 6-in. V.C.P. side sewer.
- (4) 284 sq. ft. 1-course concrete sidewalk.
- (5) 3 brick catchbasins;
- (6) 90 lin. ft. 10-in. V.C.P. culverts.
- (7) 25 lin. ft. 12-in. V.C.P. culverts.
- (8) 4,686 sq. ft. asphalt concrete pavement, 2-inch asphalt concrete wearing surface on 6-in. Class "F" concrete base.

SAN FRANCISCO — Bureau of Engineering, Department of Public Works 3rd floor, City Hall, completes specifications to improve Vienna St. bet. Silver and Excelsior Aves., (where not already improved); estimated cost \$600. Project involves:

- (1) 10 lin. ft. armored concrete curb.
- (2) 45 lin. ft. 6-in. V.C.P. side sewer.
- (3) 738 sq. ft. 6-in. Class "E" concrete pavement.
- (4) 748 sq. ft. asphalt concrete pavement, consisting of 1 1/2-in. asphalt conc. surface on 6-in. Class "F" concrete base.

SAN FRANCISCO — Until July 15, 2:30 P. M., bids will be received by S. J. Hester, Secretary, Board of Public Works, to improve Junipero Serra Boulevard adjacent to Stanley Street; estimated cost, \$1,400. Project involves:

- (1) 1,800 cu. yds. excavation.
- (2) 2,300 sq. ft. 1-course concrete sidewalks.
- (3) 3,000 sq. ft. Ice Plant to be planted and cared for for 90 days.
- (4) 255 lin. ft. 1 1/2-in. galvanized iron water pipe.
- (5) 40 lin. ft. 6-in. V.C.P. side sewer.

Certified check 10% payable to the Clerk of Board of Supervisors required with bid. Plans obtainable from Bureau of Engineering, 3rd floor, City Hall.

OAKLAND, Cal. — American Smelting & Refining Co., 201 First St., San Francisco, submitted low bid at \$1,516 to East Bay Municipal Utility District to furnish 20 tons of copper sulphate. Only other bid was submitted by Mountain Copper Co., San Francisco, at \$1580.

Contracts Awarded Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
944	Bothin	Siegrist	2000
945	Texas	Owner	3000
946	Smith	Owner	3500
947	Scoccia	Owner	4500
948	Savage	Owner	3750
949	Schoensteen	Nielson	1500
950	Peters	Carson	1200
951	Lesser	Barrett	3000
952	Besie	Owner	8000
953	Johnson	Owner	3500
954	Savage	Owner	7500
958	Holland	Callaghan	1325
959	Trasl	Owner	3500
960	Jackson	Owner	8000
961	Carlson	Doelger	4950
962	Grasse	Owner	3500
963	Castle	Herzig	5000
964	Castle	Herzig	4500
965	Svenson	Owner	4000
955	Stoneson	Owner	4000
956	Excelsior	Owner	5000
957	Peterson	Owner	4000
966	Stewart	De Velbiss	1389
967	Brisene	Owner	3000
968	Van Huesen	Moffat	1500
969	Standard	Owner	10500
970	Golden	Owner	1000
971	Jamieson	Doelger	4950
972	Christensen	Owner	4000
973	Dahl	Gott	3300
974	Holden	Owner	4500
975	Hebrew	MacDonald	2000

REPAIRS

(944) 42 FREMONT ST.; repair fire damage.
Owner—Bothin Real Estate Co., 604 Mission Street.
Architect—Not Given.
Contractor—F. R. Siegrist, 604 Mission St. \$2000

SERVICE STATION

(945) NE BAKER and Hayes Sts.; one-story class C service station.
Owner—The Texas Co., 929 S Broadway, Los Angeles.
Plans by Owner. \$3000

DWELLING

(946) E EUREKA 85 N 22nd St.; one-story and basement frame dwelling.
Owner—J. R. Smith, 1262 Page St.
Architect—Not Given. \$3500

FLATS

(947) N SILVER 50 E Congdon; 2-story, basement and subbasement frame (2) flats.
Owner—C. and M. Scoccia, 261 Arkansas Street.
Architect—G. A. Berger, 309 Valencia Street. \$4500

DWELLING

(948) N SHIELDS 50 E Victoria; one-story and basement frame dwelling.
Owner—W. A. Savage, 624 Urbano Dr.
Architect—Not Given. \$3750

ALTERATIONS

(949) 1096 RHODE ISLAND; alterations and additions to dwelling.
Owner—L. J. Schoensteln, 1036 Rhode Island St.
Plans by J. Nielsen, 1392 A Hampshire St.
Contractor—Nielsen Bros. \$1500

ALTERATIONS

(950) 2025 BALBOA ST.; alterations to stores.
Owner—H. Peters, Pacific Bldg.
Plans by Builder.
Contractor—O. Carson, 397 Haight St. \$1200

ALTERATIONS

(951) 751 MARKET ST.; alterations for offices.
Owner—M. M. Lesser, 377 Market St.
Architect—Pacific States Auxiliary, 745 Market Street.
Contractor—Barrett & Hilp, 918 Harrison St. \$3000

DWELLINGS

(952) E ROUSSEAU 50 N Cayuga; two 1-story and basement frame dwellings.
Owner—L. Besio, 534 Edinburgh St.
Plans by Owner. each \$4000

DWELLING

(953) W 37th AVE. 108 S Anza; one-story and basement frame dwelling.
Owner—P. P. Johnson, 225 Lincoln Way.
Plans by Owner. \$3500

FLATS

(954) S IRVING ST. 32 W 31st Ave.; two-story and basement frame (2) flats.
Owner—W. A. Savage, 624 Urbano Dr.
Architect—H. C. Baumann, 251 Kearney Street. \$7500

DWELLING

(955) SW CASA 133 NW Retiro. One-story and basement frame dwelling.
Owner—Stoneson Bros. and Thorinsson, 279 Yerba Buena Ave., San Francisco.
Architect—Not Given. \$4000

ALTERATIONS

(956) E MISSION bet. Brazil and Persia Aves. Alter theatre.
Owner—Excelsior Amusement Co., 25 Taylor St., San Francisco.
Architect—F. H. Meyer, 525 Market St., San Francisco. \$50,000

DWELLING

(957) E PRAGUE ST. cor. Geneva; one-story and basement frame dwelling.
Owner and Builder—H. W. Peterson, 912 Geneva Avenue.
Architect—Not Given. \$4000

ALTERATIONS

(958) 2211 MISSION ST.; alterations to store.
Owner—P. Holland, 1542 Page St.
Architect—Not Given.
Contractor—J. Callaghan, 900 Clayton Street. \$1925

DWELLING

(959) NW NAIL'S 175 NE Brazil; one-story and basement frame dwelling.
Owner—A. A. Trasl, 26 Spaulding St.
Plans by Owner. \$3500

FLATS

(960) E COLLINGWOOD 100 N 21st St.; 2-story and basement frame (2) flats.
Owner—Mr. and Mrs. J. R. Jackson, 441 Jones St.
Architect—R. R. Irvine, 747 Call Bldg. \$8000

DWELLING

(961) E 14th AVE. 150 S Ulloa; two-story and basement frame dwelling.
Owner—Mr. and Mrs. E. A. Carlsen, 44 Cumberland.
Plans by B. K. Dobkowitz, 425 Monteville Blvd.
Contractor—H. Doelger, 300 Judah St. \$4950

DWELLING

(962) E THIRD ST. 80 N Shafter; two-story and basement frame dwelling with store.
Owner—N. Grasse, 5147 Third St.
Architect—Not Given. \$3500

DWELLING

(963) W APTOS 150 N Ocean; one-story and basement frame dwelling.
Owner—Castle Bldg. Co., 218 Castenada.
Plans by D. E. Jaekle, Call Bldg.
Contractor—A. J. Herzig, 635 Victoria. \$5000

DWELLING

(964) W APTOS 200 N Ocean; one-story and basement frame dwelling.
Owner—Castle Bldg. Co., 218 Castenada.
Plans by D. E. Jaekle, Call Bldg.
Contractor—A. J. Herzig, 635 Victoria. \$4500

DWELLING

(965) E ELK 190 N Chenery; one-story and basement frame dwelling.
Owner—O. T. Svenson, 336 Clementina St.
Architect—Not Given. \$4000

REPAIRS

(966) 966 MISSION ST.; repair fire damage.
Owner—G. A. Stewart, 110 7th Ave.
Architect—Not Given.
Contractor—C. De Velbiss, 369 Pine Street. \$1389

DWELLING

(967) N RAYMOND 150 E Delta; one-story and basement frame dwelling.
Owner—A. Brisene, 257 Arleta Ave.
Architect—Not Given. \$3000

REPAIRS

(968) 1201 EIGHTH AVE.; repair fire damage.

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - California

Owner—F. L. Van Huesen, 1201 8th Avenue.
 Architect—Not Given.
 Contractor—G. L. Moffat, 2635 Green Street. \$1600

DWELLINGS
 6890 E 21st AVENUE 150 S Rivera; three 1-story and basement frame dwellings.

Owner—Standard Bldg. Co., 218 Castaneda.
 Plans by Owner. each \$3500

ALTERATIONS
 (970) 2065 TURK ST.; alterations to flats.
 Owner—Mrs. E. Golden, 848 Lyon St.
 Plans by Owner. \$1000

DWELLING
 (971) E 14th AVE. 175 S Ulloa; two-story and basement frame dwelling.

Owners—Mr. and Mrs. H. F. Jamieson, 42 Cumberland St.
 Plans by B. K. Dobkowitz, 425 Monterey Blvd.
 Contractor—H. Doelger, 300 Judah St. \$4950

DWELLING
 (972) E 22nd AVE. 285 S Irving St.; one-story and basement frame dwelling.
 Owner—H. Christensen, 1422 27th Ave.
 Plans by Owner. \$4000

ALTERATIONS
 (973) 55 BOYCE ST.; alterations to dwelling.
 Owner—J. Dahl, 55 Boyce St.
 Architect—Not Given.
 Contractor—W. L. Gott, 683 3rd Ave. \$3300

STORES
 (974) N JUDAH ST. 57 E 29th Ave.; one-story frame (3) stores.
 Owner—St. George Holden, 2901 Russ Building.
 Architect—C. F. Strothoff, 2274 15th Street. \$4500

RETAINING WALL
 (975) N OCEAN AVE. near Aptos; retaining wall.
 Owner—Hebrew Orphanage, Ocean Ave. near Aptos.
 Plans by Builder.
 Contractor—MacDonald & Kahn, Financial Center Bldg. \$2000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
132	Dahl	Gott	3300
133	Mt. Zion	Mattock	7000
133	Silvestri	Jandgren	
135	Seiler	Weiner	3995
137	Gorlinski	Hansell	650
138	Laundries	Barrett	37275

ALTERATIONS
 (132) 55 BOYCE ST.; alterations and remodeling.
 Owner—J. and A. E. Dahl, premises.
 Architect—Not Given.
 Contractor—W. L. Gott, 1050 Fell St.
 Filed and Dated June 25, 1931.
 Frame up \$825
 Plastered 825
 Completed 825
 Usual 35 days 825
TOTAL COST, \$3300
 Limit, 61 days.

FLAT
 (133) W WEBSTER ST. 100 N North Point St. N 25 x W 100; all work for 2-story and basement flat.
 Owner—William and Mildred Silvestri.
 Architect—Not Given.
 Contractor—Albin C. Lindgren, 64 Ramona Street.

Filed June 26, '31. Dated June 17, '31.
 Roof shunting on \$186 75
 Brown coated 186 75
 Completed 186 75
 Usual 35 days 186 75
 Deed of trust 3000.00

TOTAL COST,
 Forfeit, \$1 per day. Limit, 90 days.

ALTERATIONS
 (134) NW 100th and SCOTT STS.
 All work except plumbing, heating and electrical work for alterations to hospital building.
 Owner—Mt. Zion Hospital Association
 Engineer—P. L. Bush, 2601 Broadway, San Francisco.
 Contractor—A. F. and C. W. Mattock, 212 Clara St., San Francisco.
 Filed June 26, '31. Dated June 25, '31.
 1/2 work completed \$2625
 All work completed 2625
 36 days after 1750
TOTAL COST, \$7000
 Bond, none. Limit, 70 days. Forfeit, none. Plans only filed.

DWELLING
 (136) NEXT DOOR to 167 Randal St.; all work for 6-room dwelling.
 Owner—F. G. Seiler.
 Architect—Not Given.
 Contractor—M. I. Weiner.
 Filed June 29, '31. Dated June 27, '31.
 Frame up \$800
 Brown Plastered 800
 Finish plastered 800
 Completion 800
 Usual 35 days 759
TOTAL COST, \$3995
 Limit, 90 days.

ALTERATIONS
 (137) 1922 PIERCE Street; jack-up bldg., used brick foundation, replace wood steps, buttresses, walls bulkheads and general alterations.
 Owner—F. La Gorlinski.
 Architect—Not Given.
 Contractor—Geo. H. Hansell, 506 29th Avenue.
 Filed and Dated June 29, 1931.
 On completion \$650
TOTAL COST, \$650
 Limit, 30 days.

SERVICE BLDG.
 (138) N HERON 105 E 8th E 100 x N 69; all work for a reinforced concrete service building.
 Owner—Amalgamated Laundries.
 Architect—Samuel Lightner, Hyman & Appleton, 68 Post St.
 Contractor—Barrett & Hilp, 918 Harrison Street.
 Filed June 30, '31. Dated June 26, '31.
 Fifth of each month 75%
 Usual 35 days 25%
TOTAL COST, \$37,275
 Bond, \$18,638. Sureties, Albert Lachman and I. D. Rappin. Limit, 60 days. Plans and Spec. filed.

BUNGALOW
 (139) E 14th AVE. 175 S Ulloa St. S 25 x E 120; all work for six-room airplane bungalow.
 Owners—H. F. and Violet M. Jamieson, 43 Cumberland St.
 Architect—D. K. Dobkowitz, 425 Monterey Blvd.
 Contractor—Henry Doelger, 300 Judah Street.
 Filed July 1, '31. Dated June 27, '31.
 Roof on \$ 900
 Brown coated 900
 Completed 900
 Usual 35 days 900
 Deed of Trust for 1400
TOTAL COST, \$5000
 Limit, 90 days.

COMPLETION NOTICES

San Francisco County

Recorded	Accepted
June 27, 1931—NW DOUGLAS and 21st. M A Spellman to whom it may concern.....	June 25, 1931

June 27, 1931—W 16th AVE 300 S Quintana S 25 x W 120. E A Anderson to whom it may concern..... June 27, 1931

June 27, 1931—SE NEWHALL ST 150 SW Revere Ave SW 50 x SE 100 NE 25 SE 25 NE 25 NW 125. Chas H and E McTernan to The Ruegg Co..... June 25, 1931

June 26, 1931—S DARIEN WAY about 165-10 E Manor Drive 35-10 x 90, 830 Darien Way. Vincent R Lagunas and S Larsen to whom it may concern..... June 4, 1931

July 26, 1931—W ALPHA 75 South Teddy Ave. 218 Alpha; W Alpha 50 S Teddy Ave. 212 Alpha. A M Samuelson to whom it may concern..... June 22, 1931

June 25, 1931 — W NINETEENTH AVE 198 N California 52x120. A H Stein and Philip Krieg to whom it may concern..... June 24, 1931

June 25, 1931—E FORTY-FIRST AV 277-3 S Clement S 120. Cutler & Co to Henry Doelger..... June 15, 1931

June 25, 1931—SE MARKET 150-1 1/4 NE Seventh SE 165-1 NW 150-1 1/4 NE 75 NW 165-1 SW 75. Feature Theatre Co, Ltd to H I Beller Constr Co, Ltd; Hub Electric Co; The Mexboro Co and Robert E Powers Studios..... June 15, 1931

June 25, 1931—N PARK 210 Andover 25x100. Thos and K Flutz to whom it may concern..... June 24, 1931

June 24, 1931—W 16th AVE 250 N Rivera N 25 x W 120. Wm W Sanders and Bertel Anderson to whom it may concern..... June 24, 1931

June 24, 1931—E 26th AVE 100 N Santiago 25x120. N W Anderson to whom it may concern..... June 19, 1931

June 24, 1931—E 34th AVE 100 and 125 S Judah 25x120 (two completions). J Beck and R Allison to whom it may concern..... June 23, 1931

June 24, 1931—LOTS 12 and 13 Blk 2901E Sub 4 Miraloma Park; lot 3 blk 2945A Sub No 5 Miraloma Park; SE 20-6 of lot 2 and lots 4, 5, and 6 blk 2972 Sub No 1, Miraloma Park. Meyer Bros to whom it may concern..... June 22, 1931

June 24, 1931—W FUNSTON AVE 161-8 S Santiago S 30-6 x W 120 N 30-10 x E 120. C Ingerman to whom it may concern..... June 24, 1931

June 24, 1931—W 16th AVE 275 N Wawona St 25x120. G J Elkington & Sons to whom it may concern..... June 29, 1931

June 29, 1931—SW CALIFORNIA & Grant Ave S 68-9 x W 100. H H Mac Vine to whom it may concern..... June 29, 1931

June 29, 1931—LOT 28 BLK 12, Amended map Ingleside Terraces. E C Gearon to Realty Const Co, Ltd..... June 22, 1931

June 29, 1931—N ULLOA 82-6 East 23rd Ave 25x100. P Andersen to whom it may concern..... June 29, 1931

June 29, 1931—S WASHINGTON 242-4% E Arguello Blvd E 28-5 1/2 x S 127-8 1/4. Edgar H and Mary Howell to J Harold Johnson..... June 20, 1931

June 29, 1931—NE NORTH POINT and Broderick N 62-6 x E 85. D C Robinson and W H Johnston to whom it may concern..... June 27, 1931

June 29, 1931—181 RAE AVE. Andrew Nan to Wm T Hummer..... June 29, 1931

June 29, 1931—E 32nd Ave 25 and 50 S Rivera. Thomas J Sullivan to whom it may concern..... June 28, 1931

June 29, 1931—E 26th AVE 150 S Kirkham 25x120. Gordon Leask to whom it may concern..... June 29, 1931

June 29, 1931—W 27th AVE 175 S Judah 25x120. John W Rogers to whom it may concern..... June 29, 1931

June 30, 1931—1078 FLORIDA ST.
Lydia and Ignacio Santistevan to
Wm Byrne June 15, 1931

June 30, 1931—S SANTIAGO 56-7½
W 14th AVE 21-102X100 John Rob-
ertson to whom it may concern
June 27, 1931

June 30, 1931—E BARTLETT 260 S
24th 353 and 355 Bartlett. F J
Kenke to Frank Terwilliger
June 29, 1931

June 30, 1931—LOTS 36, 37, 38, 39,
40, 41 Blk 6965A Sub No 1, Geneva
Terraces. H & H Stoneson to
whom it may concern. June 23, 1931

June 30, 1931—NE PORT and Scott
Sts E 62-6 x N 87-6. Eureka Be-
nevolent Society to E Sugarman;
Atlas Electric & Engineering
Corp; Jas H Pinkerton Co; D Ze-
linsky & Sons, Inc (4 completions)
June 29, 1931

June 29, 1931—E 21st AVE. 275 N
Ortega 25x120. Peder P Johnsen
to whom it may concern. June 29, 1931

770 Fleming Owner 3950
771 Lee Layman 14900
772 Oakland Schuler 223913

DWELLING
(752) 1955 CLEMENS ROAD, OAK-
LAND; one-story 6-room dwell-
ing.
Owner—The Oakland Co., Richfield
Bldg., Oakland.
Architect—Not Given.
Contractor—A. H. Monez, 1700 Lei-
mert Blvd., Oakland. \$3500

SERVICE STATION
(753) NE COR. 26th and Broadway.
OAKLAND; one-story brick ser-
vice station.
Owner—Standard Oil Co., 19th and
Broadway, Oakland.
Architect—Not Given.
Contractor—Lesley E. Alley, 1621 En-
cinal Ave., Alameda. \$1250

DWELLINGS
(754) 1822-26 108th AVE., OAKLAND
two 1½-story 6-room dwellings
and two 1-story garages.
Owner and Builder—Jas. B. Grubb,
10815 Breed Ave., Oakland.
Architect—Not Given. each \$3200

ALTERATIONS
(755) 2400 EUNICE STREET, BER-
KELEY. Alterations.
Owner—W. Martin.
Architect—Not Given.
Contractor—J. Farlamia, 827 Madison
St., Albany. \$1000

DWELLING
(756) E WARNER AVE 135 N Olive
St., OAKLAND. One-story five-
room dwelling.
Owner—Minnie E. and W. F. Jacob-
son, 9858 Olive St., Oakland.
Architect—Not Given. \$2000

RESIDENCE
(757) NO. 793 CRAGMONT AVE.,
BERKELEY. Two-story six-room
frame and stucco residence.
Owner—Gust Jelm, 580 Victoria St.,
San Francisco.
Plans by Owner. \$8000
758 Dooley Owner 3150

DWELLING
(758) N DELMER ST. 476 E Lincoln,
OAKLAND; one-story five-room
dwelling and 1-story garage.
Owner and Builder—F. T. Dooley, 3936
Vale Ave., Oakland.
Architect—Not Given. \$3150

ADDITION
(759) MILLS COLLEGE CAMPUS,
OAKLAND; concrete addition.
Owner and Builder—Mills College,
Seminary and Camden, Oakland.
Architect—W. H. Ratcliff, Chamber of
Commerce Bldg., Berkeley. \$11,000

DWELLING
(760) 1184 STERLING AVE., BERK-
ELEY; one-story 5-room 1-family
frame dwelling.
Owner—H. C. Barthleson, 1190 Ster-
lin Ave., Berkeley.
Architect—Not Given. \$3000

THEATRE, ETC
(760) CENTRAL AVE near Park St.,
ALAMTDA. One-story residential
concrete and steel theatre and
store building.
Owner—Alameda Amusement Co., 25
Taylor St., San Francisco.
Architect—Miller & Pfeiffer, 580 Mar-
ket St., San Francisco.
Contractor—Mitty Bros Constr. Co.,
Los Angeles. \$150,000

DWELLING
(761) NO. 2567 SOUTHWOOD DRIVE.
ALAMEDA. One-story six-room
frame and stucco dwelling.
Owner—N. F. Justice, 973 Pearl St.,
Alameda.
Architect—Not Given. \$5750

DWELLING
(762) NO. 2819½ VAN BUREN ST.,
ALAMEDA. Two-story 4-room
frame and stucco dwelling.
Owner—Elizabeth B. Rounds, 2819 Van
Buren St., Alameda.
Plans by Harry A. Manuel, 2111 Cle-
ment Ave., Alameda.
Contractor—Harry A. Manuel, 2111
Clement Ave., Alameda. \$2000

SIGNS
(763) 730 MYRTLE ST., OAKLAND;
roof sign and electric sign.
Owner—Market Laundry, 730 Myrtle
St., Oakland.
Architect—Not Given.
Contractor—Electrical Products Corp.,
950 30th St., Oakland. each \$2000

DWELLING
(764) E 75th AVE. 150 S Outlook Ave.
OAKLAND; 1-story 5-room dwell-
ing.
Owner & Builder—Folke Wallin, 2150
50th Ave., Oakland.
Architect—Not Given. \$2975

DWELLING
(765) E 72nd AVE. 150 N Trenor St.,
OAKLAND; 1-story 5-room dwell-
ing.
Owner—A. B. Clark and W. L. Moore.
Architect—Not Given.
Contractor—L. E. Van Ness 4920 Park
Blvd., Oakland. \$2550

DWELLING
(767) NO. 963 FIFTY-FIFTH ST.,
OAKLAND. One-story five-room
dwelling.
Owner—G. Marchisio.
Architect—Not Given.
Contractor—M. E. Valente, 5118 Clark
St., Oakland. \$5000

DWELLING
(768) N AILEEN ST. 206 E Shattuck
Ave., OAKLAND. Two-story 6-
room dwelling and one-story gar-
age.
Owner—M. C. Gale.
Architect—Not Given.
Contractor—Nylander Bros., 633 Mont-
clair Ave., Oakland. \$5250

ALTERATIONS
(766) NO. 2105 LOS ANGELES AVE.,
BERKELEY. Alterations.
Owner—Miss. F. Maffatt.
Architect—Not Given.

LIENS FILED

San Francisco County

Recorded	Amount
June 27, 1931—LOT 10 BLOCK 139 Est Co Sub ptn University Md. B Hayes vs L B and P Terlip, J G Lehman and Wm Carmichael \$127	
June 23, 1931—NE PERALTA AVE and NE Francema NE 25x8E 70. M J Lynch vs Katherine E Goggin	
June 24, 1931—W DIVISADERO 70- 2 N Hayes N 44-7½ x W 105-6. J Quinby vs F Neustadt. \$310	
June 24, 1931—E MONTGOMERY St 48 N Union St N 25 x E 87-6. The Greater City Lumber Co vs R and G Moreno and B Laguilona. \$63.10	
June 24, 1931—230 WAWONA ST. T D Moffatt vs E and S H Morris \$234	
June 30, 1931—N SICKLES AVE & Huron Ave 105 x NW 30. F I Greeley vs Maria J C Walter and S Sabin. \$10	
June 30, 1931—GORE corner Market and Fulton, being int NW Market and S Fulton, 1152 Market St. Al Neill vs F W Leis. \$64	
June 29, 1931—N VALLEJO 158-10 W Franklin W 80 x N 137-6. Sun- set Iron Works vs Wm Van Her- rick. \$495	

RELEASE OF LIENS

San Francisco County

Recorded	Amount
June 27, 1931—S SUTTER 97 E Di- visadero E 40-6 x S 100. Adam Cranston to Jacob and Bessie Friedman and Fred Wiseman. \$31.50	
June 29, 1931—LOT 21 BLK 2431. Highway Finance Corp to Mrs H H Thompson	

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Amt.
752	Oakland	Monez	3500
753	Standard	Alley	1250
754	Grubb	Owner	64000
755	Martin	Farlamia	1000
756	Jacobson	Owner	2000
757	Jelm	Owner	8009
759	Mills	Owner	11000
760	Barthleson	Owner	3000
760	Alameda	Mitty	150000
761	Justice	Owner	5750
762	Rounds	Manuel	2000
763	Market	Electrical	4000
764	Wallin	Owner	2975
765	Clark	Van Ness	2850
767	Marchisio	Valente	5000
768	Gale	Nylander	5350
769	Maffatt	Erickson	1000
769	Bredheft	Owner	3000

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San Francisco

Contractor—J. Erickson, 1120 63rd St., Oakland, \$1000
 RESIDENCE
 (759) No. 1359 ADA ST., BERKELEY.
 One-story 6-room 1-family frame residence.
 Owner—Bredelhoff & Dull, 1328 Carroll St., Berkeley.
 Architect—Not given \$3000

DWELLING
 (770) S WILSONS ST 155 E Maple Ave., OAKLAND. One-story 6-room dwelling.
 Owner—John Fleming, 3339 Jordan Road, Oakland.
 Architect—Not given. \$3950

DWELLING
 (771) NO. 70 STONEWALL ROAD, OAKLAND. Two-story 8-room dwelling.
 Owner—Winifred Lee, 2245 7th Ave., Oakland.
 Architect—Not Given.
 Contractor—Theo. H. Lapham, 546 Kenmore Ave., Oakland. \$14,000

WAREHOUSE
 (772) FOOT OF FOURTEENTH ST. OAKLAND. Two-story concrete warehouse.
 Owner—City of Oakland, Port Department, Bank of America Bldg., Oakland.
 Architect—Engr. Dept. of Owner.
 Contractor—Schuler & Macdonald, 1723 Webster St., Oakland. \$223,913

BUILDING CONTRACTS

Alameda County

No.	Owner	Contractor	Am't.
105	Howard	Johnson	28719

WAREHOUSE
 (105) FIRST and Market Sts., Oakland; general construction on warehouse building.
 Owner—Howard Terminal (a corp.), 1st and Market Sts., Oakland.
 Architect—Reed & Coyle, 1801 Bank of America Bldg., Oakland.
 Contractor—S. G. Johnson, Oakland.
 Filed June 30, '31. Dated June 16, '31.
 Tenth of each month.....75%
 Completion, amount sufficient to make total payments 75% of contract price.
 Usual 35 days.....Balance
 TOTAL COST, \$28,719
 Limit, Sept. 1, 1931.

COMPLETION NOTICES

Alameda County

Recorded	Accepted
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June 20, 1931—NO. 1009 MILLER Ave., Berkeley. Lewis Switzer to J F and R N Altmann. June 20, 1931
 June 30, 1931—PTN LOTS 1 AND 8 Blk L, Town of Pleasanton, Louise Douglas to F W Conlogue.....June 29, 1931
 June 29, 1931—1643 MORELAND Dr., Alameda. Chris Hansen to whom it may concern.....June 27, 1931
 June 29, 1931—3401 MORCOM Ave., Oakland. Dorothy C Fink to C W Leekins and Paul V Tuttle.....June 22, 1931
 June 27, 1931—2564 BUENA VISTA Way, Berkeley. Stuart Barker to C Dakin.....June 27, 1931
 June 27, 1931—LOT 27 BLOCK 3, Highland Manor, Oakland. F A Bohnert to W A Netherby.....June 23, 1931
 June 26, 1931—PTN LOTS 3 and 6 Blk F, Plat of the Lewelling Division, Alameda. Noble F and Marion B Justice to whom it may concern.....June 24, 1931

June 26, 1931—CALIFORNIA ST line Francisco to Cedar and Cedar to Buena, Berkeley. Southern Pacific Co to Hutchinson Co. June 20, 1931
 June 26, 1931—LOT 464 BLK Y, Fennside, Alameda. John Lehman to whom it may concern.....June 20, 1931
 June 26, 1931—LOT 48 PTN LOT 49, Broadmoor Park, San Leandro. F S and Zell W Gregory to John H Pickrell.....June 18, 1931
 June 25, 1931—ON SAN ANTONIO Ave Lot 18 Blks 17, 18, 19, Thousand Oaks, Berkeley. Oscar Carlson to Self.....June 23, 1931
 June 25, 1931—LOT 17 BLK K, 4th Ave Terrace, Oakland. B C Taylor to whom it may concern.....June 24, 1931
 June 23, 1931—LOT 25 BLK E, Durant Manor, Oakland. James B Grubb to whom it may concern.....June 22, 1931
 June 24, 1931—LOT 111 BLOCK H, Fennside Tract, Alameda. James A Quinn to Walter H Anderson.....June 20, 1931
 June 24, 1931—LOT 15 and ptn lots 13, 14, 16, Jessie Jones Tract, Oakland. Albert R and Ida Fulgham to James G Fisher.....June 18, 1931
 June 24, 1931—491 COLUSA Avenue, Berkeley. Elina Vale to Frank Stokes.....June 15, 1931
 June 24, 1931—LOT 18 BLOCK 5, Northbrae, Berkeley. George F and Annie B Meyer to whom it may concern.....June 20, 1931

LIENS FILED

Alameda County

Recorded	Amount
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June 29, 1931—LOT 39 BLK 23, Sub of portions of W Cragmont Ave, Berkeley. J Reinaldo vs C and Florence Black.....\$330
 June 29, 1931—LOT 39 BLK A Claremont Pines. Mastercraft Tile and Roofing Co vs J M and A Olsen.....\$1,003.20
 June 27, 1931—LOTS 3 and 4 and ptn Lot 2, Wetherbee Farnum Tract, Oakland. Federal Ornamental Iron & Bronze Co vs Floyd H Steele, California Pacific Title & Trust Co.....\$1549.50
 June 27, 1931—0.900 ACRES of land in Eden Twp. G H Brown Hardwood Co vs C A Steiner, George Johnson, Jr. C D Coker, General Mill & Lumber Co.....\$146.07
 June 27, 1931—0.900 ACRES of land in Eden Twp. Perry C Fry Co vs C A Steiner, Carl D Crocker.....\$116.62
 June 27, 1931—LOT 20 BLOCK 12, Lakeside Sub of Adams Pt Ppty, Oakland. Jas A Davis Co vs Axel C and Rachel H and Henry Nelson H A Driscoll Co.....\$183.52
 June 27, 1931—LOTS 48 and 49, Arnold Blvd Tract, Oakland. Melrose Bldg Materials Co vs Ethel D and E B Magoon.....\$68.50
 June 26, '31—5591 COUNTRY CLUB Drive, Oakland. Atlas Hardwood Floor Co vs J M and Anna K Olson, Claremont Pines Corp.....\$498
 June 26, 1931—PTN LOT 55, Bray Tract, Oakland. Guy W Sanders and Joseph L Balocchi doing business as East Bay Glass Co vs Wm Shaw (known as W M Shaw), Frank Kenney.....\$55
 June 26, 1931—LOTS 12 and 13 BLK 112, Kellerberger's map of City of Oakland. Herchel & Reinecke \$950 Tilden Mill & Lumber Co, \$2528.55 vs Oakland Japanese Methodist Church and F W Thaxter.....June 23, 1931
 June 23, 1931—539 38th St. Oakland. Henry Cowell Lime & Cement Co vs Mabel L Graham, J Hoffman.....\$20.73

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded	Amount
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June 27, 1931—LOT 5 PTN LOT 4, Lakeside Tract, Adams Pt Ppty, Oakland. Peninsula Burner & Oil Co to W M Greuner (agent), D V Irwin.....\$150
 June 27, 1931—LOTS 1 and 2 BLK 13, Lakeside Sub of Adams Point Property, Oakland. A L Solon and F I Schenmel doing business as Solon & Schenmel to Harry and Esther Schuster.....\$615.83
 June 24, 1931—LOTS 1 and 2 BLK 13, Lakeside Sub Adams Pt Prop, Oakland. Conesco Fixture Co, Inc \$1911.25; Smith Lumber Co, \$147.84; Tilden Lumber & Mill Co, \$4,595.46; Superior Tile & Products Co, \$1900; Schnoor Bros, \$2893.97; M Friedman & Co, \$47.48; W G P Blumert doing business as Pacific Painting & Decorating Co, \$1858; Arthur A Moore, \$5453.62; Charles F Osgood, \$233.12; Hipolito Co, \$543; Edward J Waterhouse, \$356.26; Western Roofing Co, Inc, \$275
 M M Friedman doing business as Parquet Inlaid Floor Co, \$400.00, to H Schuster known as Harry Schuster, California Mutual Bldg & Loan Assn.....June 24, 1931
 June 24, 1931—LOTS 1 and 2 BLK 13, Lakeside Sub Adams Pt Prop, Oakland. Christiansen & Grutsch \$923.70; Thomas F Higgins, \$426.07 to Harry and Esther Schuster.
 June 24, 1931—LOTS 1 and 2 BLK 13, Lakeside Sub Adams Pt Prop, Oakland. M Friedman & Co to Harry Schuster, W G P Blumert, Pacific Painting & Decorating Co.....\$537

BUILDING CONTRACTS

SAN MATEO COUNTY

GRADING, ETC.
 PLANT AT REDWOOD CITY. All work for grading and macadam, etc.
 Owner—Pacific Gas & Electric Co. 245 Market St., San Francisco.
 Architect—Not Given.
 Contractor—W. O. Tyson, Redwood City.
 Filed June 25, '31. Dated June 18, '31.
 As work progresses.....75%
 Usual 35 days.....25%
 TOTAL COST, \$1555
 Bond, \$1555. Surety, Fidelity & Deposit Co. of Maryland. Limit, 21 calendar days. Forfeit, none. Plans only filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
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June 20, 1931—LOT 13 BLK 7, Menlo Oaks. Walter D Moore et al to George Difani. June 19, 1931
 June 20, 1931—LOT 13 BLK 17, Milbrae Highlands. Oscar Harjuin to whom it may concern.....June 18, 1931
 June 23, 1931—LOT 47 BLK 7, Stanford Park. Odessa G Upham to whom it may concern.....June 23, 1931
 June 23, 1931—LOTS 2 AND 3 BLK 11, Central Park. E P Haste to whom it may concern.....June 20, 1931
 June 23, 1931—PART LOTS 1 AND 2 Blk 10, Milbrae Highlands. William R McKnight et al to whom it may concern.....June 18, 1931
 June 24, 1931—LOTS 39, 40 AND 41 Blk 2, North Fair Oaks. John Tiesler et al to R M Gordon.....June 22, 1931
 June 24, 1931—LOT 8 BLK 11, Sweeney Subd, San Mateo. Florence Manuels to H J Pinkerton.....June 11, 1931

June 24, 1931—LOT 34, Capuchino Golf Course, San Mateo, H E Winfrey to whom it may concern..... June 23, 1931

June 25, 1931 — LOCATION NOT Given, Mrs. Margaret Piper to Hanks, Wrecking Co., June 1, 1931

June 25, 1931—LOT 2 BLK 58, White Oaks, Knott Realty Co. et al to C S Baker..... June 22, 1931

June 25, 1931—LOT 5 Hart Lot 5-A Bowle Estate, San Mateo, Richard P Minor to whom it may concern..... June 25, 1931

June 26, 1931—LOTS 26 AND 27 BLK 15, North Fair Oaks, Mary A Yates to whom it may concern..... June 25, 1931

June 26, 1931—LOT 7 BLK C, Fay's Redwood Gardens, Samuel Moncrieff et al to whom it may concern..... June 26, 1931

June 27, 1931 — LOT 19 BLK 11, Woodside Glens No. 2, Isabelle Denike to M C Rensch June 15, 1931

June 27, 1931—LOT 7 BLK A, Fay's Redwood Gardens, Alva C Haseltine to Sam B Goss..... June 20, 1931

June 27, 1931—LOT 5 BLK 46, Burlingame, L Knowles to Jack Kelsor..... June 26, 1931

June 27, 1931—LOT 42 BLK 5, Vista Grande, George R Hammer to whom it may concern..... June 25, 1931

June 29, 1931—LOT 19 BLK 42, Lyon & Hoak Sub, Burlingame, Joseph Chambers to Henry Kime..... June 26, 1931

June 29, 1931—LOT 16 BLK 14, Baywood Park, Buscke & Johnson to whom it may concern..... June 29, 1931

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
June 22, 1931—MILBRAE DISTRICT San Mateo Feed & Fuel Co vs Union League Golf and Country Club.....\$2628.32

June 26, 1931—LOT 7 BLK 20, East San Mateo, W C Haller vs Morris R Lukens et al.....\$141

June 26, 1931—LOTS 95 AND 96, Brewer Sub No. 3, San Mateo, A Ruhlman & Co vs E C Counter (2 liens), \$157 & \$210.03 respectively

June 29, 1931—LOTS 34 AND 35 BLK 5, Belle Air Park, San Mateo, John Schadi, \$171.25; Gureitch Pera, \$69 vs Wilson Flowers.....

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded Amount
June 22, 1931 — LOCATION NOT Given, H H Smith to whom it may concern.....

BUILDING PERMITS

PALO ALTO

ALTER residence, \$1000; No. 1432 Webster St., Palo Alto; owner, Dr. Jerome Thomas, Premises; architect, B. Clark, 310 University Ave., Palo Alto; contractor, W. Goodenough, 310 University Ave., Palo Alto.

RESIDENCE, stucco, 2-story and garage, \$10,000; No. 2005 Cowper St., Palo Alto; owner, Cleveland Smith, architect—Treichel & Goodpastor.

RESIDENCE, stucco, \$4250; No. 920 Guinda St., Palo Alto; owner, R. N. Nelson; contractor, A. G. Frykman.

BUILDING PERMITS

REDWOOD CITY

DWELLING, frame, 5-room, bath and garage, \$3600; No. 1303 Roosevelt

St., Redwood City; owner, W. Weurm; contractor, Berndsten & Steinegger.

DWELLING, frame, 6-rooms, bath and garage, \$5000; No. 511 Iris St., Redwood City; owner, L. F. Bourquin.

DWELLING, frame, 6-rooms, bath and garage, \$3000; No. 2534 Jefferson St., Redwood City; owner, J. Ar-neth.

BUILDING PERMITS

SAN JOSE

RESIDENCE, frame, 5-room, \$2800; Vermont St. near Elm, San Jose; owner, F. A. Turner, 960 Vermont St., San Jose.

BRIDGE, concrete, \$14,000; Virginia and Home Sts., San Jose; owner, City of San Jose; architect, Office of City Engineer, City Hall; contractor, Thermotte Constr. Co., 530 Stockton St., San Jose.

ALTER type 111 business building, \$1000; NW First and San Salvador Sts., San Jose; lessee, Steve Patterson, 411 E-San Fernando St., San Jose; contractor, Wm. M. Caldwell, 1241 Hedding St., San Jose.

ALTER Type 111 business building, \$1790; No. 87 N-Market St., San Jose; owner, El Dorado Bakery, Premises; architect, Chas. McKenzie, Twohy Bldg., San Jose; contractor, Wm. Caldwell, 1241 Hedding St., San Jose.

ALTER frame residence, \$1000; No. 663 S-Ninth St., San Jose; owner, Harold Barton, Premises.

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted
June 19, 1931—SAN RAFAEL, A J Kopph and wife to J D Woodside..... June 12, 1931

June 26, 1931—MARIN, Siemer & Kendall to whom it may concern..... June 18, 1931

June 23, 1931—MILL VALLEY, Thos A Bickerstaff to whom it may concern..... June 22, 1931

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted
June 24, 1931—SAN ANSELMO, Carrie E Skaggs to Edward G Jackson..... June 22, 1931

June 25, 1931—SAN ANSELMO, Gabriel Tiensvold to whom it may concern..... June 24, 1931

June 27, 1931—SAUSALITO, Anita J Parker and Ada Schofield to Jacks & Irvine, Inc..... June 18, 1931

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded Accepted
June 25, 1931—LOT 2 BLK 28, Andrade Rose Tract No. 2, Richmond, Louise Wehmeyer to S E Manning..... June 25, 1931

June 25, 1931—LOT 3 and S ½ LOT 2 BLK 29, Andrade Rose Trace No. 2, Richmond, Louise Wehmeyer to S E Manning..... June 19, 1931

June 25, 1931—LOT 3 BLK 28, Andrade Rose Tract No. 2, Richmond, Thomas J Culligan Jr to S E Manning..... June 19, 1931

June 25, 1931—LOT 4 AND N ½ Lot 5 BLK 29, Andrade Rose Tract No. 2, Richmond, Nellie V Wright to S E Manning Co., Ltd..... June 19, 1931

June 25, 1931—LOT 13 BLK B, Map Oak Springs Unit No. 1, Rich-

mond, Earl D Smith to W G Foster..... June 24, 1931

June 26, 1931—LOT 2 BLK 10 Map of Crockett Heights, Monte I McDowell to F H and Fred S Ward..... June —, 1931

June 26, 1931—LOTS 27 & 28 BLK 14, Richmond Pullman Home Tract H M Stearns to whom it may concern..... June 25, 1931

June 27, 1931—LOT 37 BLK 2, Berkeley Highlands Terrace, Richmond, Alexander Mackenzie to W E Williamson..... June 1, 1931

June 27, 1931—PTN LOT 15 BLK A, R. N. Burgess Company's Map No. 3, Pan of Parkside Addition to Racetrack Sub, W G Centers to whom it may concern..... June 22, 1931

June 27, 1931—W 1 ACRE LOT 22, R. N. Burgess Company's Map No. 3 Ptn Parkside Addition and the Racetrack Sub, Sarah Marvell to W G Centers..... June 19, 1931

June 28, 1931—LOT 109, Legion Tract Addition, Richmond, Sebastiano Cavallaro to Horace J Elino..... June 17, 1931

June 25, 1931—LOT 2 BLK 28, Andrade Rose Tract No. 2, Richmond, Louise Wehmeyer to S E Manning..... June 19, 1931

June 25, 1931—LOT 3 BLK 28, Andrade Rose Tract No. 2, Richmond, Thomas J Culligan Jr to S E Manning..... June 19, 1931

June 25, 1931—LOT 4 and N ½ Lot 5 BLK 29, Andrade Rose Tract No. 2, Richmond, Nellie V Wright to S E Manning Co., Ltd..... June 19, 1931

June 25, 1931—LOT 13 BLK D, Oak Springs Unit No. 1, Richmond, Earl D Smith to W G Foster..... June 24, 1931

June 25, 1931—LOT 3 and S ½ Lot 2 BLK 29, Andrade Rose Tract No. 2, Richmond, Louise Wehmeyer to S E Manning..... June 19, 1931

LIENS FILED

CONTRA COSTA COUNTY

Recorded Amount
June 27, 1931—LOT 3 AND W ½ Lot 4 BLK 5, Map of Richmond City Center, General Mill & Lumber Co (corp) vs M L Mattice and M P Graves.....\$166.96

June 23, 1931—LOT 12 BLK 3, Map of Fosket Addition No. 2 to Town of Concord, The Diamond Match Co vs Hugo Carlson.....\$41.90

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
June 25, 1931—LOT 6 BLK 82, West of Center St., Stockton, F P Dobson to whom it may concern..... June 16, 1931

June 25, 1931—LOT 2 BLK 3, Oxford Manor, Stockton, Carl A Rausch to William Peenstra..... June 23, 1931

June 27, 1931—LOT 24 BLK 2 of The Oaks, T H Grimsley and wife to T E Williamson..... June 25, 1931

June 29, 1931—N ½ LOT 13, Burkett Acres, Majorie Toal Pepper to whom it may concern..... June 27, 1931

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
June 25, 1931—LOT 45 Lodi Barnhart Tract, Stockton, R D Decker vs R B and Alice H Weltz.....\$65.35

June 25, 1931—LOTS 1, 2, 3 AND 4 Clarkdale, Pils Company Tract, Stockton, Hayward Lumber & Investment Co vs R E Hewley.....\$216.05

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
June 24, 1931—N 45 FT. COUNTY
Rd known as Stender Ave., Mon-
terey. Viola I Eldon to Andrew D
Wickham June 22, 1931
June 29, 1931—NE 1/4 DEL. MONTE
Ave N along Park Ave to R R
right-of-way, Monterey. Nicholas
Mikel to Fred McCray June 22, 1931
June 23, 1931—LOT 1 BLK 130, Fifth
Addition to Pacific Grove. W G
Gates to whom it may concern.....
June 24, 1931
June 29, 1931—LOTS 10 AND 12 BLK
67, Third Addition to Pacific
Grove. Ben F Fuller to whom it
may concern June 24, 1931

BUILDING PERMITS

SACRAMENTO

RESIDENCE and garage, \$4500; No.
2525 11th Ave., Sacramento; own-
er, Wright & Presley, Rt. 8, Box
965, Sacramento.
RESIDENCE and garage, \$5750; No.
3330 McKinley Blvd., Sacramento;
owner, H. B. Leak, Loomis, Calif.;
contractor, T. A. Scott.
RESIDENCE and garage, \$4000; No.
4100 T St., Sacramento; owner,
Peerless Security Co.; 1009 8th
St., Sacramento; contractor, Klein
Realty Co., 1009 8th St., Sacra-
mento.
RESIDENCE and garage, \$4500; No.
600 50th St., Sacramento; owner
and contractor, F. L. Thomas Jr.,
1809 Q St., Sacramento.
SERVICE station, \$2000; No. 1900
Stockton Blvd., Sacramento; own-
er, E. A. Corum, 2665 Donner Way,
Sacramento.
RESIDENCE and garage, \$4000; No.
1335 48th St., Sacramento; owner,
J. W. Thomas, 314 10th St., Sacra-
mento; contractor, S. E. Fuller
RESIDENCE and garage, \$4500; No.
4401 U St., Sacramento; owner, A.
R. Cowles, 2501 52nd St., Sacra-
mento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
June 26, 1931—LOT 5, Land Drive
Terrace Unit No. 1, Sacramento.
M E and A E Clayton to whom it
may concern..... June 5, 1931
June 26, 1931—HOOD & WALNUT
Grove. Southern Pacific Co to
whom it may concern..... June 25, 1931
June 26, 1931—LOT 131 McKinley
Blvd Tract No. 2, Sacramento.
Thomas A Scott to whom it may
concern..... June 26, 1931
June 25, 1931—LOT 12 S. L. S.
Grand Amd Plat Clamptett Tract.
Henry A Dewing to whom it may
concern.....
June 23, 1931—LOT 78, McKinley
Blvd., Tract No. 2 Sacramento.
Charles H Thompson to whom it
may concern..... June 22, 1931

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
June 25, 1931—LOT 314, RESUB OF
Lots 314-15-16-17-18-19 and 320 and
plat Citrus Heights Addn 19. The
Diamond Match Co vs E Christen-
sen \$208.65

BUILDING PERMITS

FRESNO

ALTERATIONS and additions, \$5000;
No. 1134-36 H St., Fresno; owner,

Crown Printing Co., Premises; con-
tractor, R. Pedersen.
ALTERATIONS and additions, \$2400;
No. 1247 Fulton St., Fresno; own-
er, W. P. Fuller & Co., Premises;
contractor, E. J. Farr & Son.

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
June 26, 1931—LOTS 43 & 44 BLK
6, Sierra Vista. A F Lambert to
whom it may concern..... June 26, 1931
June 26, 1931—LOT 10, S 1/4 Lot 9
Blk 2, German Addition, Fresno.
Geo. Smith to Karl Gleim Sr.....
to whom it may concern.....
May 29, 1931
June 27, 1931—LOT A, F, G, F, G,
Sub No. 1, Fresno. County of
Fresno to Thompson Constr Co.....
June 26, 1931
June 27, 1931—W 48 FT. OF S 130.2
Ft. Lot 16, Normal Heights,
Fresno. A G Lampases to whom
it may concern..... June 26, 1931
June 23, 1931—LOTS 40 AND 41,
Terrace Gardens. Taylor-Wheeler,
Inc to whom it may concern (2
completions) June 20, 1931
June 24, 1931—LOT 5 BLK 63, Sierra
Vista Addition No. 2, Fresno.
Dwight W Doss to whom it may
concern..... June 20, 1931
June 24, 1931—BEOLA SUBSTA-
TION. S J L and P Corp to T C
Irwin and Wm Hopkins.....
June 19, 1931

ENGINEERING SOCIETIES
EMPLOYMENT SERVICE

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factory. Must have initiative and
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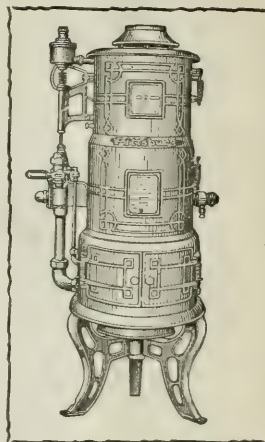
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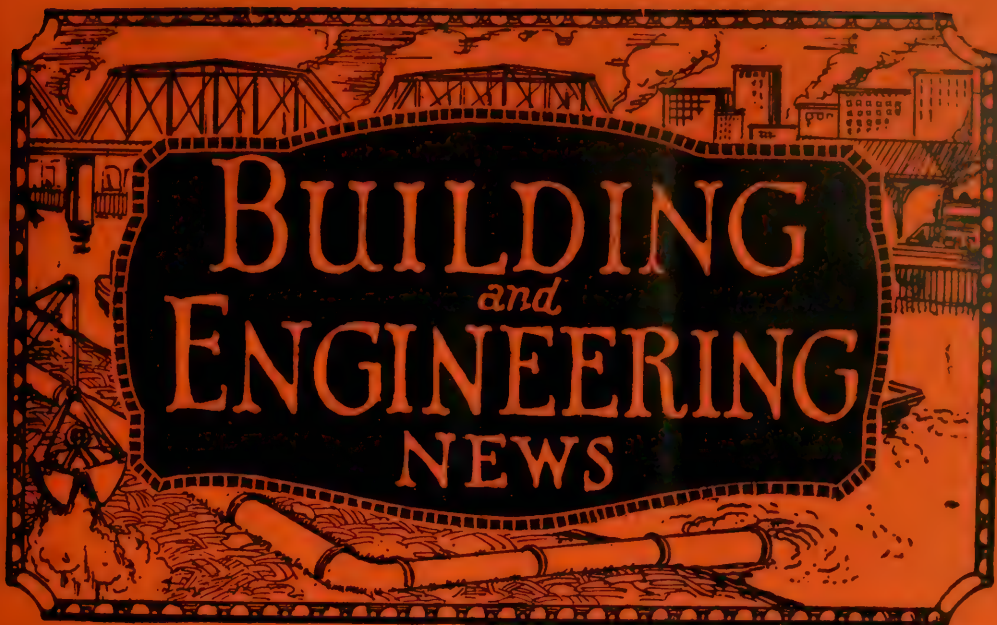
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Uniform System of Accounting for Chicago Contractors

Following the expose by U. S. District Attorney G. E. Q. Johnson of a number of cases involving apparently excessive profits to contractors in Chicago, Alderman John A. Massen on June 10 introduced an ordinance in city council granting authority to the city comptroller to prescribe a uniform system of accounting for all contractors doing work for the city involving an expense in excess of \$500. Under the provisions of the ordinance contractors must maintain an office in the city, keep books, records, canceled checks and vouchers and file with the comptroller duplicate copies of books, records and accounts. The records so kept are to show in detail receipts and disbursements and be kept intact for five years in such place as the comptroller may determine.

The comptroller is to prescribe the form of the records, which are to be uniform for all similar contracts, and he has the privilege to change the forms or system of records at any time. The records are to be made a public record admissible in evidence of the facts, figures and transactions which they purport to reflect. For violation the contractor may not receive payments or if already paid the city may recover the sums so paid. Only surety bonds recognizing the uniform accounting procedure are to be accepted.

Alderman Massen states that this is not a new legal requirement inasmuch as utilities furnishing service to municipalities and the railroads furnishing service to the public have long been required to keep uniform accounts and make them public. Furthermore, he states, the honest contractor, making a reasonable profit of 10 to 20 per cent, has nothing to fear and should welcome the innovation.

Commission Is Earned When Acceptance Obtained

A decision recently rendered by Superior Judge Yankwich and concurred in by Judges Lucas and Shaw at Los Angeles is to the effect that: If a person employs an agent to obtain a contract for the exchange of a particular piece of property for another and agrees to pay a commission, the broker owns the commission as soon as he has obtained an acceptance of the agreement of exchange and is entitled to the commission even if the deal later falls through, according to the California Real Estate Association.

In the case in question a licensed real estate broker won his suit for commission even though the defendant set up as her defense the fact that the deal fell through because the other party to the exchange could not deliver a clear title.

WEBB RULES BRIDGE WORK MAY PROCEED

Preliminary work on the surveys and soundings for the San Francisco Bay Bridge may proceed at once, even though the specific appropriation for this work does not become effective until August 15th. This is the opinion of Attorney General U. S. Webb.

In a statement delivered to the California Toll Bridge Authority, Webb points out the work may be performed under a \$50,000 permanent revolving fund set up for the toll bridge authority, even though these expenditures may result in a deficit in the fund.

When the specific bay bridge appropriation of \$650,000 becomes available on August 15th, the revolving fund would be replenished from the appropriation.

Private Architects Share Federal Work

Private architects are receiving a major share of professional work on post offices and other federal buildings under the Treasury Department, according to a report received today by Fred C. Croxton, acting chairman of the President's Emergency Committee for Employment, from Ferry K. Heath, assistant secretary of the Treasury, in charge of the public building program.

"Numerous architects," said Mr. Croxton "have written the President's Emergency Committee for Employment urging that private architectural firms be employed to the greatest extent possible on federal work in order to minimize unemployment throughout the profession. The answer is that the Treasury Dept. has been placing in private hands an increasingly large part of its work on drawings for building construction, including post offices and other federal buildings located in all sections of the country.

"Of the 194 jobs now in the drawing stage, private architects are handling the design of 72 projects valued at \$152,687,023 while the Treasury is preparing drawings for 122 projects valued at \$26,955,600, or scarcely more than one-sixth as much. The work being done by the Treasury is mostly in specialized types of buildings in which the long experience of designers in the Supervising Architect's Office is believed to make for maximum efficiency. The design of the larger and more important public buildings is being entrusted to a large degree to private architects."

Did you know that Californians apparently would "rather ride than eat"?

At least that is indicated in figures recently released by the United States Department of Commerce. It is noted that while the State's population spends 20.29 per cent of its income for food, it spends 23.56 per cent of its money for automobile purchases.

Tile Contractors Must Furnish \$1,000 Bond In Los Angeles

An ordinance regulating tile setting, requiring individuals, firms and corporations doing the setting to secure a license and requiring permits to do any such tile setting, was passed by the Los Angeles City Council, approved by Acting Mayor Sanborn and will go into effect July 18, 1931. This ordinance was originally drafted and presented to the City Council by the Southwest Tile Institute, composed of tile contractors. In its original form it failed to secure the approval of the Building and Safety Commission, which regarded its provisions as too drastic. Many of the provisions were rewritten by that body before it was passed by council.

A tile contractor is defined in the ordinance as a "Master Tile Setter" and he is required by the ordinance to secure a certificate of registration from the Building & Safety Commission, for which he will pay \$25. A permit must also be secured to do any job costing in excess of \$20, for which a fee of \$1 will be charged. The "Master Tile Setter" must also file a surety company bond for \$1000 to protect any client against damage by violation of the city building code. The provisions of the law do not apply to persons working for wages for an owner setting tile in his own dwelling, or to journeyman tile setters. All work is subject to inspection. The penalty for violation of the ordinance is a fine not to exceed \$500, imprisonment in jail not to exceed six months or both.

Clark Retires From Link-Belt Organization

After 30 years service in the interest of Link-Belt Company and its subsidiaries, Harold H. Clark retires from his position of Vice-President and Assistant Secretary of the Pacific Division of Link-Belt Company.

Graduated from Cornell University in 1900, at the age of 22, he joined Link-Belt Company at Chicago. Being a mechanical engineer, his first duties were in the drafting room, from which he was promoted to salesman.

He left Link-Belt for a short time in 1909 and moved to Los Angeles, where in 1910 he started a sales agency for Link-Belt and others. In 1913 he established the regular Link-Belt branch office at that city. In 1920 the west coast branch offices were organized as the Link-Belt Pacific Company, of which Mr. Clark became Vice President and Treasurer.

On the purchase of Meese & Gottfried Co., the coast organization became the Link-Belt Meese & Gottfried Co., which later was changed to Link-Belt Company, Pacific Division. Mr. Clark was Vice-President and Assistant Secretary of this organization, having in charge the sales and advertising activities.

CONTRACTOR'S RIGHT WHEN SUBCONTRACTOR WITHDRAWS BID

By Herman J. Galloway, Legal Editor, The Constructor, A. G. C. Magazine

The Facts and The Question: A state invited bids for the construction of a certain building. The specifications called for metal windows of a certain make without alternate. A contractor expecting to bid upon the job procured a so-called bid from the manufacturer of these windows, which so-called bid contained the following provision:

"This proposal, of which the printed 'Conditions of Sale' is an integral part, is for acceptance within 20 days; but such acceptance is not binding as a contract unless approved by an officer of this company."

The contractor was awarded the contract and signed the same but before the state had signed the written agreement, the window manufacturer verbally withdrew its so-called bid, claiming that an error existed therein and demanding an increase of 100 per cent in the price of the windows. Since the 20 days' time fixed in the so-called bid of the window manufacturer had not yet expired, the contractor at once accepted the offer in writing. The window manufacturer promptly notified in writing the contractor of the rejection of the acceptance.

Since the state architect would permit no substitution, the contractor, in order to avoid further loss, accepted an offer of compromise of a 50 per cent increase in the price of these windows, but with the acceptance the contractor mailed a letter of protest stating that it was accepting the compromise only to protect itself from further loss.

The question is asked whether the contractor has any redress against the window manufacturer upon the above facts.

Let us first consider the bid of the window manufacturer as an offer to sell goods and see whether the facts stated create any right in the contractor.

It is well settled in practically every federal and state court, including the state of Wisconsin where the present controversy arose, that an offer, unless supported by a consideration of under seal, may be revoked or withdrawn at any time before it is accepted and the acceptance communicated to the offerer when communication is necessary, for until then there is neither an agreement nor consideration. (*McCaffrey v. Wagner*, 681 Wis. 632; *Johnson v. Filkington*, 39 Wis. 62.)

As a seal imports a consideration at common law, an offer made thereunder can not be withdrawn and is binding upon the maker until accepted or rejected. A classical case is that of *Xenos v. Wickham*, 2 H. L. 296, where a policy of marine insurance which was signed, sealed and delivered by the insurers was never accepted by the insured until he learned that his ship was lost. He then claimed the benefit thereof and the court held he was entitled to it.

The decided cases seem to establish that the manufacturer herein could revoke its offer before it was accepted even had the offer expressly prohibited it from doing so.

In *Mayo v. Koller*, 21 Pa. Super. 91, 95, a case in which an order stated that it was not "subject to countermand," the court said:

"It will be said, however, that in the order she expressly agreed that it was not subject to countermand. But if it was not a contract, executed and binding at the time it was signed, that part of it bound her no more than any other part and, therefore, if it was countermanded before it was accepted by the plaintiff, the countermand was good."

In *Toledo Computing Scale Co. v. Stephens*, 95 Ark. 606, 608, the court said:

"The writing in question shows on its face that it was merely a proposal to purchase, and that it was not a contract of purchase or sale. It is so treated by the head of appellant's order department. Throughout his testimony he speaks of it as the order, and specifically names the date of its acceptance. As such it was subject to be countermanded or withdrawn at any time before acceptance. *Merchants' Exchange Co. v. Sanders*, 74 Ark. 16; *Main v. Tracey*, 86 Ark. 27."

"This is true in this case, even though the order contained a provision that it should not be countermanded, for there was no consideration for such agreement. 24 Am. & Eng. Enc. of Law, p. 1030; 1 Benj. on Sales (4 Am. ed.) Sec. 41."

To the same effect in *O'Connor v. Harrison*, 132 Ill. A. 264.

The courts have also held that even where the offerer has, by the very terms of his offer, allowed the offeree a certain number of days within which to accept it, unless the offer is supported by a consideration or is under seal, it may be withdrawn at any time before acceptance.

In *Minneapolis Etc. Ry. v. Columbus Rolling Mill*, 119 U. S. 149, 151, the Supreme Court said:

"If the offer does not limit the time for its acceptance it must be accepted within a reasonable time. If it does, it may, at any time within the limit and so long as it remains open, be accepted or rejected by the party to whom, or be withdrawn by the party by whom, it was made."

In *Larmon v. Jordan*, 56 Ill. 204, 206-7, the court said:

"If the proposer had limited the time for acceptance, as in the case of *The Boston & Main Railroad v. Bartlett*, 2 Cush. 224, relied upon by appellant's counsel, still by that, as well as the general current of authorities, he would be at liberty to withdraw the offer at any time before acceptance, and, if not accepted within the time limited, he would not be bound unless he assented in his turn."

In *Prior v. Hilton & Dodge Lumber Co.*, 141 Ga. 117, 118, the court said:

"If without consideration a continuing offer is made, although the person making it may state a time within which it may be accepted, there is no binding contract, and he may withdraw the offer before acceptance."

It seems unnecessary to discuss further court decisions since, from the foregoing, the conclusion is inescapable that even if this was an offer to sell goods the manufacturer had the right to withdraw its offer prior to an acceptance thereof, regardless of the fact that the offer stated that it was for acceptance within 20 days and when the offer was withdrawn before acceptance no right accrued to the contractor.

In the foregoing discussion we have considered the acts of the manufacturer of the metal windows as an offer which might have become a binding contract upon acceptance thereof before any withdrawal and even as considered have arrived at the conclusion that since it was withdrawn before it was accepted, the contractor has no rights thereunder. However, it is in our opinion very doubtful whether the so-called bid by the window manufacturers was in fact anything more than a mere invitation of the contractor to make an offer to purchase material.

We do not have the exact form nor the full facts concerning this so-called bid but the statement quoted that any "acceptance is not binding as a contract unless approved by an officer of this company" strongly indicates that it was the intention of the window manufacturer to invite the contractor to make an offer to buy material at the prices quoted, which offer might be accepted or rejected by an officer of the window manufacturer and until so accepted no rights accrued under the same to the contractor. Since there was no acceptance by any officer of the window manufacturer, this theory creates no rights in the contractor.

Whether we consider the acts of the window manufacturer as an offer or as a mere invitation to do business it seems clear that the requirement that there shall be on approval by an officer of the window manufacturer before any contract exist is valid and must be respected.

If we consider this provision as a condition in an offer made by the window manufacturer it is governed by that elementary rule of law that one who makes an offer to enter into a contract may do so upon any terms he may see fit to make as long as they are not illegal. Some of the more common grounds of illegality are those which involve the commission of a crime, contravene public policy, involve the doing of a civil wrong against a third person, call for the defrauding of an individual or the public, violate the fiduciary or confidential capacity in which persons find themselves or are made in violation of a statutory provision. The condition here involved does not appear to fall within any of these categories. If, on the other hand, we consider the transaction as a mere invitation to the contractor to make an offer, it seems equally clear as above stated that until such offer by the contractor is accepted by the window manufacturer, no binding contract exists.

From the foregoing, the conclusion follows that the contractor has no rights in this transaction upon which it may claim redress. In view of this conclusion it is unnecessary to consider whether if the contractor ever had any such rights it has deprived itself of them by the compromise agreement to pay a 50 per cent increase in price. Ordinarily a compromise or adjustment ends such controversies and it is very doubtful depending upon a full consideration of all the facts involved whether a protest would be of any avail in preserving any of the rights previously existing.

BEAUTY IN BUILDING DESIRABLE AS EVER, SAYS ARCHITECT—DEPLORES USE OF "WORTHLESS STUFF" RECENTLY PLACED ON THE ARCHITECTURAL MARKET

Buildings which look prosperous have a remarkable advertising value, William Orr Ludlow, chairman of the Committee on Industrial Relations of the American Institute of Architects, declares in stressing the importance of making a factory, disposal plant, or waterworks attractive in appearance.

Although this is a machine age, beauty in buildings is as desirable as ever, in Mr. Ludlow's opinion. Public demands have changed in many other respects, he says, but the owner of even the strictly utilitarian building is more insistent upon attractive construction than ever before.

"While strict economy is still essential, the owner of a factory, for instance, now understands more of the psychological effect on his employees of pleasant surroundings," according to Mr. Ludlow. "The engineer who makes his bridges, factories, or waterworks attractive in appearance is going to give the owner a much larger share of satisfaction in the accomplished work, and, further, he is creating something of permanent advertising value to himself."

"For those who would argue the matter, pointing out what 'plain stuff' some of the modernistic architects themselves are designing, let them stop to realize that the real designer does not need cornices, pilasters or ornament. He gets beauty from its fundamental sources, good mass and proportion, pleasing silhouette, harmonious color, and a fitness of design to purpose."

"Let none be misled by the lot of worthless stuff recently put on the architectural market. It has not been done by real architects but by men who mistook novelty for beauty, who, scorning everything traditional, have used lightning strokes, acute angles and bizarre geometric patterns ad nauseum. All this has been copied and duplicated because it is supposed to express modern art. Modern expression in architecture that has real enduring artistic value is exempted in the Empire State and the New York Telephone buildings."

"Buildings of today are the products of the architect and the engineer

working together. Because of their cooperative accomplishment, the world stands amazed at structures almost unbelievable in height, beauty and usefulness."

"To the architect falls the part of the original conception of the structure in its mass, proportion, profile, and embellishment. The notion that this is all the architect does seems to persist in some minds, although the idea is a relic about forty years old."

"The fact is that good mass, proportion, profile, all depend on plan, and planning is one of the most exacting of practical problems, involving a thousand considerations of usage, financial return on investment, building laws, economic use of material and space, sound construction and adequate equipment and furnishing."

"The architect must also be a good organizer and have executive ability. It is his job to see that the thing he has created in imagination is properly carried out in actual construction according to his original conception of the demands of sound building practice. He shares this work with the man who has made the modern building a possibility, the engineer. Without the steel skeleton, the elevator, scientific heating, plumbing and lighting, our limit of height for buildings would still be four stories."

"What is true of the architect is true of the builder. Forty years ago the master builders were bricklayers and carpenters who had come up thru the ranks, but today's buildings are so complex that builders should employ engineers or, in fact, should be engineers by training and ability."

"Louis Horowitz, president of the Thompson-Starrett Company, recognizing this fact, has recently given a large sum of money to establish a building engineering course at Yale. Other institutions are likely to provide similar courses for building has now become an art, and a builder's education should no longer be confined to experience gained on the job."

"With the complexity of the modern building growing every year, there is a big field open to the engineering graduate."

the groups by working out cooperative improvements and providing a clearing house for the entire industry where the various problems presented by the different groups could be solved by all the interested parties."

A general meeting of the building industry will be called in the immediate future to hear the final report of the Organization Committee and to work out a definite plan for organizing the Congress.

WHY AND HOW

1. What is a Building Congress?

A Building Congress is a coordinating central organization functioning for the purpose of tying together, through a central council all of the various groups and the many diversified interests now working independently without adequate agency to correlate the activities of these units. In other words, a Building Congress would give unity of coordination for the activities within the industry and would provide a means for standardizing the problems common to more than one branch of the industry.

2. Of Whom Would a Building Congress be Composed?

The building industry is composed of various trade associations and institutions divided into approximately eight groups and each group would be composed of existing associations or institutions and would have representation on the advisory council which would function through an executive committee.

3. What Would be the Chief Functions of a Building Congress?

(a) To organize the various branches of the building industry for the purpose of eliminating waste and promoting efficiency in its operation.

(b) By proper publicity given to the improvements made, restore the confidence of the financial interests and building public.

(c) Provide well-organized industry, capable of taking united action on any question of interest to the different groups.

4. How Would It Function?

Each group would decide on the plan of action to improve conditions in their own group or branch and then through the central council cooperate with the other groups on all subjects affecting more than one group.

5. Is there a Need for a Building Congress?

There is at present no established agency existing where the various groups in the industry can meet to consider and discuss problems of common interest. These problems are many. The most important are to formulate and standardize technical and trade practice to eliminate waste for the mutual good of all and to educate the public in the necessity of having only properly trained and reliable architects, engineers and contractors and to install only first class materials in their building projects.

The Contractors and Builders' Exchange of Reading, Pa., has issued a warning against a scheme to mulct contractors, which has recently been tried in several communities.

The essence of the scheme is as follows: The contractor is approached by a party who claims to own a large plot in another city on which he plans to build a large apartment house. He has the papers all ready to sign but he is dissatisfied with his partners and wants to buy their interest before proceeding. Unfortunately, our would-be promoter has most of his collateral tied up in other interests and if the contractor would advance a certain sum to buy the partners' interest they can proceed with the building. Once the money is handed over neither the promoter nor the money is seen again.

The Reading Exchange states that two different contractors in that city were approached on the proposition.

PLANS PROGRESS TO ORGANIZE BUILDING CONGRESS IN STATE

Plans for the formation of a Building Congress in California are being formulated by an organization committee recently appointed by Ray Alvord of the Industrial Committee of the California State Chamber of Commerce. The committee was named following a recent meeting of all units of the building industry, called at the request of leaders in the construction business.

The Organization Committee consists of Frederick H. Meyer, chairman; E. L. Norberg, A. J. Evers and Harris Allen, architects; H. J. Brunner, engineer; John Cahill, contractor; S. R. Kingsland, Producers' Council, and Wm. H. Harrelson, vice-president of the B. E. of America.

The committee has been actively engaged in working out a plan of organization and methods of procedure to produce a workable organization that will be of maximum benefit to accomplish a rejuvenation in the building industry.

According to the proposed plan the industry would be divided into a

Northern and Southern section to function under the auspices of the Industrial Committee of the California State Chamber of Commerce with the assistance of other interested agencies.

Each section would be divided into eight general groups as follows:

1. Owners and Realtors.
2. Architects.
3. Engineers.
4. Financial Agencies.
5. General Contractors.
6. Sub-Contractors.
7. Manufacturers and Supply Dealers.

8. All other allied interests.

All recognized associations, institutes and district councils would have a representative on the advisory council and each group would have at least one representative on the executive committee which would be the governing body of the Congress.

The work of this organization, in general, would be to improve economic conditions and trade practices within the industry to the satisfaction of all

THE OBSERVER

What He Hears and Sees on His Rounds

California redwood mills are assisting dealers in introducing a new style of siding under the trade name "Anzac." The new siding has a rugged heavy shadow line effect.

A return of business conditions to normalcy by Fall is predicted by 155 editors of trade publications in their annual business outlook survey just published.

Upturns are noted in sections of the automobile industry, chemicals, machine tools, electrical power production textiles, commercial bakeries, furniture manufacturing, construction, meat packing, shoe retailing and radio broadcasting.

Dr. Stephen I. Miller, executive manager of the National Association of Credit Men, says the upward slant of the stock market will undoubtedly have a stimulating effect on business.

The general tone of business, the editors' survey shows, is in the condition which usually precedes a general improvement.

"Farm Electricity," a new course, is to be offered in the division of agricultural engineering by the University of California, at the Branch of the College of Agriculture at Davis. This is to be a non-degree course, and will be taught by Stanley Winters, associate in farm mechanics, it is announced by Director W. L. Howard and Prof. H. B. Walker, head of the agricultural engineering division.

The probable use of some of the prisoners in the county jail on road work and in other county work may follow as a Santa Cruz county policy, following the visit of John Elover, an official of the State Department of Public Works, to Santa Cruz. Sheriff Dresser is in favor of trying out the plan, particularly at the present time when the county jail is badly crowded and the need for exercising prisoners is greater.

Business corporations subject to the 1 per cent franchise tax levied by the state, may escape payment if they submit proof that they were not actually doing business during the year for which the tax is levied, an opinion from Attorney General U. S. Webb to State Controller Ray L. Riley indicates. Corporations subject to the tax, but which have neglected to report a non-operative status are subject to the arbitrary tax of not less than \$25 which the law provides, and if this is not paid are subject to suspension of corporation rights, the opinion said.

"Peddling bids is such a despicable thing that it is embarrassing to the building industry that the practice is general enough to be a disturbing element," says Lorentz Schmidt, architect of Wichita, Kansas. "There is not a General Contractor in the state that would not cry to the high Heavens if the owners would receive the bids and then show them to some contractor who perhaps did not even bid on the job and give him the opportunity to cut under. The unfairness of such a procedure is best known to the contractors and yet judging from the amount of discussion going on about this unethical practice there must be many contractors who stoop to such a thing.

"The material man or sub-contractor that will be party to as unscrupulous a deal as reading a confidential bid and then cut under it is just as deep in the mud as the contractor is in the mire.

"I maintain it is outside the province of the architects to regulate the right and wrong doing of bidders on their work. In one of the Forum meetings some years ago it was agreed that the architects should prepare their bidding blanks to call for the list of sub-contractors and material firms whose bids were used in making up the general contractor's bid. The complete flop that this solemn agreement turned out to be is well known history.

The 'Peddling of Bids' takes place before a letting as well as after. Those who will cheat and betray a confidence and 'Peddle Bids' operate whenever the opportunity presents itself. The architects are powerless to stop this practice, and until the rank and file of the building fraternity gets so sick of this form of dishonesty that it decides to clean house the 'Peddling of Bids' will continue."

Stewart W. Parker of Baltimore Builders' Exchange reports that if construction activities are coming back to normal, it is so discouragingly slow, that the improvement can hardly be noticed.

Dallas, Texas, contractors announce numerous projects being held up on account of finances and some sentiment to await possible wage reductions.

Two important programs—slum rehabilitation and an immediate commencement—of federal, state and municipal construction are needed to delay and stimulate building on a national basis and aid its recovery from its semi-dormant status of the past 20 months.

This opinion was expressed by E. M. Craig, the Executive Secretary of the National Association of Building Trades Employers, after an analysis of reports of building conditions in 40 large cities.

Mr. Craig stated that building activities throughout the nation are still tinged with pessimism, but adds that many large cities report a slow, and gradual betterment of construction conditions. To date, he avers, the huge federal building program has been slow moving and attendant with considerable delay.

Trade agreements regulating prices and providing that retailers shall not resell a product except at a stipulated price will be legalized in California under the terms of A.B. 1228, by Assemblyman Willard Badham, Los Angeles, signed by Governor Rolph. Badham said the bill was aimed to prevent price cutting.

Prequalification of all bidders on public works, both state and county, became mandatory in New Jersey with the signing of a law on April 20 by the Governor. The new practice goes into effect on July 4. This law makes it obligatory on all public officials to require bidders on any type of construction work of which they have charge to submit a statement under oath in response to a question-

naire, standardized for different classes of work, showing their financial status, extent of their plant and equipment, organization and prior experience and such other facts as the official may deem it desirable to know.

Bricklayers and plasterers receive more actual wages than professors of southern colleges. Dr. Walter W. Splawn, dean of the Graduate School of American University, declared in a radio speech. The average wage for bricklayers and plasterers, he said, is \$2850, while the average wage for the southern college professor is \$2660.

A study to determine whether a system of super highways costing \$300,000,000 would solve Chicago's increasing traffic problems is being made under the direction of Miller McClintock, director of the street traffic research bureau of Harvard University.

At the same time an investigation into the traffic accident problem in Chicago is being handled by F. M. Kreml, former head of the accident prevention bureau of Evanston, Ill. Both investigations were authorized by the city council upon the recommendation of the committee on traffic and public safety.

Some years ago McClintock made a similar survey, and from the earlier report were evolved most of the present traffic ordinances and regulations. In his present survey McClintock will deal with the engineering, financial and traffic problems of such contemplated construction.

Chicago's outer drive, which skirts the business street along the north side and follows the shore line, is a super-highway, McClintock said. Its practicality in handling excess traffic during the morning and evening rush hours is demonstrated daily, he said, but he insisted that it would have to be proven that the contemplated \$300,000,000 super-highway construction was economically necessary before the city could embark on such a program.

Businesses employing 30 per cent of all wage earners in California will increase 17 per cent during the next three months is predicted by the stabilization committee of that State Chamber of Commerce.

At a recent meeting of the Los Angeles Building Trades Council Secretary Collins Hardin was instructed to secure the services of an attorney for the purpose of starting court proceedings to secure a writ of mandate against the playgrounds and recreation department of the city of Los Angeles and its commission, to have them show cause why that department has the right and authority to override Section 425 of the city charter, voted on by the people which states that the standard and prevailing wage scale must be paid on all public work done by the city of Los Angeles.

Unless the redistricting action of the recent State Legislature is halted by referendum, San Francisco's delegation in the lower house of that body will be reduced from twelve to nine and from four senators to one.

Chas. H. Randall was elected by fellow councilmen to the position of the city council of Los Angeles. He immediately accepted the post in an address demanding support of the municipal power bureau. The recent city election overturned a council majority favorable to Mayor John C. Porter. The campaign was waged on the issue of support to the city-owned bureau of power and light.

ALONG THE LINE

Truman Gaylor, 57, of Pittsburgh, Pa., vice-president of the Westinghouse Electric Company, died last Sunday of a heart attack at Shelby, Mich., his boyhood home, where he was spending a vacation with his mother, Mrs. Miranda Gaylor.

O. N. Munn, port engineer of Bellingham, Wash., since 1925, has resigned. As the engineering work planned has been completed, no successor will be appointed.

G. L. Harris has been appointed manager of office systems of the Westinghouse Electric and Manufacturing Company.

Frank B. Grimschaw, retired lumberman of Berkeley, died in that city last Monday, after a week's illness. He formerly had been in business in South Dakota.

D. G. MacDougall has been appointed manager of the Wheeler-Osgood Co. at Los Angeles, being promoted from the position of assistant manager.

R. F. Hammatt, 47 years secretary-manager of the California Redwood Association, has accepted an appointment as assistant regional forester in the U. S. Forest Service with headquarters at Missoula, Mont.

Frank J. O'Hara, formerly assistant chief engineer for the Salt River Valley Water Users' Association, with headquarters in Phoenix, Ariz., has established an office in San Francisco, where he will engage in private practice as a consulting engineer.

New orders for 646 steel boilers were placed in May, 1931, according to reports submitted to the Bureau of the Census by 73 manufacturers, comprising most of the leading establishments in the industry, as compared with 689 boilers in April 1, 1931, and 1283 boilers in May, 1930.

More than 40 lumber firms in Southern California are now selling grade-marked lumber, according to a report by A. A. Kayser, grades inspector of the West Coast Lumbermen's Association in the Southern California district. The following firms have recently signed agreements authorizing them to use the West Coast grade marks: Fox-Woodsum Lumber Co., Glendale; J. & W. C. Shull, Inc., Bell; A. E. Fickling, Long Beach; Atlantic Lumber Co., Bell; Bear State Lumber Co., Long Beach; Geo. M. Huff Lumber Co., Los Angeles.

Ralph M. Hoffman, for 8 years manager of the Seattle office of the Pacific Division of Link-Belt Company, has been appointed vice president and sales manager of that division, with headquarters at 400 Paul Avenue, San Francisco. He succeeds Harold H. Clark, who retired on June 1st.

Allied Electrical Industries, Ltd., capitalized for \$25,000, has been incorporated in San Francisco. Directors are C. M. Briscoe, C. J. Carey and N. Land.

John M. Stahl will operate from 919 Polson Street, San Francisco, under the firm name of Sterling Glass Co.

HERE—THERE
EVERYWHERE

Sacramento Builders' Exchange has endorsed the proposed public works ordinance of City Councilman Arthur Ferguson. The ordinance gives local residents the preference on city public works jobs and compels contractors to pay the prevailing wage scale on jobs done for the city.

The Entertainment Committee of the San Francisco Builders' Exchange is arranging for a picnic to be held next month. The location and date for the affair has not yet been determined.

The Patterson Steel Company of Tulsa, Oklahoma, has investigated the possibilities of the fixed arch roof truss at considerable length. The company has had engineers in its employ as well as the most competent private consulting firms make exhaustive analyses of this type of construction, both welded and riveted, with the result that several structures have been built in which considerable economy has been obtained over other types. One structure, with spans of 212 feet, showed a saving in weight of arch trusses of approximately 50 per cent when compared to the ordinary three-hinged arch. Ingenious methods of erection of the light trusses facilitate the construction greatly.

A recent decision of the Iowa supreme court holds invalid a constitutional amendment providing for an issue of \$100,000,000 state bonds to refund county bonds issued to build primary or state system roads.

San Luis Obispo city council has officially adopted the Uniform Building Code of the Pacific Coast Building Officials' Conference. The law provides for the appointment of a building inspector, whose office is to expire at the pleasure of the city council.

Ernest L. Thompson, city commissioner of Public Works of Oakland, may be a candidate for appointment as superintendent of buildings under the new city administration. The city council recently reduced the salary for the position from \$350 to \$225 a month. Asked if he would take the job for that salary, Thompson declared he would accept it for \$200.

A number of short radio addresses for the use of lumber retailers, associations and others have been prepared by the National Lumber Manufacturers' Association for the benefit of those using radio advertising or having courtesy arrangements which permit their use of broadcasting facilities. These addresses require from one to two minutes of radio time.

Convinced during the progress of the trial that a so-called city ordinance regulating plumbing in Wheatland, Calif., is weak, the court ordered dismissal of the charge brought against C. M. Burchell, who worked at his trade without procuring a license under the ordinance. The jury was nearly selected when counsel for defendant made it apparent he would attack the validity of the ordinance.

Bulletins have been issued by the Bucyrus-Erie Co., South Milwaukee, Wis., describing the model GA-3 1¼-yd. gas plus air convertible excavator and the newly acquired Loadmaster

mobile crane for handling moderate loads. The latter can be equipped with air compressor, power winch, bulldozer or other auxiliary equipment described in the bulletin.

A survey of the European markets for American lumber is being made by Axel H. Oxholm, director for the National Committee on Wood Utilization, for the Bureau of Foreign and Domestic Commerce, Department of Commerce. The results of the survey will be presented in a report upon his return and it is hoped that it will indicate new outlets for American lumber.

In addition to his direct commercial investigations, Mr. Oxholm will be on the lookout for European practices in wood utilization that may be applicable in America. The trip will also yield a report on the present economic situation of the European forest products industries for the United States Timber Conservation Board, Mr. Oxholm being a member of the board's advisory committee. His itinerary covers the principal nations of western Europe, including Scandinavia and England.

Planning to spend more than \$100,000,000 on public buildings, the U. S. Treasury Department has entered the 1932 fiscal year prepared to carry on as speedily as possible its huge construction program.

It holds \$90,000,000 to be spent for federal structures and expects Congress to appropriate additional funds needed to meet the program expanded to alleviate unemployment and to take advantage of low material prices.

Of the amount on hand, \$85,000,000 will go for construction and sites outside the District of Columbia, \$5,000,000 for acquisition of sites in Washington.

The expanded program, which is under Assistant Secretary Heath, was carried on at a cost of approximately \$72,000,000 in the year just closed. Outside the District of Columbia the government spent \$60,000,000 for sites and construction while in Washington it spent \$12,000,000.

As the year ended the treasury had completed 113 buildings at a cost of \$26,897,362, had let 170 contracts for other buildings which will cost \$39,000,000 and had paid \$23,000,000 for its Washington projects. It had called for bids on projects which will cost \$63,000,000.

Sites have been selected and drawing of plans started for 173 other buildings which will cost the government about \$178,000,000. Besides these projects there are pending about 150 others in which sites for new buildings have not been selected. The joint committee of the treasury and post office has been meeting nearly every day recently, examining proposals, submitting sites, checking costs, reviewing reports of agents and making the final selection.

The building program is expected to be concluded in about six years.

The entire public building program as now outlined contemplates the expenditure of approximately \$700,000,000.

Support to the railroads in their fight against the encroachments of other forms of transportation on their business is being given by members of the Associated General Contractors of Missouri. Arguing that the welfare of the entire country depends on the continued healthy condition of established, sound business organizations, these contractors are using "ship by rail" slogans on their stationery.

HOLLYWOOD DAM IS AVERRED A MENACE

With five visible cracks in its face the Mulholland dam immediately behind Hollywood was declared a menace by the Los Angeles City Council last Tuesday in passing a resolution seeking the reservoir's abandonment.

Councilman James M. Hyde, an engineer, introducing the resolution, said the cracks ran from top to bottom.

The danger of Mulholland dam, which overlooks the Hollywood business and a portion of the finer residential district, was first brought to public attention in 1928 when the St. Francis dam in the Santa Clara River valley, collapsed.

It was charged then that both dams were of similar construction.

The resolution was referred to a committee, which will pass on the feasibility of abandoning the structure and report its recommendations to the city water and power department.

BRITISH BUILDING SOCIETIES GETTING TOO MUCH MONEY

British building societies face a new problem born of the depression, according to the European News Bureau of The Business Week. While interest rates and security returns in most fields of investment have shrunk, the societies doggedly have maintained their 5% rate. The increasing flow of funds which has, as a result, been attracted to them is now becoming an actual burden.

There are two reasons for the accumulation of deposits. The first is the decrease in housing construction which has resulted from the depression. The second, also slump-caused, is the desire to keep a larger proportion of liquid funds to cover possible withdrawals in case interest and dividend rates are forced down.

Outwardly the business is prospering. The recently-published 1930 report of the National Association of Building Societies shows that the amounts advanced on mortgages increased 18.8%; receipts were up 21.3%; total mortgage assets advanced 17.9%; other assets 22.9%. Good as these figures seem, mortgage advances are not moving as fast as total incoming funds. In this lies the danger. Obligated to find employment for the large volume of new deposits, the societies may be led away from the narrow traditional mortgage business which has made the movement so strong a sociological force in English working and middle-class life. The fear is that these funds will drift into channels less safe.

Many economists feel that the proposed move to initiate a government-guaranteed building scheme merely to absorb the accumulated funds is not sound.

Judge H. S. Gans, in the superior court at Red Bluff, has granted the motion of A. F. Giddings, a highway contractor of Sacramento, for a change of venue in the case recently filed against him in Red Bluff by H. K. Beresford of Mineral, who claims that Giddings owes him \$1,385.24 for meals served to Giddings' employees while they were engaged in highway work near Mineral. Giddings asked that the case be transferred to the Sacramento County courts because of Sacramento being his place of residence.

JUNE, 1931, BUILDING PERMITS COVERING PACIFIC COAST STATES

The following is a report of building permit statistics covering the states of California, Arizona, Idaho, Nevada, Utah, Oregon and Washington, as received from building department executives in the cities named:

CALIFORNIA

City	June, 1931		June, 1930	
	No.	Cost		
Alameda	58	\$ 182,687	\$	77,576
Albany	22	35,015		27,975
Alhambra	49	91,625		144,250
Anaheim	12	12,100		68,010
Bakersfield	28	58,850		111,622
Berkeley	90	137,378		197,802
Beverly Hills	54	200,305		576,050
Burbank	23	49,060		65,760
Burlingame	11	21,212		39,150
Carmel	7	11,235		16,100
Chula Vista	9	6,575		13,850
Colton	4	1,300		15,000
Compton	24	45,215		110,530
Coronado	18	20,742		16,077
Emeryville	5	181,825		17,780
Eureka	14	10,150		46,735
Fresno	136	88,011		119,682
Glendale	92	250,050		407,915
Hayward	4	6,400		46,883
Huntington Park	24	23,700		157,205
Inglewood	31	55,545		96,450
Long Beach	279	334,925		1,004,575
Los Angeles	2100	4,460,040		5,485,138
Los Gatos	7	11,945		3,200
Lynwood	12	16,200		48,658
Modesto	28	22,137		25,019
Monrovia	23	15,918		22,300
Montebello	9	19,260		11,175
Monterey	26	21,018		60,792
National City	11	1,125		8,617
Oakland	257	643,936		893,199
Oceanside	15	15,869		16,920
Ontario	13	42,950		29,350
Orange	15	23,407		16,750
Pacific Grove	15	35,360		21,735
Palo Alto	40	157,150		415,938
Palos Verdes Estates	3	24,500		37,500
Pasadena	242	364,838		1,261,834
Piedmont	18	22,863		37,043
Pomona	47	33,022		57,429
Redwood City	24	36,470		55,330
Richmond	70	16,865		30,710
Riverside	47	47,855		72,469
Sacramento	134	290,414		175,622
Salinas	30	34,280		150,190
San Bernardino	9	44,075		142,773
San Diego	281	666,167		448,856
San Francisco	575	2,351,799		2,232,809
San Jose	65	95,815		501,990
San Marino	5	43,688		235,727
San Mateo	17	37,910		90,160
San Rafael	15	10,835		22,860
Santa Ana	60	276,939		74,182
Santa Barbara	60	124,525		184,969
Santa Monica	21	6,906		36,045
Santa Rosa	16	15,321		22,925
South Gate	39	33,200		94,000
South Pasadena	30	30,404		122,709
Stockton	48	85,036		100,554
Torrance	9	8,145		20,300
Ventura	8	6,700		25,409
Watsonville	14	15,100		45,175
Willow Glen	6	12,750		62,200
Total	5417	\$12,049,642		\$16,767,618

ARIZONA

Phoenix	37	\$ 122,095	\$	218,955
Tucson	70	305,723		257,389
Total	107	\$ 427,818		\$ 476,344

IDAHO

Lewiston	14	\$ 63,570	\$	14,210
Nampa	27	10,750		9,599
Total	41	\$ 74,320		\$ 23,809

NEVADA

Reno	78	\$ 165,900		\$ 101,800
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UTAH

Logan	6	\$ 24,800	\$	500
Ogden	18	20,220		95,575
Salt Lake City	88	158,867		496,890
Total	112	\$ 203,887		\$ 592,965

OREGON

Albany	5	\$ 1,890	\$ 24,700
Ashland			2,125
Astoria	19	1,513	5,455
Corvallis	13	31,480	85,800
Eugene	43	38,574	57,157
Klamath Falls	38	75,905	67,300
LaGrande	7	4,830	10,955
Marshfield	2	400	15,505
Portland	423	563,405	937,610
Salem	57	21,512	37,827
Total	607	\$ 739,509	\$ 1,245,434

WASHINGTON

Aberdeen	21	\$ 3,335	\$ 10,170
Bellingham	23	26,485	144,545
Everett	63	15,465	39,450
Port Angeles	9	7,952	32,300
Seattle	479	556,180	1,581,855
Spokane	156	131,155	232,474
Tacoma	153	131,500	204,290
Vancouver	15	3,300	11,496
Walla Walla	7	2,850	18,240
Wenatchee	20	20,525	179,600
Yakima	56	88,675	134,280
Total	1002	\$ 987,420	\$ 2,697,710
Grand Total	7364	\$14,648,496	\$21,905,080

Corrosion of Power

Plant Equipment by
Flue Gases Reported

Bulletin No. 228, "The Corrosion of Power Plant Equipment by Flue Gases," by Henry Fraser Johnstone, has just been issued by the Engineering Experiment Station of the University of Illinois.

The developments which have taken place in the design and operation of central power stations in the last decade have been so rapid that the attainment of higher steam temperatures and pressures, higher boiler ratings, longer hours of operation, and lower flue gas temperatures, has greatly decreased the cost of production. At the same time, however, the supply of high grade coal has been diminishing. At present the trend in plant operation is toward the use of lower grade coals in the large power stations where equipment can be assembled to burn it efficiently. Among the problems that have arisen as a result is that of the effect of the combustion products on the equipment. The simultaneous decrease in the exit gas temperatures and the increase in the sulphur content of the coal, as well as a change in the character of the ash, have produced a condition most favorable for corrosion. The deterioration in the economizers and preheaters, especially at temperatures where the metal may exist below the dew-point of the gases, is quite severe. The use of higher operating pressures has also entered into the development of the problem because of the greater prevalence of leaks, a condition which is also favorable to rapid corrosion. In some cases the corrosion has been so severe that the life of a pre-heater tube is not greater than one year and failures in the colder sections of the economizer have taken place in as short a time as three months.

The investigation reported in Bulletin No. 228 of the Engineering Experiment Station of the University of Illinois was undertaken to find out what factors are contributing most to the corrosion, and then study methods of their elimination or their prevention by some other means. The bulletin describes the conditions which are present in flue gases that cause corrosion and some of the steps that may be taken toward their elimination. The reactions that take place in a boiler furnace are discussed and their effect on corrosion and slag formation are brought out. A description of the experimental work carried on in the laboratory on corrosion and its results are also given. These substantiate the ideas of the cause of corrosion suggested by the plant data. The results of tests on various corrosion-resisting alloys and protective coatings under the conditions existing in the flue gases are reported. A description is also given of new methods for the determination of the dew-point and sulphur dioxide and trioxide concentrations in flue gases. Copies of Bulletin No. 228 may be obtained without charge by addressing the Engineering Experiment Station, Urbana, Illinois.

Prediction of earthquakes has become possible, said Prof. Alexander MacArdle, director of the Blue Hills Observatory, of Harvard University, in a paper read recently before the Eastern section of the Seismological Society of America. Referring to the Tokyo earthquake of Sept. 1, 1923, he said that it is possible, though not certain, that the passage of a great cyclone across Japan started the earthquake by releasing ground stresses that had accumulated to critical amounts.

OIL BURNER MANUFACTURERS
WILL HOLD TRADE CONFERENCE

A general conference of oil burner manufacturers to discuss the elimination of unethical trade practices which have been confusing to the public and harmful to the industry will be held at the Royal York Hotel in Toronto on July 13, it was decided at a recent meeting of the executive committee of the American Oil Burner Association. The conference will be held the day before the directors' meeting of the association when most of the country's important manufacturers will be present.

Walter E. Tant, president of the American Oil Burner Association, in announcing the conference, said particular attention would be paid to unethical and unfair advertising. "The oil burner industry is wasting a good proportion of its sales and advertising effort by selling against competition instead of to the public," Mr. Tant

said. "Misleading advertisements are against the public interest and destructive to the industry.

"These and other trade abuses have brought oil burner manufacturers to the realization that we must correct them at once if we are to continue our growth and expansion through this and coming years. Leaders in the industry are approaching this problem in a more constructive manner than ever before and I expect to see the coming conference productive of much good."

The manufacturers will also discuss the dealer's problems in recognition of the importance of a live and vigorous dealer organization. In addition, the entire list of vicious and unethical practices arising from intense competition which, Mr. Tant said, "are not productive and lead to business failures" will be brought up for discussion.

MICHIGAN STATE CEMENT PLANT
DISCONTINUED BY LEGISLATURE

Michigan's state owned cement plant which has been operated since 1922, partly by convict labor, has been closed for an indefinite period, or until such time as it is possible for the state to compete with independent company prices, according to M. H. McGrawgan, superintendent of the plant, a bill providing that the plant must be closed within three years, if not sold in the meantime, was reported without a recommendation by the senate judiciary committee of the state legislature. The bill has already passed both houses, according to "The Constructor."

According to an analysis of the operation of the plant, prepared by R. A. MacMullen, secretary of the General Builders' Association of Detroit, the plant has been operating with a deficit of \$200,000 a year. One of the biggest causes for the deficit is the distance from the marl beds, which are located nearly 200 miles from the site of that plant. The supply of marl near the plant was exhausted before the state took it over, a report of Engineer C. H. Sonntag to the Governor in 1927, stated.

This same report set forth that, in the engineer's opinion, there were too many men employed at the mill and

that a number of free men were rated and paid as foremen, while convicts did much of the work. These men were also receiving disproportionately large wages, he stated, as a bonus system frequently increased their pay by 30 per cent.

Figures for the years 1924 and 1925 were submitted by the engineer showing that cost of clinker at the plant in 1924 was 84 cents and in 1925, 90 1/2 cents. The cost of cement in bins, per barrel, he stated, was in 1924, \$1,268, and in 1925, \$1,305. This progressive increase in cost was indicative of bad management, he pointed out, since the cement industry in general had not had the same experience. Also, the cost for cement in bins was about 40 cents per barrel higher than in modern plants.

In the same year the state's Attorney General reported to the Governor that on January 17, 1927, there were 76 free employees at the plant, their payroll amounting to \$143,000, and 193 convicts of Jackson Prison. This report also covered a number of observations made at the plant, referring in particular to "glaring instances of padding" and to the treatment of the convict workmen as "a reminder of the days of the Spanish Inquisition."

BULK CEMENT HANDLING PLANT

Utilization of existing equipment for handling bulk cement has enabled the George C. Harro Co., Warren, Ohio, to develop a complete plant for handling bulk cement from railroad car to the batch mixer, including the accurate weighing of the cement content of each batch. Unusually economical in labor, this set-up also results in rapid and efficient loading of the batch trucks and in the virtual elimination of cement losses. Engineering News-Record reports.

From the railroad car the cement is conveyed to a loading platform by Turn-Lo cement carts especially designed for this purpose. Each of these consists, essentially, of a revolving drum mounted on a pair of wheels. The lip of the drum is only 25 inches from the floor, and its capacity is sufficient for a 7½-sack batch of cement. After the carts are loaded they are wheeled to a platform scale, where the weight is adjusted to secure the exact amount of cement needed for a batch. From the scale the carts are wheeled to position over movable chutes, to which they are connected by a steel apron attached to the bottom and so fastened that when the car is moved the chute moves with it. When a truck stops beneath the charging platform, carts and chutes are moved as units into position over Turn-O-Matic cement boxes mounted on the truck. Transfer of the cement is accomplished quickly, with a minimum of dust, by simply turning over the revolving drum. One, two or three batches of cement can be discharged simultaneously, according to the truck capacity.

The loading plant is usually operated by four men, three to load and operate carts and one to open and close the lids of the truck boxes. Sometimes an additional man is used to help load the carts. Contractors report that they are handling between 500 and 600 barrels of cement per day and that the work is easier on the men than handling sacks. Advantages of the system include savings in money due to purchasing cement in bulk, elimination of investment in sacks and for labor in emptying, gathering up and bundling sacks; quicker action at the paver; and the possibility of storing batches in the truck for an indefinite period in case of a sudden storm or a breakdown of the mixer.

ACTION NEEDED ON BRIDGE CLEARANCES SAYS C. E. GRUNSKY

Definite action by the International Congress of Navigation at its next meeting on the subject of limitation of vertical clearance of seagoing ships is urged by C. E. Grunsky, of San Francisco, president of the American Engineering Council. In a communication to M. J. Millicam, of Brussels, general secretary of the Permanent Association of Navigation Congresses, Mr. Grunsky points out that the action of the 12th International Congress in 1912 defeating resolutions urging such limitation should be reversed.

Stating that the size of seagoing ships is closely associated with the height of bridges, Mr. Grunsky declares that what is needed at the earliest possible moment is a declaration by some international organization, such as the Permanent International Association of Navigation Congresses, that same vertical clearance would fulfill every reasonable requirement, as, for example, about 175 ft.

"To this vertical clearance," he says, "any vessel of whatever type or

of whatever size can adjust its top works. It seems obvious that no ship, no matter how large, need have funnels which, when the ship is light, will have its top at a greater height than 160 ft. above the water. It is obvious too that where, at the whim of an owner or of a marine architect, masts are wanted which go to a greater height than 160 ft., these masts can be so arranged that their top sections can be lowered."

L. A. YARDS ISSUE RETAIL LUMBER LIST

A new retail lumber list for Los Angeles yards—List S—was made effective June 24. Readjustment of prices for various items of fir has been made.

The price of 1x3 No. 1 common Douglas fir has been increased \$1 per thousand. Reductions of \$2 to \$3 per thousand have been made on No. 1 Common dimension fir except 3x4, 4x4 and 4x6. No. 2, and No. 3 Common Douglas fir, 1x4, have also been advanced \$1 per thousand.

A readjustment of prices for interior finish has also been made. Battens and drawer bottoms are reduced \$2; vertical grain flooring is down \$5 and flat grain is down \$3 per thousand. Fir ceiling is reduced \$3, fir stepping \$5 and rough clear dimensions are down \$8. Prices of red cedar shingles are quoted 5 to 25 cents lower.

SOUTHERN HARDWOOD PRODUCTION DROPS

Southern hardwood production has dropped to 35 per cent of normal, according to a Memphis report in the American Lumberman. Manufacturers do not want to continue to pile up hardwoods, with prices below cost of production and stocks on hand ample for several months. The demand continues nearly 50 per cent of normal, with shipments at about the same figures. The automobile manufacturers continue to buy hardwoods not only for immediate delivery but for delivery through the fall months at exceptionally low prices. The other domestic consumers are only buying from hand to mouth. There continues some demand from retail lumber dealers, sash and door and interior trim manufacturers, but it is very spotted. Manufacturers of flooring are buying only fair amounts, and orders are not up to the previous weeks' totals.

AMTORG TO ISSUE TECHNICAL MAGAZINE

"American Engineering and Industry," a monthly technical magazine issued in this country for circulation exclusively in the Soviet Union, will publish a special Seventh Anniversary Number next October, according to an announcement of the Publishing Division of the Amtorg Trading Corporation, 261 Fifth Avenue, New York. The Amtorg Trading Corporation handles the bulk of purchases of American products for the Soviet Union, which amounted to about \$150,000,000 last year. In 1930 the Soviet Union was the largest buyer of American agricultural machinery and held the second place in imports of American industrial machinery.

"American Engineering and Industry" has been instrumental in acquainting Soviet executives and engineers with the latest developments in American industrial technique. Over 25,000 copies of this publication, which is regarded in Soviet technical circles as one of the best sources of information regarding American products, are distributed among industrial and trade

organizations in the U. S. S. R.

During the current year, which is the third year of the operation of the Five-Year Plan, over 3½ billion dollars will be invested in Soviet industrial construction. Much of the necessary equipment will be imported from abroad, especially from the United States and the most industrialized European countries, such as Germany, England and Italy. While in the pre-war years Russian engineers had only a slight acquaintance with American technique, the new Soviet engineers are intensely interested in American technology and equipment. The publication of the special Anniversary Number of "American Engineering and Industry" is expected to be of considerable aid in drawing the attention of Soviet industrialists to American products.

Effect of Thermal Shock on Clay Bodies

The study of the effect of thermal shock on clay bodies, reported in Bulletin No. 229 of the Engineering Experiment Station of the University of Illinois, was made as a part of a general investigation of the physical properties of twenty commercial shale and fireclay bodies, ranging in softening point from cone 7 to cone 30, corresponding approximately to temperatures of 2250 and 3000 deg. F., respectively. It was undertaken primarily for the purpose of developing a method for making comparisons of the resistance of bodies to thermal shock on a quantitative basis, and of establishing relations between physical properties and resistance to thermal shock by means of which resistant bodies could be designed and plant control of their manufacture effected.

The purposes of this bulletin were to describe the method briefly, presenting only sufficient data to indicate, in part mathematically, the relation between these properties and resistance to thermal shock; and to discuss the published data and conclusions of other investigators on the basis of the results obtained in the present investigation.

The results of the investigation indicated that: In general, initial strength, modulus of elasticity, and per cent reduction in strength increase and porosity decreases as strength after thermal shock increases to a maximum and then declines; as grog is added to a clay the initial strength and modulus of elasticity decrease, while strength after thermal shock increases to a maximum, and then declines. Previously published conclusions of other investigators are contradictory because they apply only to limited fields in each case.

Copies of Bulletin No. 229 may be obtained without charge by addressing the Engineering Experiment Station, Urbana, Illinois.

A 30 per cent increase in Blue Book special report business during June, as compared with a year ago, indicates cautious buying in all quarters on a comparative small volume of trade, the Lumbermen's Blue Book reports to "The Lumber Market."

A much larger volume of collection claims is reported for June, 1931, tho the average claim is slightly less. Collections have been, and still continue much more difficult than a year ago. The Blue Book is the lumber industry's own credit service.

Bankruptcies in the lumber trade reported to the Blue Book during June were 18 compared with 10 for the same month last year. Receiverships also increased, there being 10 compared with 6 last year. There were also assignments, 4 compared with 2 last year, and 8 creditors' meetings, all of which showed slight increases over a year ago.

Building News Section

APARTMENTS

Preparing Plans.
APARTMENTS Cost, \$15,000
SAN MATEO, San Mateo Co., Cal.
 Two-story frame apartment and store building.
 Owner—Martin Stelling, 155 Montgomery St., San Francisco.
 Architect—Bertz, Winter & Maury, 210 Post St., San Francisco.

Sub-Bids Being Taken.
APARTMENTS Cost, \$35,000
SAN FRANCISCO, NE Fillmore and North Point Sts.
 Three-story and basement frame and stucco apartments (18 2- 3- and 4-room apts.; tar gravel roof, steam heating system, tile baths, and kitchens, etc.)
 Owner & Builder—Ben Liebman, 1555 Francisco St.
 Architect—F. W. Quandt, 2800 Filbert Street.

Owner Taking General and Segregated Bids.
APARTMENTS Cost, \$250,000
OAKLAND, Alameda Co., Cal. East 12th St. near Third Avenue.
 Nine-story class A reinforced concrete apartments and stores (56 2- and 3-room apts.; 1 5-room apt.; vacuum steam heating).
 Owner—L. J. Newton, 1130 First Ave., Oakland.
 Plans by Thomas Keenan, 1440 Broadway, Oakland.

BONDS

ISLETON, Sacramento Co., Calif.—City votes bonds of \$18,400 to finance erection of a new firehouse and the purchase of fire fighting apparatus.

BAY POINT, Contra Costa Co., Cal.—Bonds in the amount of \$10,000 were defeated July 7 to finance construction of an addition to the elementary school.

CHURCHES

Art Glass & Pew Contracts Awarded.
CHURCH Cont. Price, \$55,500
PITTSBURG, Contra Costa Co., Cal.
 NW Black Diamond and W Eighth Streets.
 Two-story reinforced concrete church with steel roof trusses (120x42-ft.).
 Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St. San Francisco, a corp. Sole (St. Peter Martyr Parish), Rev. Louis A. Nasseti, rector.

Architect—Arnold Constable, 580 Market St., San Francisco.
 Contractor—Larsen and Larsen, Russ Bldg., San Francisco.
 Will have full basement for Parish Hall and auditorium with seats for 700. Will have stucco finish, tile roof and be of Italian Romanesque style of architecture.

Art Glass—Church Art Glass Co., 359 Waller St., San Francisco, \$1,517.
 Pew—American Seating Co., 650 2nd St., San Francisco, \$4,450 (oak pews, screens and kneelers, etc.)

Site Purchased.
CHURCH Cost, \$—
SACRAMENTO, Sacramento Co., Cal.
 NW 23rd and M Sts.
 Church.

Owner—Christian Science Church, C. H. Krebs, 1008 7th St., Sacramento in charge.

Architect—Not Selected.
 Agent—C. R. Jones, Hickman Coleman Co., Sacramento.

Contract Awarded.
CHURCH Cost, \$65,000
BAKERSFIELD, Kern Co., Cal. 18th and C Streets.

Reinforced concrete church (terra cotta tile roof).
 Owner—First Church of Christ Scientist, Mrs. Hans A. West, chairman of Building Committee.

Architect—Edwin J. Symmes, Habersfelde Bldg., Bakersfield.
 Contractor—G. A. Graham, 613 19th St., Bakersfield.

Auditorium will seat 500 persons and walls will be surfaced with acoustic plaster and decorated "acoustic-celotex" will be used in the dome ceiling. An organ, heating, ventilating and cooling systems will be installed.

Heating and ventilating awarded to Smeitzer Plumbing Co., 2728 Chester Avenue, Bakersfield, and the electric work to the Advance Electric Co., 909 18th St., Bakersfield.

Contract Awarded.
CHURCH Cost, \$12,000
DAVIS, Yolo Co., Cal.
 One-story reinforced concrete church seating capacity, 250; terra cotta tile roof; gas furnace; cast stone; 36x74-ft.).

Owner—Roman Catholic Archbishop of Sacramento (Rev. J. A. Grealy, parish priest), Winters.
 Plans by George Rossi, 865 Bayshore Highway, San Mateo.
 Contractor—J. G. Motroni Mill & Lbr. Co., Ltd., Woodland.
 Tile roofing and plumbing bids are wanted by contractor.

FACTORIES AND WAREHOUSES

Plans Being Prepared.
LAUNDRY Cost, \$—
SAN FRANCISCO. Adjoining 301 8th Street.

Two-story and basement reinforced concrete laundry.
 Owner—Galland Mercantile Laundry, 301 8th St.
 Architect—Hyman and Appleton, 68 Post Street.

SKILSAW Portable Electric Hand Saws (4 models).

SKILSAW Portable Electric Sander
SKILSAW Radial Arm Attachments.

SYNTRON Portable Electric Hammers (4 models, motorless).

MALL Flexible Shaft Machines (50 models).

Electric Drills, Grinders, Buffers, Routers, Lock Mortisers.

PETER H. NELSON

Labor Saving Portable Electric Tools.

1248 Mission St. Underhill
 San Francisco 7862
 SALES . SERVICE . RENTALS

Structural Engineer—Ellison & Itusell, Pacific Bldg.
 Bids will be taken in about 3 weeks.

Bids Opened.
ELECTRIC WIRING Cost, \$—
OAKLAND, Alameda Co., Cal. Outer Harbor Terminal.
 Electric wiring for light and power for 2-story reinforced concrete warehouse ("C") superstructure 210x230-ft.).

Following is a complete list of bids:
 Owner—City of Oakland (Port Commission), 424 Oakland Bank Bldg., Oakland.

Plans by Eng. Dept. of Owner.
 G. W. Coupe, 1540 Webster St., Oakland \$3,617
 T. L. Rosenberg, Oakland 3,797
 Matson-Seabrooke Co., Oakland 4,000
 Pacific Elec. Motor Co., Oakland 4,124
 Kenyon Elec. Co., Oakland 4,165
 F. W. Parkhurst, Oakland 4,250
 Bids held under advisement.

Revised Plans Being Completed.
WAREHOUSE Cost, \$75,000
SAN FRANCISCO. Brannan Street.
 One-story concrete warehouse (steel sash, galvanized iron, 100 ft. frontage).

Owner—Vermont Marble Co. 244 Brannan Street.
 Architect—Lewis P. Hobart, Crocker Building.

Concrete and Lumber Contracts Awarded.

WAREHOUSE Cost, \$20,000
OAKLAND, Alameda Co., Cal. South Seventh St. E Fallon St.
 One-story reinforced concrete warehouse.

Owner—George R. Borrmann Steel Co. 4th and Grove Sts., Oakland.
 Engineer—H. W. Bolin, Financial Center Bldg., Oakland.

Contractor—H. J. Christensen, Ray Bldg., Oakland.

Concrete—Makin & Kennedy.
 Lumber—Sunset Lumber Co., 400 High St., Oakland; E. K. Wood Lumber Co., Frederick and King Sts., Oakland, and Boorman Lumber Co., 10035 E 14th St., Oakland.

Contract Awarded.
SHED Cont. Price, \$1094
LIVERMORE, Alameda Co., Cal.
 Implement shed (corrugated iron with concrete foundation).

Owner—City of Livermore.
 Architect—City Engineer, L. E. Wright Livermore.

Contractor—Neils Jensen, College and J Sts., Livermore.
 Only other bid submitted by Bennett Cardini, Livermore, at \$1462.

Plans Being Figured—Bids Close July 15, 2:30 P. M.

AIRPORT LIGHTING Cost, \$1500
SAN FRANCISCO. Mills Field Municipal Airport.

Lighting equipment and installation.
 Owner—City and County of San Francisco, S. J. Hester, Sect'y, Board of Public Works.

Plans by Bureau of Engineering, 3rd floor, City Hall.

The work will involve (a) furnishing and installing obstacle lights on the roofs of the Administration Bldg. and Hangars Nos. 1, 2, 3 and 4; (b) furnishing and installing a floodlight on the ridge of each hangar; (c) furnishing and installing four floodlights on Hangar No. 1; (d) removing all ex-

isting roof lighting fixtures on Administration Bldg. and all hangars, with the exception of those shown on plan, remaining fixtures altered as specified.

Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineering, 3rd floor, City Hall, on deposit of \$10, returnable.

FLATS

Plans Being Figured.

PLATS & HUNGALOW Cost, \$16,000
SAN FRANCISCO. NE corner Collingwood and 21st St.

Two-story and basement frame and stucco flats (2 6-room flats) and one-story frame and stucco bungalow (7 rooms, composition roof, hardwood floors, tile baths, gas hot air heat).

Owner and Builder—Mr. and Mrs. J. R. Jackson, 441 Jones St.
Architect—R. R. Irvine, Call Bldg.

Following contractors will submit general bids:

T. H. Johanns, 741 14th St.
B. Lindemann San Francisco.

GARAGES AND SERVICE STATIONS

Contract Awarded.

SERVICE STATION Cost, \$7000
SACRAMENTO, Sacramento Co., Cal.
Fifteenth and N Streets.

Service station (steel frame construction).

Owner—General Petroleum Co., 1924 Broadway, Oakland.

Plans by Owner's Engineers.

Contractor—Arthur J. Wilkins, premises.

Construction Postponed.

SALES BLDG. Cost, \$—
SAN FRANCISCO. Van Ness Avenue and Howard Street.

One-story and basement bldg. (either reinforced concrete or frame and stucco construction).

Owner—Pacific Tire Sales Co., 982 Post Street.

Architect—S. A. Colton, 3020 Balboa Street.

Construction is postponed for six months.

Plans Being Prepared.

SERVICE STATION Cost, \$6000
OAKLAND, Alameda Co., Cal.
Steel frame service station.

Owner—Withheld.

Architect—W. J. Wilkinson, 4268 Piedmont Ave., Oakland.

Segregated bids will be taken shortly.

Plans Being Prepared.

SERVICE STATION Cost, \$6000
NEAR SANTA ROSA, Sonoma Co., Calif.

Steel frame service station.

Owner—Withheld.

Architect—W. J. Wilkinson, 4268 Piedmont Ave., Oakland.

Segregated bids will be taken shortly.

To Take Bids In Two Weeks.

SERVICE STATION Cost, \$15,000
REDWOOD CITY, San Mateo Co., Cal.
Bayshore Highway.

Super service station (steel frame construction).

Owner—General Petroleum Co., 1924 Broadway, Oakland.

Plans by Owner's Engineers.

To Take Bids In Two Weeks.

SERVICE STATION Cost, \$8000
SAN FRANCISCO. Army and Valencia Streets.

Service station (steel frame construction).

Owner—General Petroleum Co., 1924 Broadway, Oakland.
Plans by Eng. Dept. of Owner.

GOVERNMENT WORK AND SUPPLIES

Plans Being Figured—Bids Close July 31, 2:30 P. M.

GAS BURNERS Cost, \$—
LIVERMORE, Alameda Co., Cal.

Installation of gas burners in boilers and gas piping in Central Heating Plant at Veterans' Hospital.

Owner—United States Government.

Plans by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto.

Bids are being received by the Supervising Superintendent of Construction at Palo Alto, from whom plans may be obtained.

Contract Awarded.

STABLES Cont. price, \$18,511
MONTEREY PRESIDIO, Monterey Co., Calif.

Two frame stables with conc. floors (fire resisting roofs).

Owner—United States Government.

Plans by Constructing Quartermaster, Monterey.

Contractor—Newman & Halsted, 4th and Eardley, Pacific Grove.

Plans Being Prepared.

POST OFFICE Cost, \$450,000
RENO, Washoe Co., Nevada.

Three-story class A post office.

Owner—United States Government.

Architect—F. J. DeLongchamps, Gazette Bldg., Reno.

OAHU, Hawaii.—Thomas Haverly Co., 316 E Eighth St., Los Angeles, awarded contract at \$2,030,445 by the Bureau of Yards and Docks, Navy Department, on June 17 for the complete construction of buildings, roads, railroads and services at the Naval Ammunition Depot, Cahu, T. H. The work includes the construction of 131 buildings and approximately 11½ miles of railroads and 14½ miles of roads, including concrete construction, steel windows, metal doors, metal studding and lath, marble and tile work, composition flooring, wood framing and finish, structural steel and miscellaneous steel and iron work, asbestos shingles, steel (insulated) and built-up roofing, corrugated asbestos siding, lightning protection systems, and inside and outside plumbing, electrical and water supply systems. Contract awarded on Items 8, 10 and 14.

MONTEREY, Colo.—Schuler & McDonald, Inc., 1723 Webster St., Oakland, Calif., at \$140,000, using limestone and \$137,000 using terra cotta, submitted low bid to Supervising Architect, Treasury Dept., to erect post-office at Montrose, Colo. Wm. McDonald Const. Co., St. Louis, Mo., next low at \$142,660 for limestone and \$133,330 for terra cotta.

SAN DIEGO, Cal.—Until 11 A. M., July 28, bids will be received by the 11th Naval District, Public Works Office, San Diego, for one electric traveling bridge crane at the Naval Operating Base (Air Station), San Diego; Specifications No. 6472. The crane shall have a capacity of five tons and a span of 46 feet 5 inches, center to center of runway rails; it shall be equipped with 3-phase, 220-volt, 60-cycle motors. The work shall include the furnishing and installing of the crane complete with all accessories, including ladder from mezzanine floor to crane foot-walk; runway and trolley conductors; conduit and wire from runway conductors to the switchboard and certain modifications in existing switchboard.

Specifications obtainable from above office on deposit of \$10, checks for same to be made payable to Chief of the Bureau of Yards and Docks.

LIVERMORE, Alameda Co., Calif.—Sunnyvale Plumbing & Heating Co., Sunnyvale, at \$9,300 submitted lowest bid to Supervising Superintendent of Construction, U. S. Veterans' Hospital at Palo Alto, for additions and revisions to underground heating system at the U. S. Veterans' Hospital at Livermore. This work will consist of uncovering existing steam and hot water pipes, etc., constructing new concrete and vitrified clay pipe tunnels, as required, installing new steam supply and return pipes, including traps, valves, fittings, etc., constructing drains, removing old covering now in place, applying new non-conducting covering, cleaning, cutting, patching, painting and backfilling.

Following is a complete list of bids: Sunnyvale Plumbing & Heat-

ing Co., Sunnyvale	\$ 9,300
Geo. C. Bell, Oakland	11,800
A. Holyoake, Hayward	12,000
George Schuster, Oakland	12,350
Geo. B. Moore, Palo Alto	12,530
Herman Lawson, San Francisco	12,800
T. C. Douglass, San Francisco	12,271
H. Sneed, Berkeley	13,445
Carpenter & Mendenhall, Sacto.	14,200
C. Dudley DeVelbiss, S. F.	14,485
Carl T. Doell, Oakland	16,413
N. H. Sjoberg, S. F.	18,248

Bids referred to Washington for award.

MONTEREY, Monterey Co., Calif.—Until Aug. 6, 3 P. M., bids will be received by U. S. Engineer Office, Customhouse, San Francisco, for furnishing stone and constructing breakwater in Monterey Bay. Project involves: Furnish and place 200,000 tons of stone, as follows:

- (1) 300 to 500 pounds.
- (2) 50% 2-tons each.
- (3) 5 tons or over.
- (4) 10 tons or over.

Specifications and further information obtainable from above office.

PEARL HARBOR, T. H.—The von Hann Young Co., Ltd., Honolulu, T. H., at \$14,098, under Spec. No. 6477, awarded contract by Bureau of Yards and Docks, Navy Department, to construct concrete mixing plant at Pearl Harbor.

LAS VEGAS, Nev.—Until July 22, bids will be received by Supervising Architect, Treasury Depart., Washington, D. C., to furnish and install one passenger elevator in post office and courthouse at Las Vegas, Nevada. Plans obtainable from above office.

SACRAMENTO, Cal.—Until July 20, 3 P. M., under Order No. 3524-Stk.95, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver 7 fire extinguishers, 1-quart, with brackets; Pyrene, or equal. Specifications obtainable from above.

Plans Being Figured—Bids Close Aug. 26, 11 A. M.

ELEVATOR Cost, \$—
PEARL HARBOR, T. H.

Install electric freight elevator at Naval Operating Base (Spec. No. 6557).

Owner—U. S. Government.

Plans by Bureau of Yards and Docks, Navy Dept., Washington, D. C.

Bids are being received by the Bureau of Yards and Docks, Navy Dept., Washington, D. C. Plans obtainable from Public Works Office, 12th Naval District, 100 Harrison St., San Francisco, on deposit of \$10, returnable, checks for same to be made payable to the Bureau of Yards & Docks.

Date of Opening Bids Postponed Until July 14, 11 A. M.

ELEVATOR. Cost, \$—
SAN FRANCISCO. The Presidio. Install one full automatic push button control, electric passenger elevator in Ward Building G-2 at Letterman General Hospital.
Owner—United States Government.
Plans by Constructing Quartermaster, Fort Mason.

Specifications obtainable from Constructing Quartermaster at Ft. Mason.

SACRAMENTO, Cal.—Until July 17, 3 P. M., under Order No. 3523-Sac.106, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver 10 fire extinguishers, 1-quart, with brackets; Pyrene or equal. Specifications obtainable from above.

HOUSTON, Texas.—Robert E. McKee, 1913 Texas St., El Paso, Texas, has been awarded a contract at \$514,900 by the Treasury Department for extension and remodeling of the U. S. post office and court house at Houston.

PEARL HARBOR, T. H.—W. P. Thurston Co., Richmond, Va., has been awarded a contract at \$61,900 by the Bureau of Yards and Docks for the construction of a submarine escape training tank at Pearl Harbor, T. H. Spec. No. 6371.

SEATTLE, Wash.—Following is a partial list of prospective bidders, in addition to those previously reported, to erect Federal Office Building at Seattle, bids for which will be opened by the Supervising Architect, Treasury Department, Washington, D. C., on July 21:

Wenzler & Ward, Inc., 2424 Fourth Ave., Seattle, Wash.

Rt. E. McKee, Central Bldg., Los Angeles, Calif.

Hans Pederson, 1105 Second Avenue, Seattle, Wash.

Clinton Construction Co., East Marginal Way, Seattle, Wash.

Western Construction Co., Seaboard Bldg., Seattle, Wash.

MacDonald & Kahn Co., Ltd., Financial Center Bldg., San Francisco.

A. W. Quist, Exchange Bldg., Seattle, Wash.

C. C. Cawsey, Title & Trust Bldg., Seattle, Wash.

R. E. Campbell, 108 W. 6th St., Los Angeles.

General Constr. Co., Colman Bldg., Seattle, Wash.

Elvind Anderson, 517 N. Eye St., Tacoma, Wash.

Chrysler & Snyder, 906 Smith Tower, Seattle, Wash.

N. P. Severin Co., 222 W. Adams St., Chicago.

Elevators

Following is a partial list of prospective bidders for the elevators in connection with this project:

Warsaw Elevator Co., 227 Fulton St., New York City.

Reliance Elevator Co., 212 Kinzie St., Chicago.

A. E. See Elevator Co., Inc., Washington.

Atlantic Elevator Co., Erie Ave. and D St., Philadelphia.

Westinghouse Electric Elevator Co., 30th and Walnut Sts., Philadelphia.

Otis Elevator Co., Washington.

Haughton Elevator & Machinery Co., Washington.

General Electric Co., Schenectady, New York.

R. G. Wilfond, Box 510, Raleigh, N. C.

American Elevator & Machinery Co., 500 E. Main St., Louisville, Ky.

LAS VEGAS, Nevada.—Following is

a partial list of prospective bidders

to erect the post office at Las Vegas,

Nev., bids for which will be opened by the Supervising Architect, Treasury Department, Washington, D. C., on July 22nd:

Munroe & Westcott, Inc., 24 Elm St., North Attleboro, Mass.

Ryberg-Sorensen, Inc., Electric Railway Bldg., Salt Lake City, Utah.

Therlaunt Contracting Co., 534 E. Johnson St., Phila.

H. W. Underhill Constr. Co., Oliver-Eagle Bldg., Amarillo, Texas.

Robert E. McKee, Central Bldg., Los Angeles.

James J. Burke & Co., Kearns Bldg., Salt Lake City, Utah.

Orndorff Construction Co., 437 S. Hill St., Los Angeles.

James I. Barnes, Logansport, Ind. Schuck Constr. Co., 1937 W. 62nd St., Los Angeles.

R. E. Campbell, 108 W. 6th St., Los Angeles.

Kaiser & Ducett Co., Rialto Square Bldg., Joliet, Ill.

Campbell Bldg. Co., Salt Lake City, Utah.

Plains Constr. Co., Pampa, Texas. Chas. A. Kampe, 26 12th St. East, Salt Lake City, Utah.

T. H. Johnson, Citizens Bank Bldg., Sedalia, Mo.

Schuler & McDonald, 1723 Webster St., Oakland, Calif.

Felph-Drake Co., Inc., Minneapolis, Minn.

MacDonald & Kahn Co., Ltd., Financial Center Bldg., San Francisco.

Herbert M. Baruch Corp., Lincoln Bldg., Los Angeles.

McCarthy Bros. Constr. Co., Roosevelt Bldg., St. Louis, Mo.

H. Mayson, 9315 S. Hooper Ave., Los Angeles.

Los Angeles Contracting Co., 4816 W. Pico Blvd., Los Angeles.

English Constr. Co., Washington.

G. C. Campbell Bldg. Co., California Bank Bldg., San Diego, Calif.

Holmboe Constr. Co., Petroleum Bldg., Oklahoma City, Okla.

Elevators

Following is a partial list of prospective bidders on the elevators in connection with the Las Vegas Post Office project:

Reliance Elevator Co., 212 Kinzie St., Chicago.

A. E. See Elevator Co., Inc., Washington.

Warsaw Elevator Co., 227 Fulton St., New York City.

Atlantic Elevator Co., Erie Ave. and D St., Phila.

Westinghouse Electric Elevator Co., 30th and Walnut Sts., Washington.

Otis Elevator Co., Washington.

Haughton Elevator & Machinery Co., Washington.

General Electric Co., Schenectady, New York.

R. G. Wilfond, Box 510, Raleigh, N. C.

American Elevator & Machinery Co., 500 East Main St., Louisville, Ky.

FORT WORTH, Texas.—Ralph Solitt & Sons Const. Co., Chicago, submitted the low bid of \$1,017,000 to the Treasury Department for construction (except elevators, dumbwaiter and lighting fixtures) of the U. S. post office at Fort Worth, Texas. Bellows-McLay Const. Co., Dallas, at \$1,036,000, second low bidder, and Great Lakes Const. Co., Chicago, at \$1,058,000 was third. **Elevators**—Otis Elevator Co., \$39,714; American Elevator & Machine Co., \$41,357; Haughton Elevator & Machine Co., \$43,368; Shepard Elevator Co., \$46,200.

HALLS AND SOCIETY BUILDINGS

Plans Being Figured.

BUILDING Cost, \$40,000

SAN FRANCISCO. Joyce and Clay Streets.

Two-story reinforced concrete building (Chinese style).

Owner—Chinese Y. W. C. A., 897 Sacramento Street.

Architect—Miss Julia Morgan, Merchants' Exchange Bldg.

K. E. Parker, 125 South Park, is the only general contractor figuring the plans. He is taking sub-bids on all portions of the work.

GUADALUPE, Santa Barbara Co., Cal.—A. Hensen, Santa Maria, has been authorized by the Santa Barbara county supervisors to prepare plans for a Veterans' memorial building to be erected here.

To Take Bids In About Ten Days.

MEMORIAL BLDG. Cost, \$60,000

GRASS VALLEY, Nevada Co., Calif. S Auburn Street.

One- and two-story reinforced concrete veterans' memorial building.

Owner—County of Nevada.

Architect—Wm. E. Coffman and M. W. Sahlberg, Forum Bldg., Sacramento.

Segregated Bids Being Taken.

BOAT & CLUB HOUSE Cost, \$25,000

VALLEJO, Solano Co., Cal.

One-story club and boat house (rustic type, club, lounging and dining rooms, outside lockers, quarters for attendants, floats for anchorage, etc.).

Owner—Withheld.

Architect—W. J. Wilkinson 4268 Piedmont Ave., Oakland.

Contract Awarded—Sub-Bids Being Taken.

ALTERATIONS Cost, \$20,000

SALINAS, Monterey Co., Cal.

Extensive alterations and additions to two-story brick and wood frame club building.

Owner—Knights of Pythias.

Architect—Koepf & Campbell, McDougall Bldg., Salinas.

Contractor—H. H. Larsen Co., 64 South Park, San Francisco.

Sub-bids are wanted on all portions of the work.

Prospective Bidders.

MEMORIAL BLDG. Cost, \$17,000

FORT BRAGG, Mendocino Co., Cal.

One-story concrete Veterans' Memorial Bldg. (concrete walls, terra cotta tile roof, maple floors, furnace heat).

Owner—County of Mendocino.

Architect—P. L. Dragon, Mercantile Bank Bldg., Berkeley.

F. W. Nelson, 630 McPherson St., Fort Bragg.

J. W. Cobby & Son, 260 Tehama St., San Francisco.

F. R. Siegrist, 604 Mission St., San Francisco.

N. H. Sjöberg & Sons, Call Bldg., San Francisco.

David Nordstrom, 354 Hobart St., Oakland.

Petaluma Constr. Co., 110 Mountain View, Petaluma.

Bids to be opened July 14, 10:15 A. M.

HOSPITALS

Bids To Be Opened August 12, 2:30 P. M., for Granite Work.

HEALTH CENTER Cost, \$850,000

(Granite cost \$125,000)

SAN FRANCISCO. Polk and Grove Streets.

Granite work for 4-story and basement reinforced concrete class. A health center, emergency hospital and office building.

Owner—City and County of San Francisco.

Architect—S. Heiman, 57 Post Street, Structural Engineers—Ellison & Russell, Pacific Bldg.

Bids are being received by S. J.

Hester, secretary of the Board of Public Works, for furnishing, fabricating, delivery and erecting structural steel. A bond of \$31,250 will be required of the successful bidder. Certified check 10% payable to the Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Architecture, 2nd floor, City Hall, on deposit of \$50, returnable.

Plans Being Figured—Bids Close Aug. 4, 2 P. M.

DETENTION BLDG. Cost, \$—
TEHAUHAU, Kern Co., Cal.
Two-story reinforced concrete detention building at California Institute for Women (floor area of approximately 17,500 sq. ft.)
Owner—State of California.
Plans by State Department of Public Works, Division of Architecture, Public Works Bldg., State Bldg., Sacramento (Geo. B. McDougall, state architect).

The structure will be two stories in height with reinforced concrete foundations, floors, walls, concrete and the partitions, wood roof construction and tile and composition roof. Separate bids are wanted for:

- (1) General work, embracing all branches of the work except electric, plumbing and heating.
- (2) Electric work.
- (3) Plumbing work.
- (4) Heating work.
- (5) Combined plumbing and heating.

Sub-Bids Being Taken.

HOME Cost approx. \$175,000
SAN FRANCISCO, University and Cambridge Streets.

Two- and three-story reinforced concrete and brick home for aged.
Owner—University Mound Old Ladies' Home.

Architect—Alfred Coffey and Martin Rist, Phelan Bldg.

Contractor—J. E. Scully, Phelan Bldg.
Sub-bids are wanted on all portions of the work.

Plans Being Figured.

ADDITION Cost, \$150,000
LOS ANGELES, Cal. No. 610 S. St. Louis Street.

Two-story Class A reinforced concrete hospital addition (6x170 ft.); tile and composition roof, steel rolling doors, etc.)

Owner—Santa Fe Coast Lines Hospital Association.

Architect—H. L. Gilman, Kerckhoff Bldg., Los Angeles.

Preparing Plans.

ADDITION Cost, \$15,000
AUBERRY, Fresno Co., Cal.

Frame addition to tubercular sanitarium (20-bed capacity; redwood siding, composition shingle roof, steam heating system, tile floors, baths and showers).

Owner—County of Fresno, D. M. Barnwell, county clerk.

Architect—Charles Butner, Gilkbar Bldg., Salinas, and Cory Bldg., Fresno.
Plans will be ready for bids in about two weeks.

Painting and Tile Contracts Awarded.
WARD UNIT Cost, \$60,000
TALMADGE, Mendocino Co., Cal.

Two-story concrete Ward Bldg. No. 14
Owner—State of California.

Architect—State Department of Public Works, Division of Architecture, Geo. B. McDougall, State Architect, Public Works Bldg., Sacramento.

Contractor—The Minton Co., Palo Alto

Painting—F. L. Bechtol, Ukiah.
Tile—Mangrum-Holbrook Co., 1235 Mission St., San Francisco.

Other awards previously reported.

Contract Awarded.

GRADING Cont. price, \$10,885
YOUNTVILLE, Napa Co., Cal.

Rough excavating and grading site for hospital building.

Owner—State of California.

Plans by State Department of Public Works, Division of Architecture, Geo. B. McDougall, state architect Public Works Bldg., Sacramento.

Contractor—Paris Bros., Berkeley.
The work involves excavating and grading of the site for a new hospital building and excavating for all basement areas.

HOTELS

Plans Being Figured.

HOTEL Cost, \$40,000
RENO, Nevada.

One-story reinforced concrete hotel.
Owner—Barengo Brothers.

Architect—F. J. DeLongchamps, Gazette Bldg., Reno.

POWER PLANTS

BURBANK, Los Angeles Co., Cal.
—J. H. Baxter & Co., 1033 Central Bldg., Los Angeles, awarded contracts by the city council for transmission poles and cross arms as follows:

Transmission poles: (Western red cedar)—(1) 20 35-ft. poles at \$18.65 each; (2) 66 40-ft. poles at \$16.25 each; (3) 9 45-ft. poles at \$20.35 each; (4) 18 50-ft. poles at \$24.40 each; (5) 60-ft. poles at \$32.30 each.

Cross arms: 100 11-ft. 10-pin arms at \$1.35 each; 500 8-ft. 2-in. 8-pin arms at \$1.15 each.

LOS ANGELES, Cal.—Until 11 A. M. July 21, bids will be received by city purchasing agent, Thomas Oughton, for furnishing oil circuit breakers under Specification No. 2519, for department of water and power.

The items are:

- (1) two 37,000-volt outdoor type oil circuit breakers of 600 ampere carrying capacity and 1,000,000 KVA interrupting capacity;
- (2) one tank lowering device for use of the above breakers.

Purchase of item (2) is optional with the city.

ROSEVILLE, Placer Co., Cal.—J. H. Baxter & Co., 333 Montgomery St., San Francisco, awarded contract by city trustees to furnish and deliver one carload of poles for Municipal Lighting Department. See complete bid listing in separate article on Page Five of this issue.

OAKLAND, Cal.—Until July 15, 5:30 P. M., bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, 512 16th St., to construct and furnish f.o.b. 22nd and Adeline Streets, Oakland, 21,000 feet of 4 No. 14 A.W.G. copper conductor, Park or Suburban Cable. Specifications obtainable from secretary.

SAN FRANCISCO.—Mayor Rossi proposes to submit proposal to voters at November election to decide the question of issuing and selling bonds of \$1,000,000 to finance construction of a power house at Red Mountain Bar on the Hetch Hetchy Water System. Such a plant, the mayor estimates, would produce a revenue of approximately \$500,000 a year.

FRESNO, Fresno Co., Cal.—An ultimate expenditure of over \$21,000,000 will be made by the San Joaquin Light and Power Corporation in connection with the construction of its steam plant on the 185-acre tract of land it owns on the San Joaquin river at Herndon, just north of Fresno.

This was disclosed in an answer filed by the power company in reply

to a suit brought in superior court by the San Joaquin and Kings River Canal and Irrigation Company to condemn to its use the water riparian to the power company's tract, water which is given a valuation by the answer "in excess of \$100,000."

It is revealed in the answer that it is the intention of the power company to develop in excess of 400,000 horsepower at the steam plant, which the answer states will be pushed to completion. The answer further states that "in excess of \$21,000,000" will be spent on the project.

Harold K. Fox, engineer in charge of construction, said the amount of money to be spent as disclosed in the answer represents the cost of the completed project. He said the work now being done is the first unit of four to be built, each approximating \$5,000,000 in cost.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

SANTA BARBARA, Cal.—Pauly Jail Bldg. Co., St. Louis, Mo., submitted the low bid of \$30,000 to the Santa Barbara county supervisors on July 6 and was awarded contract for furnishing and installing jail cells and other work in the Santa Barbara county court house. Other bids were: Midland Valley Corp., \$38,645; Southern Prison Co., \$46,528; Frels & Son Co., \$72,500. Pauly Jail Building Company installed the first tier of cells in the building several months ago. William Mosser Co., 681 Market St., San Francisco, and Santa Barbara, architect.

Plans Being Completed.

CITY HALL Cost, \$15,000
LOS BANOS, Merced Co., Cal. J. St. between 5th and 6th Sts.

Two-story brick and reinforced concrete combination fire house and city hall.

Owner—City of Los Banos.

Plans by W. E. Bedesen (engineer), Shaffer Bldg., Merced.

It is expected to call for bids in two or three weeks.

SAN FRANCISCO.—D. N. & E. Walter Co., 562 Mission St., awarded contract by Leonard S. Leavy, city purchasing agent, under Proposal No. 721, to furnish linoleum to the city from time to time during the fiscal year 1931-32, same to be in accordance with U. S. Government Master Specifications No. 209, Battleship Linoleum, on the following prices:

- (a) Light Battleship, without laying \$1.05¢ per square yard.
- (b) Medium Battleship, without laying, \$1.37 per square yard.
- (c) Heavy Battleship, without laying, \$1.62¢ per square yard.
- (d) Extra charge for laying with tacks, \$0.23 per square yard.
- (e) Extra charge for laying with cement solid, \$0.33 per square yard.

To Ask Bids Shortly.

LIBRARY Cost, \$11,000
NEW MONTEREY, Monterey Co., Cal.

One-story frame and stucco library (tile roof; Spanish type).

Owner—City of New Monterey.

Architect—Swartz & Ryland, Spazier Bldg., Monterey.

Sub-Bids Being Taken.

FIRE HOUSE Cost, \$30,817
SAN FRANCISCO, Lombard St. bet.

Broderick and Baker Sts.

Brick fire house.

Owner—City and County of San Francisco (S. J. Hester, Secretary, Board of Public Works).

Architect—W. E. Baumberger, 544 Market Street.

Contractor—Vogt and Davidson, 185 Stevenson St.

The structure will house an engine company, truck company, chemical company and hose tender.

As previously reported, electric work awarded to L. Flatland, 1889 Mission St., at \$1680; mechanical equipment to M. Desiano Co., 5338 Mission St. at \$6865.

Contract Awarded.
EQUIPMENT Cont. price, \$2469
FAIRFIELD, Solano Co., Cal.
Equipment for County Library.
Owner—County of Solano.
Architect—Not Given.
Contractor—Rucker Fuller Co., 539
Market St., San Francisco.

Bids Opened.
ARMORY Cost, \$—
YUBA CITY, Sutter Co., Cal.
One-story concrete armory (floor area
7000 sq. ft.).

Owner—State of California.

Architect—Charles Dean, California
State Life Bldg., Sacramento.
Low Bidder—Guth & Fox, 1528 27th
St., Sacramento.

The building is one-story with concrete floor and walls, steel and wood roof construction, tile and composition roof.

Following is a complete list of bids:
Guth & Fox, Sacramento.....\$18,946
O. S. Almlie, San Francisco.....20,370
C. J. Hopkinson, Sacramento.....20,484
A. F. Rempter.....21,647
A. F. Anderson, Oakland.....22,820
Campbell Const. Co., Sacto.....22,870
E. T. Leiter & Son, Oakland.....22,967
Minton Co., Mt. View.....23,053
F. H. Cress, Oakland.....23,340
R. Hodgson & Son, Porterville.....23,668
Blittrite Const. Co., Berkeley.....28,983
Bids held under advisement.

Plans Being Figured—Bids Close July 21, 2 P. M.

SHEET METAL AND COMPOSITION ROOFING FOR:
LEGION BLDG. Cost, \$2,500,000
SAN FRANCISCO, Civic Center.
Four-story and basement concrete Class A Legion Building.

OPERA HOUSE Cost, \$2,500,000
Six-story Class A opera house, seating capacity, 4000; standing room, 500.

Owner—City and County of San Francisco (S. F. War Memorial).

Architect—G. A. Lansburgh, 140 Montgomery St., and Arthur Brown, 251 Kearny St., San Francisco.

Mgrs. of Const.—Lindgren & Swierston, Inc., 225 Bush St., S. F.

Separate bids are wanted on each branch of the work. Plans obtainable from 451 Montgomery street, on deposit of \$10, returnable. Certified check 10% payable to the Trustees of the War Memorial of San Francisco required with bid.

RESIDENCES

Bids Opened—Contract To Be Awarded
RESIDENCE Cont. price, \$10,600
SEBASTOPOL, Sonoma Co., Cal.

Two-story and basement frame and stucco residence (8 rooms, 2 baths)

Owner—Chas. Meyer, Sebastopol.

Architect—Wm. Herbert, Rosenberg Bldg., Santa Rosa.

Contractor—E. Ahlstrom, 740 5th St., Santa Rosa.

List of bids is as follows:
E. Ahlstrom, Santa Rosa.....\$10,600
R. J. Whiting, Santa Rosa.....11,100
Carl Shatto, Sebastopol.....11,517
W. J. Meeker, Santa Rosa.....11,687
W. J. Lindsay, Santa Rosa.....11,927

Contract Awarded.
RESIDENCE Cost, \$5622
MONTEREY, Monterey Co., Cal.
One-story and basement frame and stucco residence (6 rooms).
Owner—Joe Crevello, 248 Pacific Ave., Monterey.

Architect—W. W. Hastings and A. W. Story, 282 Alvarado St., Monterey.
Contractor—Albert Cattl, Monterey.

Contract Awarded.
RESIDENCES Cost, \$6490
MONTEREY, Monterey Co., Cal.
Two one-story frame and stucco residences.

Owner—Joe Quaglia, Monterey.
Architect—A. W. Story and W. W. Hastings, 282 Alvarado St., Monterey.

Contractor—J. C. Anthony, 275 Pearl St., Monterey.

Contract Awarded.
RESIDENCE Cost, \$4200
MONTEREY, Monterey Co., Calif.
Monterey Heights.

One-story and basement frame and stucco residence (5 rooms; hot air heating; shakes roof).

Owner—Miss Edna E. McKinley, 926

Harriet St., Monterey.

Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville, and W. W. Hastings, 282 Alvarado Street, Monterey.

Contractor—J. C. Anthony, 275 Pearl St., Monterey.

Owner is holding painting bids under advisement. Construction will be started immediately.

Plans Complete.
RESIDENCES Cost each, \$6000
SAN FRANCISCO. Dorland St. near Church St.

Three one-story and basement frame and stucco residences (tile baths, hardwood floors, gas and hot air heating, part tile-part composition roof).

Owner and Builder—S. F. Homebuilding Society (W. Altvater, Pres.), 2742 Mission St.

Architect—Charles Strothoff, 2274 15th Street.

Will ask segregated figures about August 1.

Completing Plans.
RESIDENCE Cost, \$9000
SAN FRANCISCO. 16th Avenue and Ulloa St.

Two-story and basement frame and stucco residence (7 rooms and 2 baths, tile baths and kitchen, gas and hot air heating, tile roof).

Owner and Builder—Geo. H. Elkington, 1291 33rd Ave.

Architect—Charles Strothoff, 2274 15th Street.

Contract Awarded.
ALTERATIONS Cost, \$7000
HAYWARD, Alameda Co., Cal.

Remodeling 2-story farm house (hardwood floors, tile baths, tile roof, electric fixtures).

Owner—J. V. Coster, Hayward.

Architects—Kent & Hass, 525 Market St., San Francisco.

Contractor—Jensen & Pedersen, 3443

Adeline St., Oakland.

Completing Plans.
RESIDENCE Cost, \$6000
MORAGA OAKS, Contra Costa Co., Calif.

One-story and basement English cottage (terra cotta tile roof, brick and half timbers, hardwood floors, tile baths, etc.)

Owner—E. C. Ingram, Ingram Studios, Oakland.

Architects—Noble and Archie T. Newsum, Russ Bldg., San Francisco.

To be built by day's work for the owner.

Completing Plans.
RESIDENCE Cost, \$100,000
SANTA BARBARA, Calif. Tecolote Ranch.

Masonry residence (7 master bedrooms, etc.).

Owner—Slisby Spalding, Santa Barbara.

Architect—Wm. Mooser, 121 E. Anapamu, Santa Barbara, and 681 Market St., San Francisco.

Bids will be taken in two weeks. Excavation work has been completed.

July 9, 1931

Contract Awarded.
RESIDENCE Cost, \$29,000
FRESNO, Fresno Co., Calif. Elghath and Huntington Blvd.

Two-story residence.

Owner—E. J. Schmidt, Patterson Bldg.

Fresno.

Architect—Not Given.

Contractor—W. T. Harris, 577 Mc-

Kinley, Fresno.

Plans Being Figured.
RESIDENCE Cost, \$50,000
HILLSBOROUGH, San Mateo Co., Cal.

Two-story frame and stucco residence.

Owner—G. Lachman, Mission and 16th

Sts., San Francisco.

Architect—Hyman & Appleton, 68 Post

St., San Francisco.

Young & Horstmeier, 461 Market

St., San Francisco, are figuring the

plans and desire sub-bids.

Contract Awarded.
RESIDENCE Cost, \$8500
SAN FRANCISCO. E Baker Street S

Chestnut St.

Two-story and basement frame and stucco residence (7 rooms and 2

baths; part tile and composition

roof, gas heating system, tile

baths and kitchen).

Owner—A. Monaco, 3501 Fillmore St.

Plans by Mr. Soracco.

Contractor—F. A. Soracco, 130 27th

Street.

Sub-bids will be taken in one week.

Concrete & Lumber Contracts Award-

ed.

BUNGALOW COURT Cost, \$55,000

SAN CARLOS, San Mateo Co., Cal.

One-story frame and stucco bungalow

court.

Owner—Robert Klassen.

Architect—Ernest Norberg, 580 Mar-

ket St., San Francisco.

Contractor—George W. Williams Co.,

Ltd., Crawford Bldg., Burlingame.

Concrete—Gus. Adolphson, 706 North

Claremont, San Mateo.

Lumber—Wisnom Lbr. Co., 5th and

Claremont, San Mateo.

As previously reported, electric

work awarded to Atlas Elec. Co., 343

4th St., San Francisco; painting to

W. G. Thompson, 336 Church St., San

Francisco; steel sash to Michel &

Pfeffer, Harrison and 10th Sts., San

Francisco; roofing to L. M. Smith,

Burlingame; lumber to San Carlos

Lumber Co., San Carlos; concrete to

Gus. Adolphson, 706 N. Claremont, San

Mateo.

Construction Postponed.

RESIDENCE Cost, \$15,000

HILLSBOROUGH, San Mateo Co., Cal.

Two-story and basement frame and

stucco residence (9 rooms and 3

baths).

Owner—G. A. Bauman, 1508 Flori-

bunda, Burlingame, % McCormick

Lumber Co., 1401 Army St., San

Francisco.

Plans by E. Reichel, 303 University

Ave., Palo Alto.

Contract Awarded.

RESIDENCE Cost, \$10,197

SAN FRANCISCO. 1 Villamar Ave.

Two-story and basement frame and

stucco residence (8 rooms and 2

baths, Italian style, hot air heat-

ing, gas furnace, tile roof, orna-

mental iron).

Owner—Dr. V. H. Podstata.

Architect—John E. Dinwiddie, Balboa

Bldg.

Contractor—Strehlow & La Vole, Central and Webster Sts., Alameda.

To Take Bids In One Week.
RESIDENCE Cost, \$10,000
SONOMA, Tuolumne Co., Cal.
 Two-story and basement frame and stucco residence (Spanish style; 8 rooms, 2 baths; hot air heating, hardwood floors, tile roof, ornamental iron, tile baths).
 Owner—W. L. Price, Sonoma.
 Architect—G. N. Hilburn, Elks Bldg., Modesto.

Contract Awarded.
RESIDENCE Cost, \$20,000
OAKLAND, Alameda Co., Cal. East
 Margarito Drive N Broadway Terrace.
 Two-story and basement frame and stucco residence (10 rooms).
 Owner—Roy Mauvals.
 Architect—Nat Given.
 Contractor—Sam Steindell, 38 Northampton Ave., Berkeley.

Sub-Contracts Awarded.
RESIDENCE Cost, \$11,000
PIEDMONT, Alameda Co., Cal. Wildwood Gardens.
 Two-story and basement frame and stucco residence.
 Owner—Miss M. Dugrey, Oakland.
 Architect—Blaine & Olsen, 1755 Broadway, Oakland.
 Contractor—Edward Larmer, 90 Fairview Ave., Piedmont.

Lumber—Sunset Lumber Co., 400 High St., Oakland.
Concrete—F. Salamid, 5350 Manila St., Oakland.
Millwork—Sheehan—Ballard Planing Mill Co., 9th and Parker, Oakland.
Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Streets, San Francisco.
Tile Roofing—Saxby Roofing Co., 4538 Fleming St., Oakland.
Plumbing—H. I. Kyer, 1635 E 12th St., Oakland.
Floors—Inald Floor Co., 4067 Watts St., Oakland.
Painting—H. Doering, 5420 Dover St., Oakland.

Steel Sash—Michel and Pfeiffer Iron Works, Harrison and 10th Streets, San Francisco.

Sub-Contracts Awarded.
RESIDENCE Cost, \$15,000
SAN FRANCISCO. Wawona and Vicente Avenues.
 Two-story and basement frame and stucco residence (7 rooms, 3 baths double garage, tile and composition roof, hardwood floors, gas hot air heating and tiled baths).
 Owner and Builder—S. R. Anderson, 1433 7th Ave.
 Private plans.

Masonry—A. Nelson, 242 Ocean Ave.
Heating—Atlas Heating Co., 554 4th Street.
Plumbing—James Dougal, 3206 San Bruno Ave.
Electric Wiring—C. V. Johnson Co., 2116 Lake St.
Mill Work—Erickson & Wagner, 2601 Mariposa St.
Structural Steel—Golden Gate Iron Works, 1541 Howard St.
Reinforcing Steel and Cement Work—D. Seghieri & Co., 35 Cook St.
Roofing—James Cantley Roofing Co., 666 Mission St.
Sheet Metal—Atlas Heating Co., 557 4th St.
Painting—Chris Olsen, 1485 9th Ave.
Plastering—John Johnson, 1809 Ninth Avenue.

Tile, glass and glazing bids being taken. Frame is partly up.
 As previously reported, lumber contract awarded to the Sudden Lumber Co., Evans and Quint Sts.

Contract Awarded.
RESIDENCE Cost, \$10,000
REDWOOD CITY, San Mateo Co. Cal.
 503 Arlington Road.

Two-story and basement frame and stucco residence (7 rooms and 2 baths).
 Owner and Builder—W. H. Doozee, 109 Main St., Redwood City.

Preparing Preliminary Plans.
CABIN Cost, \$—
LAKE TAHOE, Nevada Co., Calif.
 Fallen Leaf.
 One-story rustic mountain cabin (4 rooms, large porch, native stone fire place, shingle roof).
 Owner—Withheld.
 Architect—E. Cooper, Corbett, 1720 Pacific Ave., San Francisco.

SCHOOLS

SHAFTER, Kern Co., Cal.—As previously reported, C. L. G. Gramling, Bakersfield, at \$10,541 awarded contract by Richland Grammar School District to erect 3-classroom addition to present school. E. J. Symmes, architect, Habersfelde Bldg., Bakersfield.
 Contract for heating awarded to J. E. Pettijohn, Delano, at \$1,535.74.

Plans Being Figured—Bids Close July 18, 8 P. M.
ADDITION Cost, \$—
DURHAM, Butte Co., Cal.
 Auditorium addition for high school.
 Owner—Durham Union High School District, Beecher H. Harris, clerk, Durham.
 Architect—Chester Cole, 308 1st National Bank Bldg., Chico.

Under a previous call for bids, Merick Evans, 1705 Cleander St., Chico, at \$12,377, submitted the low bid, which was rejected by school trustees due to insufficient funds. Plans have been slightly revised to bring the cost within the amount of money available. Certified check or bidder's bond 10% required with bid. Plans obtainable from the architect.

Plans Being Figured—Bids Close July 20, 1 P. M.
ADDITION Cost, \$—
EXETER, Tulare Co., Cal.
 One-room addition to Kindergarten bldg. at Woodrow Wilson School.
 Owner—Exeter School District, Fred Hauenstein, clerk, Exeter.
 Architect—Not Given.

The addition will provide accommodations for the manual training departments of the 2 grammar schools. Certified check 5% payable to clerk required with bid. Plans obtainable from the clerk at Exeter.

Contract Awarded.
ADDITIONS Cont. price, \$11,242
BURLINGAME, San Mateo Co., Cal.
 Additions to Howard Avenue School and alterations to McKinley School and electric wiring and light fixtures for the Roosevelt and McKinley Schools.

Owner—Burlingame Grammar School District, W. H. Eddy, clerk, Burlingame.
 Architect—E. L. Norberg, 407 Occidental Ave., Burlingame, and 580 Market St., San Francisco.
 Contractor—I. Sorensen, 1128 Lincoln, Burlingame.

Electric work in connection with the above has been postponed indefinitely. Following are electrical bids submitted:

Alta Elec. Co., 938 Howard St., San Francisco	\$3,848
Atlas Elec. Co., S. F.	3,922
Decker Elec. Co., S. F.	3,926

Contract Awarded.
COLLEGE Cont. Price, \$37,000
SANTA ROSA, Sonoma Co., Cal.
 Second unit of Junior College (to house six science laboratories and two classrooms, offices and rest rooms; brick construction; steam heat; tile roof).
 Owner—Santa Rosa Junior College District.
 Architect—W. H. Weeks, 525 Market St., San Francisco.
 Contractor—Petaluma Construction Co., Petaluma.

Contract awarded on proposition No. 2 and alternate No. 2-A providing for a larger structure and for finishing basement. Complete list of bids published June 30.

MODESTO, Stanislaus Co., Calif.—All bids were rejected by trustees of Modesto High School District for the installation of a vacuum pump and oil burner as replacements to the central heating plant and also extending steam heat to the Agricultural and Music Buildings and bus shed office.
 Davis-Pearce Co., Grant and Weber Sts., Stockton, architect.

Following is a complete list of bids:
Pacific Heating and Ventilating Co., 354 Hobart St., Oakland
 \$5,495 || Miller Hayes Co., Stockton | 5,499 |
Brandt Bros., Stockton	5,725
H. E. Trueblood, Modesto	5,975
J. E. Pettijohn & Co., Delano	5,988
Geo. Schuster, Oakland	6,275
D. R. Hoffman, Modesto	6,175

ORNAMENTAL WIRE AND IRON WORK

IRON WIRE Fence and Gates

TENNIS COURT ENCLOSURES
 WIRE SCREENS AND GUARDS

WEST COAST WIRE & IRON WORKS

SAN FRANCISCO, CALIFORNIA

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Continuous Operation Since 1887

Bids Opened.
IMPROVEMENTS Cost, \$5000
RICHMOND, Contra Costa Co., Cal.
 Miscellaneous construction and remodeling at St. George, Fairmount, Lincoln and Harding Schools.
 Owner—Richmond School District.
 T. Helms, Sec'y, Board of Education.
Architect—James T. Narbett, 466 31st St., Richmond.
 Following is a complete list of bids:
 Tandy & Theis, Richmond \$5,991
 Carl Overa, Richmond 6,495
 Fred Hoskins, Richmond 6,763
 P. M. Sanford, Richmond 6,990
 Bids held under advisement.

Contract Awarded.
ALTERATIONS Cont. price, \$10,384
MODESTO, Stanislaus Co., Cal.
 Alterations and additions to one-story and basement brick school (Washington School) add two classrooms
 Owner—Modesto Grammar School District.
Architect—Davis-Pearce Co., 47 North Grant St., Stockton.
Contractor—Neil & Wirtner, Turlock.
 Following is a complete list of bids:
 Neil & Wirtner, Turlock \$10,384
 M. O. Ward, Modesto 10,368
 John Messamer, Modesto 11,117
 M. F. Varozza, Modesto 11,168
 H. Tennyson, Modesto 11,430
 L. Uebels, Ripon 11,450
 Harry Brown, Modesto 11,578
 F. H. Brindle, Sacramento 12,434
 H. E. Vickroy, Stockton 12,978

Plans Being Figured—Bids Close July 28, 2 P. M.
LABORATORY Cost, \$225,000
PULLMAN, Washington.
 Three-story reinf. concrete Oceanographic laboratory, 135x60-ft.
 Owner—University of Washington, Pullman.
Architect—John Graham, Dexter-Horton Bldg., Seattle.
 Plans are obtainable from the architect on deposit of \$25, returnable.

MODESTO, Stanislaus Co., Calif.—Neil & Wirtner, Turlock, at \$2,448 awarded contract by Modesto High School District trustees for finishing shop interior and boiler room at the Modesto High School. Davis-Pearce Co., Grant and Weber Sts., Stockton, architect.
 Following is a complete list of bids:
 Neil & Wirtner, Turlock \$2,448
 Harry Brown, Modesto 2,477
 John Messamer, Modesto 2,605

Project Postponed.
SCHOOL Cost, \$37,000
BERKELEY, Alameda Co., Cal. Milvia St. bet. Berryman and Eunice. One-story and basement (four classrooms) grammar school for Saint Mary Magdalene Parish (fireproof reinforced concrete).
 Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—Arnold Constable, 580 Market St., San Francisco.

Sub-Contracts Awarded.
ADDITION Cost, \$6656
SALINAS, Monterey Co., Cal.
 Frame addition to school (add 1 classroom, toilets, etc.)
 Owner—El Sausal Grammar School District.
Architect—Charles E. Butner, 22 Glikbarg Bldg., Salinas.
Contractor—M. J. Murphy, Carmel.
Plumbing—Anderson-Dougherty-Hargis, 225 Main St., Salinas.
Sheet Metal—Gunn Sheet Metal Wks.
Metal Partitions—Albatross Steel Furniture Co., 327 17th St., Oakland.
Plastering—Virgil Kitchen.
Black Boards—Rucker-Fuller Co., 539 Market St., San Francisco.

Electric Wiring Radeo Electric Co., 11 W San Luis, Salinas.

REDWOOD CITY, San Mateo Co., Cal.—Until July 22, 7:30 P. M., bids will be received by J. D. Hedge, clerk Sequoia Union High School District, for grading and surfacing certain driveways and automobile parking spaces on grounds of the high school. Certified check 10% payable to Sequoia Union High School District required with bid. Plans obtainable from C. L. Dimmitt, city engineer, Redwood City.

Bids Wanted for Lathing and Plastering and Heating—Bids Close July 18, 9 A. M.

SCHOOL Cost, \$—
CARMEL, Monterey Co., Cal.
 Lathing, plastering and heating for 1-story frame and stucco grammar school.
 Owner—Sunset School District.
Architect—Swartz and Ryland, Spazier Bldg., Monterey.
 Bids previously received on these units were rejected as being too high. Certified check or bidder's bond 10% required with bid. Plans obtainable from the architects on deposit of \$25, returnable.

Preparing Working Drawings.
SCIENCE BLDG. Cost, \$202,000
SAN JOSE, Santa Clara Co., Cal.
 Three-story and basement reinforced concrete Science Building (tile roof, steam heating system)
 Owner—State of California.
Architect—Ralph Wyckoff, Growers Bank Bldg., San Jose.
 Associate Architect—Chas. McKenzie, Twohy Bldg., San Jose.
 Plans will be ready for bids in about thirty days.

Plans Being Completed.
SCHOOL Cost, \$25,000
REDWOOD CITY, San Mateo Co., Cal.
 Two-story frame and concrete school (Our Lady of Mt. Carmel).
 Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—H. A. Minton, 525 Market St., San Francisco.
 Bids will be asked in about 2 weeks.

Preparing Working Drawings.
GYMNASIUM Cost, \$12,000
TOMALES BAY, Marin Co., Cal.
 One-story and basement frame and stucco addition to Tomales High School (auditorium, 45x80, bleachers, stage, cafeteria, kitchen, supply rooms, lecture hall).
 Owner—Tomales High School District, Tomales Bay.
Architect—N. W. Sexton, deYoung Bldg., San Francisco.
 Plans will be ready for bids in about three weeks.

SAN FRANCISCO.—Following contracts awarded by Leonard S. Leavy, city purchasing agent, 270 City Hall, under Proposal No. 718, to furnish and deliver manufactured furniture for School Department.

Item No. 1—100 bookkeeping tables, varnished, at \$14.50 each; Coast Cabinet Co.
 Item No. 2—250 cafeteria tables, round, at \$5.98 each; Fred E. Turner.
 Item No. 3—100 designing tables at \$2.83 each; Pacific Mfg. Co.
 Item No. 4—100 freehand drawing tables at \$4.50 each; Pacific Mfg. Co.
 Item No. 5—40 library tables, varnished, at \$16 each; Coast Cabinet Co.
 Item No. 6 (a)—400 primary tables, 19-in., at \$2.49 each; Wm. Bateman.
 Item No. 6 (b)—500 primary tables, 21-in., at \$2.49 each; Wm. Bateman.
 Item No. 6 (c)—400 primary tables, 23-in., at \$2.49 each; Wm. Bateman.
 Item No. 6(d)—750 primary tables, 25-in., at \$2.49 each; Wm. Bateman.
 Item No. 7—300 teachers' tables at \$6.85 each; Fred E. Turner.
 Item No. 8—200 typewriter tables at \$2.24 each; Pacific Mfg. Co.
 Item No. 9—16 tables for motion picture machines at \$5.69 each; Home Mfg. Co.
 Item No. 10—20 modeling stands at \$4.50 each; Empire Planing Mill.
 Item No. 11—300 Dictionary stands at \$2.24 each; Pacific Mfg. Co.
 Item No. 12—4 library book trucks at \$18.75 each; Fred E. Turner.
 Item No. 13—40 teachers' cabinets (storage) at \$17.65 each; Pacific Mfg. Company.
 Item No. 14—50 storage chests at \$11.40 each; Pacific Mfg. Co.
 Item No. 15—100 work benches at \$5.77 each; Oscar Presco & Sons.

SAN RAFAEL, Marin Co., Calif.—Patterson Bros., 494 36th St., Oakland, at \$350 awarded contract by Marin Union Junior College District to paint interior of gymnasium. A. A. Cantin, Flatiron Bldg., San Francisco, architect.

SAN RAFAEL, Marin Co., Calif.—Knittle Bros., 224 5th St., San Francisco, at \$6,803 awarded contract by Marin Union Junior College District to furnish heating plant for the new gymnasium building. A. A. Cantin, Flatiron Bldg., San Francisco, architect.

Plans Being Completed.
SCHOOL & HOME Cost, \$75,000
SAN FRANCISCO. Silver Avenue.
 Four-story reinforced concrete girls' school and home.
 Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St.
Architect—H. A. Minton, 525 Market Street.
 Bids will be taken in about 2 weeks.

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SAN RAFAEL, Marin Co., Calif.—Olas H. Smith, Freitas Bldg., San Rafael, at \$1,255 awarded contract by Marin Union Junior College District to construct bleachers in the new gymnasium. A. A. Cantlin, Flatiron Bldg., San Francisco, architect.

SAN RAFAEL, Marin Co., Calif.—H. M. Schick Products Co., 135 Tehama St., San Francisco, at \$150 awarded contract by Marin Union Junior College District to supply lockers for the new gymnasium building. A. A. Cantlin, Flatiron Building, San Francisco, architect.

SANTA BARBARA, Calif.—Minton Co., Mountain View, awarded contract by Santa Barbara board of education for constructing a cafeteria and auditorium wing at the McKinley elementary school. The Minton Company is erecting the main building and was awarded the contract for the addition without competition. Ott Hardware Company will install the plumbing and heating, California Electric Company will do the electrical work, and Messenger & Montgomery will install the ventilating system. Total estimated cost of the addition is \$47,563. Soule, Murphy & Hastings, architects.

Contracts Awarded.
SCHOOL Cost, \$75,000
CARMEL, Monterey Co., Cal.
One-story frame and stucco grammar school.

Owner—Sunset School District.
Architect—Swartz & Ryland, Spazier Bldg., Monterey.

Trustees of the district are: Frederick Bigland, Hester Hall Schoeninger and Clara N. Kellogg.

General Work
M. J. Murphy, Carmel, at \$22,000
Brick Work—E. Jimenez, Carmel.
Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.

Plumbing and Heating—Phillips Heating & Plumbing Co., 130 Pearl St., Monterey.

Electric—Atlas Electric Co., 343 4th St., San Francisco.

Ornamental Tile—C. L. Frost, 165 Webster St., Monterey.

Blackboards—C. F. Weber Co., 650 2nd St., San Francisco.

Iron—Fair Mfg. Co., 617 Bryant St., San Francisco.

Millwork—Union Supply Co., 686 Light-house St., Monterey.

Slate Roofing—Tynan Lumber Co., Franklin and Cortez Sts., Monterey.

Sheet Metal—Barton-Oil-O-Matic, 635 Cass St., Monterey.

Mastapave—Rose Bros., Monterey.
Asphaltic Tile—L. S. Case, Monadnock Bldg., San Francisco.

Plastering bids will be re-advertised.
Painting bids held under advisement.

Plans Being Figured—Bids Close July 16, 8 P. M.
SCHOOL Cost, \$9000
NORTH SACRAMENTO, Sacramento Co., Cal.

One-story brick veneer school (two classrooms; tile or composition roofing).

Owner—North Sacramento Grammar School District.
Architect—Paul Dragon & C. Schmidt, Mercantile Bank Bldg., Berkeley.

Plans Being Figured—Bids Close July 23, 1 P. M.
SCHOOL Cost, \$—
FRUTO, Glenn Co., Cal.

One-story school building.
Owner—Fruto School Dist., Mrs. Besse Haskell, clerk, Fruto.

Architect—Not Given.
Certified check 10% payable to clerk required with bid. Plans on file in office of the County Superintendent of Schools at Willows and obtainable upon deposit of \$5, returnable.

Plans Completed.
SCHOOL & GYM Cost, \$150,000
ELDRIDGE, Sonoma Co., Calif. Sonoma State Home.
One-story reinforced concrete extension to school and gymnasium and new ward building.
Owner—State of California.
Architect—Powers & Ahndsen, 605 Market St., San Francisco.

Plans have been forwarded to Sacramento for approval and bids will be advertised for shortly.

Glazing Contract Awarded.
GYNASIUM Cost, \$25,000
OROVILLE, Butte Co., Cal.

One-story steel frame and reinforced concrete gymnasium.

Owner—Oroville Union High School District.
Architect—N. W. Sexton, de Young Bldg., San Francisco.

Contractor—Frank H. Cress, 823 Excelsior Ave., Oakland.

Glazing—L. Neal, Chico.

As previously reported reinforcing steel awarded to Truscon Steel Co., 70 Ricard St., E. F.; structural steel to Schrader Iron Works, 1247 Harrison St., S. F.; millwork to B. H. T. Anderson, Mills Bldg., S. F.; Glass to W. P. Fuller & Co., 301 Mission St., E. F.

Plans Being Prepared.
SCHOOL Cost, \$9000
MINA, Mineral Co., Nevada.

One-story frame grammar school (2 classrooms; interior finish unfinished). Ceilings, blotex interior partitions, shingle roof. No. 1st, T. G. O. P. flooring, Smith stoves, coal furnace, class A plumbing goods).

Owner—Mina School District.
Architect—George A. Ferris & Son, Cladianos Bldg., Reno.

Contract Awarded. Cost, \$10,541
ADDITIONS
SHAFTER, Kern Co., Cal.
Additions and alterations to Richland School.

Owner—Richland School District.
Architect—Edwin J. Symmes, Habersfelde Bldg., Bakersfield.
Contractor—Clark Gramling, 1734 D St., Bakersfield.

Following is a complete list of bids: Clark Gramling, 1734 D Street,

Bakersfield	
R. Hodgson & Son, Porterville.....	\$10,541
W. A. Croft, Bakersfield.....	10,855
Geo. Isaac & Son, Shafter.....	11,100
F. A. Greenough, Bakersfield.....	11,154
A. Zimmerman, Bakersfield.....	11,175
Currie & Duglar, Bakersfield.....	11,250
Wm. Eissler, Bakersfield.....	11,250
Aloph Hansen, Bakersfield.....	11,297
W. K. Michael, Bakersfield.....	11,594
Copperman & Hullett, Bakersfield.....	11,800
Henry Eissler, Bakersfield.....	11,900

KENTFIELD, Marin Co., Cal.—Until July 16, 7 P. M., bids will be received by Ada M. Fusselman, secretary, Marin Union Junior College District, for:

(a) Carpentry labor;
(b) Plastering;
(c) Millwork and lumber;
(d) 1,600 yards of dirt fill at gymnasium building.
Specifications obtainable from A. C. Olney, president of the Marin Union Junior College at the Junior College grounds at Kentfield.

Commissioned To Prepare Plans.
ADDITIONS Cost, \$80,000
SALINAS, Monterey Co., Cal.
Additions to school buildings.

Owner—Salinas City School District.
Architect—Chas. E. Butler, Glikburg Bldg., Salinas.

Bond election will be held July 17 to finance construction.

Additional Sub-Contracts Awarded.
MARKET Cost, \$20,000
NORTH BERKELEY, Alameda Co., Cal. Solano Avenue.
One-story brick drive-in market with tile roof.
Owner—R. O. Long, 2122 Shattuck Ave., Berkeley.
Architect—Paul Dragon, Mercantile Bank Bldg., Berkeley.
Contractor—W. E. Lyon, 354 Hobart St., Oakland.
Electric—Fred Schmidt, 430 Moss Ave., Oakland.
Tile—Rigney Tile Co., 3012 Harrison St., Oakland.
Roofing—W. L. Saxby, 4538 Fleming Ave., Oakland.
Plumbing—Coveny & Ehret, 1605 Bonita Ave., Berkeley.
Other awards reported June 30.

Plans Being Figured, Bids Close July 17, 7:30 P. M.

ADDITION Cost, \$—
LAKEPORT, Lake Co., Cal.
Construct dressing room and install shower in basement of Clear Lake Union High School.
Owner—Clear Lake Union High School District, Victor Eickhoff, clerk, Clear Lake.
Architect—Not Given.
Plans are obtainable from the clerk at Clear Lake.

Plans Being Figured—Bids Close July 20, 8 P. M.

ADDITION Cost, \$—
RIO LINDA, Sacramento Co., Cal.
Addition to school.
Owner—Rio Linda Union School District, Harry Peterson, clerk, Rio Linda.

Architect—Not Given.
Certified check 10% payable to district required with bid. Plans obtainable from the clerk at Rio Linda.

BERKELEY, Alameda Co., Calif.—Until July 20, 8 P. M., bids will be received by Clara F. Andrews, secretary, Board of Education, 2325 Milvia Street, to furnish and deliver one used Engine Lathe and Shaper, complete, for the Berkeley School District. Further information obtainable from the clerk.

Sub-Contracts Awarded.
FINISHING Cont. Price, \$17,774
HOLLISTER, San Benito Co., Cal.

Interior finishing of two-story reinforced concrete school building (plastering, woodwork, plumbing, heating, painting).

Owner—Hollister School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.

Contractor—The Minton Co., Palo Alto.

Millwork—Builders Service Co., Marin View.

Patent Window Hardware—Hauser Window Co., 1370 Harrison St., San Francisco.

Finish Hardware—San Jose Hardware Co., 60 W-San Fernando St., San Jose.

Painting—F. Fletcher, Hollister.

Plumbing and Sheet Metal—Brown-Chappell Co., Hollister.

Carpentry, plastering, concrete work will be done by general contractor

Commissioned To Prepare Plans.
SCHOOL Cost, \$30,000
SALINAS, Monterey Co., Cal.
New School.

Owner—Spring School District.
Architect—Chas. E. Butler, Glikburg Bldg., Salinas.

Election will be held July 17 to finance construction.

Bids Opened.
LUNCH ROOM Cost, \$—
RICHMOND, Contra Costa Co., Cal.
One-story frame and brick outdoor
lunch room for school unit (35 x
81-ft.).
Owner—Richmond Union High School
District, W. T. Helms, Secretary.
Architect—James T. Narbett, 466 31st
St., Richmond.
Following is a complete list of bids:
Fred Hosking, 541 Civic Center,
Richmond\$6,571
P. M. Sanford, Richmond6,774
Tandy & Theis, Richmond7,230
Martin Dahl, Richmond7,650
Elmer Freethy7,497
Carl Overaa, Richmond7,782

Plans Being Figured.
HEATING PLANT Cost, \$5000
BERKELEY, Alameda Co., Cal.
Supplies for use in repairing Wash-
ington School heating plant.
Owner—Berkeley City School District,
Clara F. Andrews, secretary.
Plans are obtainable from the se-
cretary of the Board of Education.

BERKELEY, Alameda Co., Cal.
Board of Education has awarded con-
tracts to the following to furnish and
deliver lumber requiring by the school
department for the ensuing year: T.
P. Hogan, White Brothers, E.K. Wood
Lumber Co., Tilden Lumber Co., Tilden
Lumber and Mill Co., Davis Hard-
wood Co., and Boorman Lumber Co.

Bids Opened.
SCHOOL Cost, \$8000
WOODFORDS, Alpine Co., Cal.
One-story school.
Owner—Lincoln School District, Mrs.
E. Dangberg, Clerk.
Architect—Chas. F. Dean, 1406 Cali-
fornia State Life Bldg., Sacra-
mento.
Following is a complete list of bids
received:
C. J. Hopkinson, 1810 28th St.,
Sacramento\$5300
J. L. Morton, Placerville5746
M. R. Petersen, Sacramento6180
J. Harlowe, Bijou7806
Bids held under advisement.

Date of Opening Bids Postponed Until
July 14, 5 P. M.
GYMNASIUM (1st unit) Cost, \$20,000
CHICO, Butte Co., Cal.
One-story brick gymnasium (composition
roof, steam heating system,
showers, lockers, steel mesh).
Owner—Chico Union High School Dist.
Architect—Cole & Brouhard, 1st Na-
tional Bank Bldg., Chico.
Certified check \$5 payable to the
Secretary of the Chico High School
District required with bid. Plans ob-
tainable from the architects on de-
posit of \$10, returnable.

Heating and Plumbing Specifications
Completed.
SCHOOL Cost, \$37,000
BERKELEY, Alameda Co., Cal. Mil-
via St. bet. Berryman and Eunice.
One-story and basement (four class-
rooms) grammar school for Saint
Mary Magdalene Parish (fireproof
reinforced concrete).
Owner—Roman Catholic Archbishop of
San Francisco, 1100 Franklin St.,
San Francisco.
Architect—Arnold Constable, 530 Mar-
ket St., San Francisco.
Will take separate bids on heating
and plumbing June 23. Electrical
work included in general contract for
which bids are being taken as pre-
viously reported.

SAN FRANCISCO—Until July 20, 3
P. M., under Proposal No. 739, bids
will be received by Leonard S. Leavy,
city purchasing agent, 270 City Hall, to
furnish slate black boards for the
Lowell High School. Specifications ob-
tainable from above.

Sub-Contracts Awarded.
SHOP Cost, Price, \$7999
EMERYVILLE, Alameda Co., Cal.
One-story shop (steel trusses, stucco
and tile walls).
Owner—Emeryville High School Dist.
Plans by Samuel Arnold, 3 4 9 9 San
Pablo Ave., Oakland.
Contractor—George Maurer, 50 York
Drive, Oakland.
Sheet Metal—Central Sheet Metal
Works 2847 Hannah St., Oakland.
Reinforcing Steel—W. S. Wethall,
17th and Wisconsin Sts., S. F.
As previously reported, structural
steel awarded to Independent Iron
Works, 1820 Chase St., Oakland.

Plans Being Figured—Bids Close July
21, 2 P. M.
SCIENCE BLDG. Cost, \$—
SANTA BARBARA, Santa Barbara Co.
Three-story reinforced concrete Sci-
ence Building (approximately 24,-
000 sq. ft. floor area).
Owner—State of California.
Architect—State Department of Public
Works, Division of Architecture,
Public Works Bldg., Sacramento.
(C. B. McDougall, State Archi-
tect).

The Building is three stories with
reinforced concrete foundations, floors
and walls, tile partitions, concrete and
wood roof construction and tile and
composition roof.
The Science Building will have a
floor area of approximately 24,400
square feet.

Separate bids will be entertained
for the following segregated parts of
the work:

1. General Work, embracing all
branches of the construction other
than Electric, Plumbing, Heating and
Ventilating.
 2. Electrical Work.
 3. Plumbing Work.
 4. Heating and Ventilating Work.
 5. Combined Plumbing, Heating and
Ventilating Work.
- Alternative bids affecting the Gen-
eral, Electrical and Plumbing Work
will be required for the omission of
Elevator, certain laboratory equip-
ment and finish in men's toilet room,
all as outlined and noted on the plans
and specifications and designated as
Alternates Nos. 1, 2 and 3.

Preparing Preliminary Plans.
ADDITION Cost, \$100,000
LOS ANGELES, Los Angeles Co., Cal.
No. 7676 S-San Pedro St.
Two-story (containing 12 units) class-
room addition to John C. Fremont
High School.
Owner—Los Angeles Board of Educa-
tion, Chamber of Commerce Bldg.,
Los Angeles.
Architect—Edwin Bergstrom, 1136
Citizens Nat'l. Bank Bldg., L. A.
Heating Engineer—D. D. Reynolds, 756
S-Broadway, Los Angeles.

Completing Preliminary Plans.
GYMNASIUM Cost, \$45,000
WASCO, Kern Co., Cal.
Two-story concrete and brick gym-
nasium (steel frame; composition
roof; maple floors; steam heating
system).
Owner—Wasco Union High School,
Wasco.
Architect—Ernest J. Kump, Rowell
Bldg., Fresno.

SAN FRANCISCO—Until July 20, 3
P. M., under Proposal No. 739, bids
will be received by Leonard S. Leavy,
city purchasing agent, 270 City Hall,
to furnish slate cork carpet for the
Lowell High School. Specifications ob-
tainable from above.

SAN RAFAEL, Marin Co., Cal.—
Rocca & Caletti, San Rafael, at \$7,-
130.05 awarded contract by Board of
Education to improve high school

grounds. Complete list of bids re-
ceived published under caption
"Streets and Highways," in this issue.

Prospective Bidders.
GYMNASIUM Cost, \$25,000
MORGAN HILL, Santa Clara Co., Cal.
Reconstruct gymnasium.
Owner—Live Oak Union High School
District, Morgan Hill.
Architect—J. J. Donovan, 1916 Broad-
way, Oakland.

Work involves concrete walls and
floors, composition roofs, wood frame,
steel trusses, exterior plaster, steam
heating system from boiler plant in
present building, iron railings.
Jacobs & Pattiani, 337 17th Street,
Oakland.
J. C. Ballard, Bank of America
Bldg., San Jose.
Henry B. Post, 1330 Webster St.,
Palo Alto.
S. L. Ducoy, Morgan Hill.
Hudson & Branagh, 116 Monticello
Ave., Piedmont.

Sub-Contracts Awarded.
REMODELING Cost, \$50,000
PALO ALTO, Santa Clara Co., Calif.
Stanford Campus.
Remodeling Stanford stadium (replace
wooden stairs with concrete; addi-
tional toilet facilities).
Owner—Stanford University, Palo Alto
Engineer—Shirley Baker, 58 Sutter St.,
San Francisco.
Contractors—Wells P. Goodenough, 310
University Ave., Palo Alto.
Cement Work—Contractor,
Lumber—Gray Thorning Lumber Co.,
Palo Alto.
Millwork—Builders' Service, Mt. View
Painting—Wesley B. Lane, Palo Alto.
Plumbing and Stair Rais—H. P. Han-
sen, Palo Alto.
Electric Wiring—Stanford Elec. Co.,
Palo Alto.

Contracts Awarded.
PAINTING Cost, \$—
SAN RAFAEL, Marin Co., Cal.
Painting San Rafael Grammar School,
Short Primary School and West
End Primary School.

Owner—San Rafael School District,
Oliver R. Hartzell, Secty., Board
of Education.

Architect—Not Given.

Following is list of four low bids re-
ceived, bidders marked thus (*)
awarded contracts:

- (1) E Street School.
 - (2) E Street School roof.
 - (3) 4th and E Street Schools.
 - (4) West End School.
 - (5) Short School.
 - (6) Roof of Short School.
- (a) George A. Gregory.
(b) Patterson Bros.
(c) Jensen Spray Co.
(d) H. C. Leavitt Spray Co.
- | | (A) | (B) | (C) | (D) |
|-----------|-------|-------|--------|--------|
| (1) | \$888 | \$739 | \$1344 | \$1053 |
| (2) | 200* | 80* | 306 | 166 |
| (3) | 100 | 97 | 94* | 95 |
| (4) | 65 | 75 | 63* | 71 |
| (5) | 184* | 310 | 506 | 380 |
| (6) | — | — | 173 | 127 |

BANKS, STORES & OFFICES

Bids Opened—Under Advisement.
STORE Cost, \$150,000
SAN MATEO, San Mateo Co., Calif.
Third Ave. east of El Camino Real
One-story and basement frame and
stucco department store (English
design).
Owner—Levy Bros., San Mateo.
Architect—Hyman & Appleton, 68 Post
St., San Francisco.

Bids ran high. Slight revision will
be made in plans.

BAKERSFIELD, Kern Co., Calif.—
California Amusement Co., E. W.
Johnson, L. R. Buchanan and H. A.

Peterson, director, contemplates erecting a class A building and otherwise improving a 45-acre tract on Kern Bluffs as an amusement center.

Prospective Bidders.
STORE Cost, \$80,000
SANTA ROSA, Sonoma Co., Calif. 4th Street.

Three-story brick and concrete store building (salesroom and offices; 60 by 90-ft.)

Owner—S. H. Kress and Co., 621 S Broadway, Los Angeles.
Architect—John Fleming, 1031 South Broadway, Los Angeles.

The building will have composition roofing, steel sash, hardwood floors, plate glass, etc.

Following is a partial list of the contractors who have secured plans:

A. M. Hildebrandt, 406 4th Street, Santa Rosa.

James L. McLaughlin Co., 251 Kearny St., San Francisco.

W. L. Proctor, 12 E 10th St., Santa Rosa.

Barrett & Hilp, 918 Harrison St., San Francisco.

Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.

K. E. Parker, 135 South Park, San Francisco.

Ralph McLeran Co., Hearst Bldg., San Francisco.

Bids will be opened July 15th.

Contract Awarded.
STORE Cost, \$100,000
LOS ANGELES, Cal. No. 1549 W. Washington Street.

Two-story Class B brick store (120 x170 feet).

Owner—Hill Bros. & Co., 1327 W. Washington St., Oakland.

Architect—C. A. Balch, Film Exchange Bldg., Los Angeles.

Contractor—A. V. Perkinson, Inc., 3977 S-Vermont Ave., Los Angeles.

Preparing Working Drawings.
ALTERATIONS Cost, \$—
SAN FRANCISCO. E Grant Ave., bet.

Post and Sutter Sts.

Alterations to store and loft building.

Owner—Not Given.

Architect—Bertz, Winter & Maury, 210 Post St., San Francisco.

Lessee—Podesta & Baldocchi, Prem.

Plans will be ready for bids in two or three weeks.

Electric Contract Awarded.
ALTERATIONS Cost, \$4000
OAKLAND, Alameda Co., Cal. 17th St. and Telegraph Avenue.

Remodeling one-story frame and stucco store building.

Owner—Withheld.

Architect—E. A. Eames, 353 Sacramento St., San Francisco.

Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

Electrical Work—T. L. Rosenberg & Co., 411 Webster St., Oakland.

Contractor desires sub-bids on marble, glass, sheet metal, toilet partitions, painting, plumbing, plastering and wiring.

Sub-Contracts Awarded.
STORE Cost, \$—
OAKLAND, Alameda Co., Cal. Broadway near 19th Street.

One-story store (40x100-ft.).

Owner—Albert E. Kern and Samuel Hamburger.

Architect—Reed and Corlett, Oakland Bank Bldg., Oakland.

Mgr. of Const.—F. A. Muller, Syndicate Bldg., Oakland.

Lumber—E. K. Wood Lbr. Co., Frederick and King Sts., Oakland.

Concrete—J. H. Fitzmaurice, 354 Hobart St., Oakland.

Reinforcing Steel—Gunn, Carle & Co., 354 Hobart St., Oakland.

Excavation—J. Catucci, 1212 18th Ave. Oakland.

As previously reported, terra cotta awarded to Gladding, McBean & Co., 660 Market St., San Francisco; steel awarded to McGrath Steel Co., 280 San Bruno Ave., San Francisco.

Plastering Contract Awarded.
BANK Cost, \$25,000
HOLLISTER, San Benito Co., Cal.

One-story reinforced concrete bank.

Owner—Bank of America.

Architect—H. A. Minton, 625 Market St., San Francisco.

Contractor—Jacks and Irvine, 74 New Montgomery St., San Francisco.

Plastering—James F. Smith, 271 Minna St., San Francisco.

Other awards reported July 2.

Contract Awarded.
ALTERATIONS Cost, \$100,000
HOLLYWOOD, Los Angeles Co., Cal.

Alterations to 2-story reinforced concrete store.

Owner—Bank of America.

Lessee—Wilcox Stores.

Architect—H. A. Minton, 625 Market St., San Francisco.

Contractor—H. M. Baruch Corp., 742 S Hill St., Los Angeles.

Sub-Bids Wanted.
STORE Cost, \$80,000
SANTA ROSA, Sonoma Co., Calif. 4th Street.

Three-story brick and concrete store building (salesroom and offices).

Owner—S. H. Kress and Co., 621 S Broadway, Los Angeles.

Architect—John Fleming, 1031 South Broadway, Los Angeles.

The building will have composition roofing, steel sash, hardwood floors, plate glass, etc.

A. M. Hildebrandt, 406 4th Street, Santa Rosa, general contractor, desires sub-bids on all portions of the work in connection with above for which general contract bids are to be opened July 15.

Contract Awarded.
BUILDING Cost, \$100,000
LOS ANGELES, Cal. Washington and Menlo Streets.

Two-story class B brick and steel furniture building.

Owner—Gore Brothers.

Lessee—Hill Bros. Furniture Co.

Architect—C. A. Balch, Film Exchange Bldg., Los Angeles.

Contractor—A. V. Perkinson Co., Inc., 5977 S Vermont Ave., Los Angeles.

Contract Awarded.
OFFICE & WAREHOUSE Cost \$12,000
SAN FRANCISCO, NW 4th and Missouri Streets.

One-story class C offices and warehouse.

Owner—Real Estate Development Co., Hearst Bldg.

Plans by Owner.

Contractor—Geo. Wagner, 181 South Park.

Plumbing and Ventilating Contracts Awarded.
ALTERATIONS Cost, \$10,000
SAN FRANCISCO, 61 New Montgomery Street.

Remodeling of Exhibit room.

Owner—Crane Co., 61 New Montgomery St.; Head Office, Chicago, Ill.

Plans by Owner.

Contractor—C. Stockholm and Sons, Russ Bldg.

Plumbing—Alexander Coleman, 746 Ellis Street.

Ventilating—O'Mara & Stewart, 218 Clara Street.

Contract Awarded.
ALTERATIONS Cont. price, \$4972
OAKLAND, Alameda Co., Cal. Grove Street Terminal.

Remodeling terminal building for administration offices of Port Com-

mission (partitions, glass, plumbing).

Owner—City of Oakland (Port Commission), 424 Oakland Bank Bldg., Oakland.

Plans by Eng. Dept. of Owner.

Contractor—R. W. Littlefield, 337 17th St., Oakland.

Plans Completed.
OFFICE BLDG. Cost, \$10,000
OAKLAND, Alameda Co., Cal. Telegraph Avenue.

Two-story frame office building (composition roof).

Owner—Withheld.

Architect—Williams & Wastell, 374 17th St., Oakland.

Contractor selected; contract to be signed shortly.

Plans Completed.
STORE BLDG. Cost, \$7500
OAKLAND, Alameda Co., Cal. 57th St. and Telegraph Avenue.

Two-story frame and stucco store building (one apartment above; garage in rear).

Owner and Builder—August Miller, Telephone Olym. 8009.

Architect—Guy L. Brown, American Bldg., Oakland.

Owner will take segregated figures immediately.

THEATRES

SANTA MONICA, Los Angeles Co., Cal.—Architect F. D. Rutherford, 205 Mills-Fraser Bldg., Santa Monica, has been commissioned to prepare plans for a new theatre building to be built on Third Street between Broadway and Santa Monica Blvd., Santa Monica, for a client.

Contract Awarded.
ALTERATIONS Cost, approx. \$60,000
SAN FRANCISCO, 4631 Mission Street (Excelsior Theatre).

Alterations to present theatre (heating and ventilating, painting, plumbing, electrical work).

Owner—Golden State Theatre & Realty Co., 25 Taylor St.

Architect—F. H. Meyer, 525 Market St.

Contractor—Clinton Stephens Const. Co., Monadnock Bldg.

Plans Being Figured—Bids Close July 16.
THEATRE Cost, \$225,000
LOS ANGELES, Cal. Compton and Florence Avenues.

Reinforced concrete and brick Class A theatre (347x132 feet).

Owner—Fox West Coast Theatres, 4609 W-Washington St., Los Angeles.

Architect—S. Chas. Lee, 2404 W-7th St., Los Angeles.

WHARVES AND DOCKS

Plans Being Figured—Bids Close July 16, 2 P. M.
PIER EXTENSION Cost, \$100,000
SAN FRANCISCO, Pier No. 35.

Extension to pier (concrete piles; concrete deck; track aprons of creosoted lumber; steel frame shed; concrete walls; flat wood roof).

Owner—State of California (Harbor Commission).

Engineer—Frank G. White, chief engineer, Ferry Bldg.

SACRAMENTO, Cal.—Until July 16, 8:15 P. M., bids will be received by H. G. Denton, city clerk, to furnish and drive 1,870 composite or treated timber piles for the new Pre-treatment Works at the Municipal Filtration Plant. Certified check 10% payable to City Controller required with bid. Specifications obtainable from Fred J. Klaus, city engineer, on payment of \$5.

MISCELLANEOUS CONSTRUCTION

Contract Awarded.
TEA HOUSE Cost, \$2500
ALAMEDA, Alameda Co., Cal. 700 Grand Street.
 Frame and stucco tea house (tile roof, stone fireplace, slate floor, steel sash).
Owner—Mrs. Arthur C. Oppenheimer, 700 Grand St., Alameda.
Architects—Kent and Hass, 525 Market St., San Francisco.
Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland.

STOCKTON, San Joaquin Co., Cal.
 City council has voted to postpone award of contract to Wellman Buck, 301 E Wyandotte St., Stockton, at \$15,235 to construct a new grandstand at Oak Park to replace one destroyed by fire. The city will receive \$3,000 in insurance and it is probable that the plans will be revised to have the work completed within that amount.

Contract Awarded.
TRACK Cont. price, \$239,775
BERKELEY, Alameda Co., Cal. University Campus, Fulton and Bancroft Streets.
 Reinforced concrete track Stadium Bowl (to seat approx. 20,000).
Owner—University of California.
Architect—Warren C. Perry, 260 California St., San Francisco.
Contractor—C. Dudley DeVellis, 369 Pine St., San Francisco.
 Work involves two bleacher structures of reinforced concrete, team quarters, lockers and showers, toilet rooms, telephone and radio accommodations.

SACRAMENTO, Cal.—City Manager James Dean is preparing estimates of cost for the building dressing rooms, showers and sanitary facilities at the H Street bridge bathing beach. The estimates are wanted for guidance in preparing a report to the city council on the proposal of E. Clemens Horst, owner of the property, that the city lease the beach and operate it as a public enterprise.

SAN FRANCISCO.—Until July 27, 3 P. M., bids will be received by J. S. Dunnigan, clerk, Board of Supervisors, 235 City Hall, for the garbage and refuse disposal franchise of the City and County of San Francisco. Complete particulars and specifications obtainable from the clerk.

SAN LEANDRO, Alameda Co., Cal.—Until August 5, 8 P. M., bids will be received by city council to install electric signals at East 14th St. and Davis and East 14th St. and Dutton Ave. Specifications on file in office of clerk. W. A. Richmond is city manager.

MARCH FIELD, Riverside Co., Cal. Constructing Quartermaster. March Field, rejects bids received June 9 to construct incinerator. New bids will be asked on an incinerator of a different type.

Contract Awarded.
MORTUARY Cost, \$25,000
OAKLAND, Alameda Co., Cal. Telegraph and 30th Avenues.
 Two-story mortuary building.
Owner—Oakland Undertaking Co., 3007 Telegraph Ave., Oakland.
Architect—Raymond De Sanno, 2584 Milvia St., Berkeley.
Contractor—J. J. Power, 633 40th St., Oakland.

Contract Awarded.
ELEVATOR Cont. price, \$2235
OAKLAND, Alameda Co., Cal.

Furnish and install one electrically controlled passenger elevator at Grove Street Terminal.
Owner—City of Oakland (Port Commission), 424 Oakland Bank Bldg., Oakland.
Plans by Eng. Dept. of Owner.
Contractor—Spencer Elevator Co., 166 7th St., San Francisco.

STOCKTON, San Joaquin Co., Cal.
 Wellman Buck, 301 E-Wyandotte St., Stockton, at \$15,235 awarded contract by city council to construct new grandstand at Oak Park, to replace the one destroyed by fire. Will have seating capacity of 2750.

Contract Awarded.
BRIDGE Cont. price, \$765
OAKLAND, Alameda Co., Cal.
 Structural steel frame for passenger bridge connecting two wings of building at Grove Street Pier, Inner Harbor.
Owner—City of Oakland (Port Commission), 424 Oakland Bank Bldg., Oakland.
Plans by Eng. Dept. of Owner.
Contractor—Judson - Pacific Co., foot of Park Ave., Oakland.

To Take Bids Within One Week From Selected List of Contractors.
MORTUARY Cost, \$30,000
HAYWARD, Alameda Co., Cal.
 One-story brick and frame Class C mortuary building.
Owner—Pratt Mortuary, 1044 C Street, Hayward.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.

MISCELLANEOUS SUPPLIES AND MATERIALS

SAN FRANCISCO.—Until July 20, 3 P. M., under Proposal No. 742, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and deliver 1,000 gallons of cement paint for use of the Park Commission on the Kezar Stadium. Specifications obtainable from above office.

BUSINESS OPPORTUNITIES

Names and addresses of persons or firms concerned in the following opportunities will be furnished on request to Business Opportunity Department. Daily Pacific Builder, 547 Mission St., San Francisco or Phone GARfield 8744.

21182—Machinery. Seville, Spain. Party is desirous of contacting manufacturers of fish oil and manure machinery.

21187—Sicilian Terra Cotta Art. San Francisco. Sicilian exporters of art goods for architectural ornament wish to appoint a representative in this territory.

21201—Oregon Pine. Casablanca, Morocco. Party inquires for list of exporters of Oregon pine.

Although a number of complaints have been received as to the wages paid on certain building work for the federal government, labor department officials state that the secretary of labor has not yet been called upon to take a hand in the situation. Paul Wootton, Washington correspondent for Engineering News-Record reports. In every dispute that has arisen so far it has been found that the matter can be adjusted by the contracting officer of the department doing the work or by a direct agreement between the contractor and labor elements so as to preclude the necessity of submitting an appeal to the secretary.

BUILDING HIGHER IN TEN P. C. BIG CITIES

Los Angeles rated first place among Pacific Coast cities for building operations during the month of June with a total of \$4,460,000. San Francisco rated second with \$2,371,791. Oakland registered \$629,336; Seattle, \$565,180 and Portland, Ore., \$563,285.

Building activities in June were 6 per cent higher than in May in the 10 largest cities of the Pacific Coast, measured by building permit totals. The 10 cities issued permits for \$19,121,000 worth of building in June, compared with \$9,548,000 in May. It was the second consecutive monthly increase.

The ranking of the 10 cities having the largest population, in order of building activity, for the first 6 months, was:

Los Angeles	\$22,702,000
San Francisco	12,670,000
Seattle	5,965,000
Oakland	4,667,000
Portland	3,500,000
San Diego	3,179,000
Long Beach	2,576,000
Sacramento	2,482,000
Tacoma	1,674,000
Spokane	1,294,000

Plumbers Denies Not Having State License

Denying a charge that he operated a plumbing business without a state license, A. M. Drinkwater will be tried July 22 by a jury in the court of Justice of the Peace Grandin H. Miller, at San Jose.

Drinkwater, who is at liberty on \$500 cash bail, was arrested on a warrant sworn out by James Felton, inspector for the State Department of Professional and Vocational Standards.

SIBLEY GRANTED LEAVE BY U. OF N.

Dean Frederick H. Sibley of the college of engineering at the University of Nevada and head of the department of mechanical engineering, was granted a year's leave of absence at a meeting of the Board of Regents, at a meeting of the Board of Regents. Dean Sibley will be located in New England next year where he will head the mechanical engineering department at the University of Vermont.

Stanley G. Palmer, professor of electrical engineering, was appointed acting dean to serve during the absence of Dean Sibley.

May, 1931, shipments of steel-furniture stock goods, as reported to the Bureau of the Census by 34 manufacturers in the "business group" totaled \$1,294,104 as compared with \$1,486,537 in April, \$2,342,097 in May, 1930 \$2,824,130 in May, 1929, and \$3,213,291 in May, 1928. May shipments of shelving, compiled from reports of 16 companies, totaled \$975,936 as compared with \$386,678 in April, \$751,521 in May, 1930, \$989,129 in May, 1929, and \$768,988 in May, 1928.

The Lumbermen's Accident Prevention Association in cooperation with the State Industrial Accident Commission has given every effort to reduce deaths and injuries in lumber and sawmill operations. The cooperative efforts show success. During 1929, 35 fatalities were reported, compared with 45 in 1929, while the 1924 and 1925 records were 66 and 65. The permanent injuries in 1930 were 124, a heavy drop from previous years, and a list of 3,341 temporary accidents was fully 2,000 less in earlier years.

Engineering News Section

BRIDGES

CAKELAND, Cal. Until July 11, 8:30 P. M., bids will be received by W. W. Campbell, acting city clerk, to construct concrete culvert in Norton Ave. southwest of Guide St. Bond of one-quarter of the contract price required with bid. Plans on file in office of clerk. Walter N. Erickstad, city engineer.

SAN LEANDRO, Alameda Co., Cal. Until August 5, 8:00 P. M., bids will be received by city council to construct steel and concrete bridge over San Leandro Creek in Park Street; will be 90 ft. long and 70 ft. wide with 10 ft. sidewalks on each side, the 60 ft. roadway to be divided for four lanes of traffic. Estimated cost \$35,000 of which the county will pay \$25,000. The city has already provided \$10,000 as its share of the cost from budget funds. Plans obtainable from W. A. Richmond, city manager, and on file in office of the city clerk.

RIVERSIDE COUNTY, Cal.—Byerts and Dunn, 7908 Santa Monica Blvd., Los Angeles, at \$105,865.50 awarded contract by State Highway Commission for widening an existing multiple arch bridge in Riverside County, across the Santa Ana River near Riverside, by constructing alongside the existing bridge a multiple span reinforced concrete arch bridge consisting of two 95-ft. spans, two 102-ft. spans and one 106-ft. span on concrete piers and abutments with pile foundation. Complete list of unit bids received on this project published in issue of July 1.

MONTEREY COUNTY, Cal.—Geo. J. Ulrich Constructing Co., Modesto, at \$33,705 awarded contract by State Highway Commission to construct a reinforced concrete bridge in Monterey County over Granite Creek, about 14 miles south of Monterey, consisting of one 127-ft. open sprandel arch span, two girder spans, each approximately 44-ft. long and two girder spans each approximately 36-ft. long. Complete list of unit and total bids received on this project published in issue of June 30.

SANTA CRUZ, Santa Cruz Co., Cal. —Finance Committee of the Board of Supervisors will recommend an appropriation in the 1931-1932 budget to finance construction of a new bridge at the entrance to the new County Big Tree Park. The bridge, of either concrete or steel construction, will be constructed over the San Lorenzo river at a point opposite Felton Acres on the San Lorenzo River Drive. The cost will be in the neighborhood of \$40,000.

VISALIA, Tulare Co., Calif.—Earl Bowen, Strathmore, at \$2,878.68 awarded contract by county supervisors to construct reinforced concrete bridge No. 92 over White River on county highway between Ducor and Richgrove, involving: 174.63 cu. yds. class A concrete in bridge structure; 9.02 cu. yds. class F concrete in bridge structure; 31.29 cu. yds. of class A concrete in pavement;

100,000 cu. yds. of earth fill on approaches;

Detour.

All the material to be used in the construction of the bridge will be furnished by the County of Tulare f.o.b. Ducor, Calif., on the Southern Pacific Railroad Co.'s siding. Complete list of bids follows:

Earl Bowen, Strathmore.....	\$2878.68
Fred Kame, Visalia.....	2886.76
Wm. Hies, Hanford.....	3005.72
G. R. Shaiman, Fresno.....	3194.25
R. Hodgson & Sons, Porterville.....	3326.07
A. N. Pittman, Earlimart.....	3568.11
Dean & Strobe, Bakersfield.....	4369.38

SAN JOSE, Santa Clara Co., Cal.—Engineering Dept., Southern Pacific Railroad, 65 Market St., San Francisco, has filed plans with the city council for the proposed Alameda Subway, a unit in the \$4,500,000 rerouting system of the railroad through San Jose. The Alameda Subway will involve an expenditure of \$180,000. It will carry street traffic under the rails. From where the street starts sloping down under the rails until it becomes level again on the other side of the subway will measure 566 feet. Vehicular traffic will have a maximum overhead clearance of 15 feet. The subway will provide two 30-foot traffic lanes and two 6-foot sidewalks. The traffic lanes are divided by a two-foot upright pillar and the sidewalks are shut off from the traffic lanes by artistic archways. The top of the subway will carry four railroad tracks and will be 70 feet in width. The traffic lanes below will be of concrete, provided with a non-skid surface.

NAPA, Napa Co., Cal.—Until July 20, 7:30 P. M., bids will be received by H. H. Thompson, city clerk, to construct concrete bridge over the Napa River at Third Street, involving:

- (1) 2,270 cu. yds. struc. excav;
- (2) 850 cu. yds. rdwy. embankment;
- (3) 10,900 lin. ft. furnish Douglas Fir piles, including test piles;
- (4) 275 each, drive Douglas Fir piles, including test piles;
- (5) 340 cu. yds. class A Portland cement concrete (placed by tremie);
- (6) 1,320 cu. yds. class A Portland cement concrete (structure);
- (7) 385 cu. yds. class B Portland cement concrete;
- (8) 16 cu. yds. class E do;
- (9) 50 cu. yds. class A Portland cement concrete (pavement);
- (10) 191,000 lbs. reinforcing steel;
- (11) 4,000 lbs. cast steel rockers and bearings;
- (12) 1 set of lighting equipment in place, complete;
- (13) remove existing bridge;
- (14) construct and maintain one temporary foot bridge;
- (15) 1 lot of miscellaneous work.

Certified check 10% payable to City of Napa required with bid. Plans obtainable from H. A. Harrold, city engineer.

SANTA BARBARA, Calif.—C. D. Reiner & Son, 131 E. Fesler St., Santa Maria, awarded contract at \$3570 by county to construct three culverts on Pythian Road in the Fifth Road District; Contract No. 5001. Other bids were: Santa Maria Const. Co., \$3864; Neves & Harp, \$5880.

SHASTA COUNTY, Cal.—Following three low bids received July 8 by the State Highway Commission to construct timber bridge across Seaman Gulch about 23 miles east of Redding, consisting of twenty-two 19-ft. spans on frame bents with concrete pedestals:

Rufus Bean, Clipper Mills.....	\$15,358
John Berlinger, Orland.....	16,531
R. B. McKenzie, Red Bluff.....	19,378

SANTA BARBARA, Calif.—C. D. Reiner & Son, 131 E. Fesler St., Santa Maria, awarded contract at \$7975 by county supervisors to construct concrete and steel bridge on the San Julian Road; Contract No. 4004. Other bids were: Merritt, Chapman & Scott Corp., \$8193; J. C. Donovan & Son, \$8709.

IRRIGATION PROJECTS

MONTEREY, Monterey Co., Calif.—Until Aug. 6, 3 P. M., bids will be received by U. S. Engineer Office, Customhouse, San Francisco, for furnishing stone and constructing breakwater in Monterey Bay. Project involves: Furnish and place 200,000 tons of stone, as follows:

- (1) 300 to 500 lbs.
- (2) 50% 2 tons each.
- (3) 5 tons or over.
- (4) 10 tons or over.

Specifications and further information obtainable from above office.

HANFORD, Kings Co., Cal.—Empire West Side Irrigation District was organized at a recent election. The area embraced by the district consists of 6,525 acres of land in the vicinity of Stratford and the water for it is to be diverted from the Kings River. Irrigation facilities of the Empire Land Company will be taken over. George Quist of Stratford is a director of the district.

CALIFORNIA—Following applications filed during the month of June, 1931, with the State Department of Public Works, Division of Water Rights, Edward Hyatt, State Engineer, for permits to appropriate water:

Application 6970 (Los Angeles Co.) Harry M. Miller, Little Rock, for 2 miners inches or 0.05 c. f. s. from an unnamed Spring tributary to Mojave Desert, for irrigation and domestic purposes (2 acres).

App. 6971 (Alpine Co.) State of California, Dept. of Public Works, Division of Highways, District X, 0.016 c. f. s. from an unnamed Spring tributary to Middle Fork of Stanislaus River for domestic purposes. Est. cost \$1000.

App. 6972 (Nevada Co.) C. A. Casey, Mill Valley, one miners inch from a Spring tributary to Middle Fork of Yuba River, for mining and domestic purposes.

App. 6973 (Kern Co.) Clinton E. Albertson, Box 15, Inokern, for 500 gallons per day from a well for mining and domestic purposes. Est. cost \$200.

App. 6974 (Sierra Co.) Minnie F. Dutton, 255 N. Ardmore St., Los Angeles, 163 c. f. s. from South Fork of North Fork of Yuba River tributary

to North Fork of Yuba River, for power purposes.

App. 6975 (Tuolumne Co.) State of California, Dept. of Public Works, Division of Highways, 0.015 c. f. s. from an unnamed Spring tributary to South Fork of Tuolumne River for domestic purposes. Est. cost \$1000.

App. 6976 (San Bernardino Co.) Wayne Courtney, 1318 W. 94th St., Los Angeles, 3 c. f. s. from Antelope Canyon tributary to Mojave Desert, for irrigation and domestic purposes.

App. 6977 (Kern Co.) W. F. Elwin and Noah Adair, % C. L. Adair, 308 Date St., Rialto, 3 c. f. s. from wells tributary to Goler Creek, tributary to Mojave Desert for mining purposes. Est. cost \$3000.

App. 6978 (Trinity Co.) Edward L. Schreckengost, Douglas City, Trinity County, 2 c. f. s. from Browns Creek tributary to Trinity River, for mining purposes. Est. cost \$800.

App. 6979 (Humboldt Co.) Ulysses S. Grant Myers, Weott, Calif., 0.025 c. f. s. from Pete Creek tributary to South Fork of Eel River, for domestic purposes. Est. cost \$2750.

App. 6980 (Tulare Co.) Frank O. Sheldon, P. O. Box 68, Porterville, 200 gallons per day from a spring tributary to South Fork of Middle Fork of Tule River for domestic purposes. Est. cost \$55.

App. 6981 (Tulare Co.) N. N. Redford, A. M. Griggs, R. Y. Roper, % N. N. Redford, Exeter, 600 gallons per day from Menarch Creek, tributary to East Fork of Kaweah River for domestic purposes.

App. 6982 (Trinity Co.) Basil Frolloff, Weaverly, 12.5 c. f. s. from Rush Creek tributary to Trinity River for mining and domestic purposes. Est. cost \$50.

App. 6983 (Placer Co.) Brockway Land & Water Co., a Corporation, % Jessie H. Miller, Atty., 712 deYoung Bldg., San Francisco, 1.0 c. f. s. from Griff Creek tributary to Lake Tahoe, for irrigation and domestic purposes (\$41.88 acres).

App. 6984 (Merced Co.) Stevinson Water District, a Corporation, % Hatfield & Kilkenny, Atty., 315 Chancery Bldg., San Francisco, 175 c. f. s. from McCoy Spillway, Arena Spillway, Livingston Drain, Bear Creek, Owens Creek, Duck Creek, Deadman Creek, tributary to San Joaquin River, for irrigation purposes (20,698.33 acres). Est. cost \$50,000.

App. 6985 (Trinity Co.) Majestic Mines Co., Weaverly, 100 c. f. s. from Rush Creek tributary to Trinity River, for mining and domestic purposes. Est. cost \$50,000.

App. 6986 (Del Norte Co.) D. R. Morrison and W. J. Cooley, % Daniel M. Hunsaker, Atty., Rowan Bldg., Los Angeles, 50 c. f. s. from Elk Creek tributary to Illinois River, for mining purposes. Est. cost \$200.

App. 6987 (Siskiyou Co.) T. A. Swaney, Almsworth Bldg., Portland, Ore., 20 ac. ft. per annum from Hungary Creek and unnamed springs tributary to Klamath River for mining and domestic purposes.

App. 6988 (El Dorado Co.) Harold J. Smith, 602-4 Medico Dental Bldg., Sacramento, 200 gallons per day from Rock Creek tributary to South Fork of American River for domestic purposes. Est. cost \$100.

CALIFORNIA — Following permits were granted during the month of June, 1931, by the State Department of Public Works, Division of Water Rights, Edward Hyatt, state engineer, to appropriate water:

Permit 3721, Application 6923 (Sierra County) Geo. F. Taylor, Downville, 50 cubic feet per second from Cherokee Creek, for mining purposes.

Per. 3722, App. 6717 (San Bernardino Co.) Geneva C. Baxter, Victorville, 0.4 cubic foot per second from Silver

Creek Canyon for irrigation purposes on 180 acres. Est. cost \$100.

Per. 3723, App. 6836 (Mariposa Co.) Mrs. Estelle I. Fraser, Conterville, 39 cubic feet per second from North Fork of Merced River for power purposes.

Per. 3724, App. 6541 (Los Angeles Co.) Ernest E. Pettinger and Ralph Wagner, Saugus, 0.95 cubic foot per second from Drippy Spring for irrigation and domestic purposes on 4 acres. Est. cost \$250.

Per. 3725, App. 6462 (Riverside Co.) Motor Transit Terminal Corp., Los Angeles, 1 cubic foot per second from drainage ditch for irrigation purposes on 80 acres.

Per. 3726, App. 6521 (Ventura Co.) George D. Hantgin, et al, Ojai, for 1 cubic foot per second from unnamed springs in Cozy Dell Canyon for irrigation and domestic purposes on 80 acres. Est. cost \$2500.

Per. 3727, App. 6066 (Monterey Co.) Florence Hogue, Los Angeles, 3 cubic feet per second from Bixby Creek for power purposes. Est. cost \$9000.

Per. 3728, App. 6067 (Monterey Co.) Florence Hogue, Los Angeles, 1 cubic foot per second from (2) Bixby Creek, (3) Cross Canyon, (4) Daisy Gulch, (5) Bear Trap Canyon, for domestic purposes. Est. cost \$22,000.

Per. 3729, App. 6122 (Monterey Co.) Florence Hogue, Los Angeles, for 1 cubic foot per second from Sierra Creek for domestic purposes. Est. cost \$8000.

Per. 3730, App. 6927 (Lake Co.) P. V. Pedroncini, Ukiah, 0.1 cubic foot per second from two unnamed springs for irrigation and domestic purposes on 7 acres. Est. cost \$3000.

Per. 3731, App. 6911 (Humboldt Co.) Mrs. Sarah J. Carpenter, Salyer, 1.2 cubic feet per second from Ammon Creek for irrigation purposes on 50 acres. Est. cost \$800.

Per. 3732, App. 6660 (Butte Co.) A. H. Dakin, Magalia, Calif., 3 cubic feet per second from Empire Creek for mining purposes. Est. cost \$1500.

Per. 3733, App. 5953 (Mono Co.) Harry A. Culver, June Lake, 0.025 cu. ft. per second from an unnamed Spring for domestic purposes. Est. cost \$100.

Per. 3734, App. 6874 (Plumas Co.) Oscar T. Schumacher, Quincy, 1 cubic foot per second from an unnamed steam for mining and domestic purposes.

Per. 3735, App. 6842 (Eldorado Co.) J. W. Moore and W. C. Neumiller, Stockton, for 1800 gallons per day from Forni Creek for domestic purposes. Est. cost \$350.

Per. 3736, App. 6872 (Plumas Co.) Max Paul Boehme, San Francisco, 0.1 cubic foot per second from Mill Creek for irrigation and domestic purposes on six acres. Est. cost \$1500.

Per. 3737, App. 6844 (Sierra Co.) Kate Hardy Mining Co., Downville for 0.025 cubic foot per second from an unnamed ravine for mining purposes. Est. cost \$300.

Per. 3738, App. 6838 (San Diego Co.) Larry Dominguez, Julian, Calif., for 1 cubic foot per second from an unnamed spring for irrigation and domestic purposes on 80 acres.

Per. 3739, App. 4977 (Santa Barbara Co.) J. G. Reinhart, Los Angeles, for 0.73 cubic foot per second from underground channel of Los Alamos Creek for irrigation purposes on 58.43 acres. Est. cost \$2500.

MACHINERY AND EQUIPMENT

SACRAMENTO, Cal.—Until July 24, 8 P. M. bids will be received by A. G. Franklin, clerk, Freeport School District, to furnish one 25- to 35-passenger bus complete, allowance to be made for bus now owned by the district. Certified check 10% payable to district required with bid. Spec-

ifications and further information obtainable from clerk.

RENO, Nevada—Until August 5, 10 A. M., bids will be received by H. H. Beemer, county clerk, to furnish one sedan automobile with non-shatterable glass. Further information obtainable from clerk.

SAN DIEGO, Cal.—Until 11 A. M., July 28, bids will be received by the 11th Naval District, Public Works Office, San Diego, for one electric traveling bridge crane at the Naval Operating Base (Air Station), San Diego; Specifications No. 6472. The crane shall have a capacity of five tons and a span of 46 feet 5 inches, center to center of runway rails; it shall be equipped with 3-phase, 220-volt, 60-cycle motors. The work shall include the furnishing and installing of the crane complete with all accessories including ladder from mezzanine floor to crane foot-walk; runway and trolley conductors; conduit and wire from runway conductors to the switchboard and certain modifications in existing switchboard.

Specifications obtainable from above office on deposit of \$10, checks for same to be made payable to Chief of the Bureau of Yards and Docks.

BERKELEY, Alameda Co., Calif.—Until July 20, 8 P. M., bids will be received by Clara F. Andrews, secretary, Board of Education, 2325 Milvia Street, to furnish and deliver one used Engine Lathe and Shaper, complete, for the Berkeley School District. Further information obtainable from the clerk.

SAN FRANCISCO—Road contractor wanted to bid or cooperate with a local bidder in connection with a large mid-West state road project. Those interested must have modern equipment. Address replies to Box 150, Daily Pacific Builder.

WASHINGTON, D. C.—See "Government Work and Supplies," this issue. Bids wanted by Bureau of Supplies and Accounts, Navy Dept., to furnish and deliver miscellaneous machinery, supplies and other equipment to Pacific Coast Navy Yards and Stations.

RAILROADS

OAKLAND, Calif.—City Port Commission has withdrawn the call for bids to construct a spur track from the Southern Pacific Line near First and Webster Sts. to Webster St. Pier. Estimated cost \$1,000. Informal bids will probably be asked for this work.

OAKLAND, Calif.—City Port Commission has completed specifications and bids will be asked shortly to furnish and deliver track materials to serve Warehouse "C" on the waterfront.

FIRE EQUIPMENT

ISLETON, Sacramento Co., Calif.—City votes bonds of \$18,400 to finance erection of a new firehouse and the purchase of fire fighting apparatus.

SAN MATEO, San Mateo Co., Cal.—Until August 1, bids will be received by E. W. Foster, city clerk, to furnish and deliver one 600-gallon pumper for fire department. Specifications obtainable from clerk.

RESERVOIRS AND DAMS

CORCORAN, Kings Co., Cal.—Jordan Concrete Pipe Co., Corcoran, at \$1,725 awarded contract by city trustees to construct one circular concrete

water storage tank in connection with municipal water system.

SANTA BARBARA, Cal.—Johnson & Hanson, 215 W. De la Guerra Street, awarded contract by city council at \$13,372 to construct concrete reservoir and pumping plant substructure in Block 113. Reservoir of 350,000-gallon capacity of reinforced concrete construction.

PIPE LINES, WELLS, ETC.

SANTA BARBARA, Cal.—Until 1:30 P. M., July 10, new bids will be received by city council for construction of pipe line and appurtenant works. The work contemplated involves the furnishing of labor and materials for the construction of a 16-in. concrete and steel pipe line, approximately one mile in length, together with all trenching and backfilling, and the construction of miscellaneous appurtenant works. Plans obtainable from water works superintendent V. E. Trace, on deposit of \$10. Certified check or bond, \$2,000. All bids received July 2 were rejected due to the fact that the low bid was received after the time set for receiving bids. The bids submitted July 2 were: American Concrete & Steel Pipe Co., \$24,310; Lacy Mfg. Co., \$26,463; Franklin B. Gridley, \$28,695; Consolidated Steel Corp., \$28,998.

SAN FRANCISCO.—J. S. Robertson at \$3.60 lin. ft. (\$4,200) awarded contract by Board of Public Works to deepen 12 wells at Pleasanton in connection with Municipal Water system.

L. A. Anderson at \$20,532 awarded contract to drill 6 wells at Pleasanton in connection with Municipal Water system.

Unit bids on these projects published in issue of July 2.

SEWERS AND SEWAGE DISPOSAL PLANTS

ISLETON, Sacramento Co., Calif.—City votes bonds of \$5,200 to finance extensions to sewers.

SAN MATEO, San Mateo Co., Cal.—Cambra & Garden, 800 St. Marys Ave. San Leandro, at \$6,117.73 submitted low bid to city council (31-6) to construct sewers in alleys in Block 8 of East San Mateo and in portions of the Bayshore Highway, involving:

- (1) 700 ft. 15-in. vitrified pipe;
- (2) 1,860 ft. 12-in. do;
- (3) 675 ft. 10-in. do;
- (4) 50 ft. 8-in. do;
- (5) 2,975 ft. 6-in. do;
- (6) 25 manholes.

Complete list of total bids follows:
 Cambra and Garden.....\$6,117.73
 W. J. Tobin.....6,780.27
 John Wright.....6,845.63
 Oakland Sewer Const. Co.....6,951.08
 H. E. Connor.....7,145.41
 Geo. DeGolyer.....7,232.06
 E. J. Treacy.....7,266.62
 Robert McNair.....7,593.65
 J. T. Clinch.....8,204.47
 W. J. Smith.....8,617.02

PITTSBURG, Contra Costa Co., Cal.—Proceedings have been started for the formation of a sanitary district in the subdivisions from Bella Vista to the Willow Pass on the west. A. P. Enes, promoter of the Enes Tract, plans to organize 200 residents of Bella Vista, Ambrose, the Enes Tract, and other subdivisions. Bonds will be issued to finance sewer construction and a septic tank between the Shell Plant and the Santa Fe property.

SAN FRANCISCO.—E. J. Treacy, Call Bldg., at \$1,575 awarded contract by Board of Public Works to construct

sewer in Alameda Blvd., Section C, from San Jose Ave. to Palmview St. Unit bid listing published in issue of July 2.

VALLEJO, Solano Co., Calif.—City has started proceedings to sewer Arkansas St. bet. Sutter and Madara Sts. T. D. Kilkeny, city engineer.

WATER WORKS

SANTA BARBARA, Cal.—Contracts for furnishing pumping equipment awarded by the city council as follows:
 Item (22) centrifugal pump, to Byron-Jackson Co., at \$5896.60.
 Item (1) to (21) turbine pumps, to Pomona Pump Co., at \$9554.31.

SANTA BARBARA, Cal.—Wallace & Tiernan Co., 3923 W. 6th St., Los Angeles, awarded contract by city council at \$1766 for furnishing a 20-lb. semi-automatic solution feed chlorinator equal to Wallace & Tiernan Co's vacuum type, with all necessary special fittings.

SACRAMENTO, Cal.—Until July 16, 8:15 P. M., bids will be received by H. G. Denton, city clerk, to furnish and drive 1,870 composite or treated timber piles for the new Pre-treatment Works at the Municipal Filtration Plant. Certified check 10% payable to City Controller required with bid. Specifications obtainable from Fred J. Klaus, city engineer, on payment of \$5.

OAKLAND, Cal.—Until July 17, 5:30 P. M., bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, 512 16th St., to furnish and erect one 220,000 gal. steel storage tank and one 60,000 gal. steel storage tank. Specifications obtainable from above.

OAKLAND, Cal.—Until July 17, 5:30 P. M., bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, 512 16th St., to construct and furnish f.o.b. 22nd and Adeline Streets, Oakland, three pumping units for the Castro Valley Booster.

OAKLAND, Cal.—Until July 22, 8:00 P. M., bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, 512 16th St., to furnish and deliver 900 cast iron bell and spigot water pipe fittings of 4-inch to 12-inch diameters. Specifications obtainable from above.

ISLETON, Sacramento Co., Calif.—City votes bonds of \$4,800 to finance extensions to water mains and installation of additional fire hydrants.

LIVINGSTON, Merced Co., Calif.—Until July 17, 2 P. M., (time extended from July 10), bids will be received by L. B. Reed, Secretary, Winton Cemetery District, to furnish and install galvanized iron pipes and fittings (American made) in quantities as provided in the specifications. W. E. Bedesen, engineer, Shaffer Bldg., Merced. Specifications obtainable from engineer. (Bids will be opened in the office of the Livingston Chronicle at Livingston).

DAVIS, Yolo Co., Cal.—Until July 16, 8 P. M., bids will be received by F. A. Plant, city clerk, under

Proposal No. 1 to furnish labor and material to sink well;

Proposal No. 2 to construct pump-house with necessary excavating, installation of pumps, piping, valves, ready for connection to water mains, together with other incidental work.

Certified check 10% payable to city

required with bid. Specifications on file in office of clerk.

AUBREY, Fresno Co., Cal.—County Surveyor Chris P. Jensen is preparing plans to bring additional water supply to the county tubercular sanatorium at Aubrey. The cost is estimated at \$12,000.

STREETS AND HIGHWAYS

SAN DIEGO COUNTY, Calif.—Following three low bids received July 8 by State Highway Commission to furnish and apply heavy fuel oil on each side of existing pavement on 33.9 miles between La Mesa and La Posta Creek.

Square Oil Co., 916 Adobe, Los Angeles.....\$10,297
 Pacific Tank Lines, Inc., L. A.....14,149
 Gilmore Oil Co., Ltd., L. A.....16,964

SAN FRANCISCO.—Until July 29, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to improve Grafton and Garfield Avenues between Orizaba and Head Sts., etc., involving:

- (1) 5,950 cu. yds. excavation;
- (2) 300 cu. yds. embankment;
- (3) 979 lin. ft. unarmored conc. curb;
- (4) 8,150 sq. ft. 1-course conc. sidewalk;
- (5) 4 brick catchbasins;
- (6) 90 lin. ft. 10-in. V.C.P. culverts;
- (7) 295 lin. ft. 8-in. V.C.P. sewer;
- (8) 236 lin. ft. 12-in. do;
- (9) 4 brick manholes;
- (10) 16 12x6-in. Y or T branches;
- (11) 12 8x6-in. do;
- (12) 535 lin. ft. 6-in. V.C.P. side sewer
- (13) 21,680 sq. ft. asphalt conc. pavement, 2-in. asph. conc. surface on 6-in. class F concrete base.

Certified check 10% payable to the Clerk of the Board of Supervisors required with bid. Plans obtainable from Bureau of Engineering, 3rd floor, City Hall.

CHURCHILL COUNTY, Nevada.—Until July 15, 2 P. M., bids will be received by State Highway Commission, Carson City, S. C. Durkee, chief engineer for furnishing heating, and applying asphaltic fuel oil and mixing it with a crushed rock or crushed gravel surface on a portion of the state highway system, located in Churchill County, from 5 miles south of Fallon to Salt Wells, Route 2, Sections C-4 and C-2, a length of 10.13 miles, involving:

- (1) 237,807 gals. asphaltic fuel oil applied to roadway surface;
- (2) 10.13 miles mixing asph. fuel oil with crushed rock or crushed gravel surface;
- (3) 10.13 miles rebuilding and finishing shoulders.

The oil shall be delivered at the following railway siding and in the quantity shown: Fallon, 237,807 gals. Average haul on entire contract, 11.56 miles. Specifications, etc., may be obtained from S. C. Durkee, State Highway Engineer, Certified check, 5%.

EUREKA, Humboldt Co., Cal.—Mercer-Fraser Co., Eureka, at \$9,281.68 awarded contract by county supervisors for emulsified asphalt surfacing on various roads in Road District No. 2. Heafey-Moore Co., Oakland, only other bidder at \$9,006.73.

Mercer-Fraser Co. at \$7,025.57 was awarded contract for similar work in Road District No. 3. Heafey-Moore Co., Oakland, only other bidder at \$7,511.40.

Details of this work published in issue of June 22.

SAN DIEGO COUNTY, Cal.—As previously reported, bids will be received July 29 by State Highway Commission to grade and pave with cement concrete 1.1 miles at Jacumba Project involves:

- (1) 68 stations clearing and grubbing; right-of-way;
- (2) 40,000 cu. yds. roadway excavation without class;
- (3) 250,000 station yds. overhaul;
- (4) 1950 cu. yds. structure excavation;
- (5) 13,000 sq. yds. subgrade for pavement;
- (6) 2610 cu. yds. class A Portland cement concrete (pavement);
- (7) 1145 cu. yds. class A Portland cement concrete (structures);
- (8) 30 cu. yds. class A Portland cement concrete (placed by tremie);
- (9) 20 cu. yds. class E Portland cement concrete;
- (10) 235,000 lbs. bar reinf. steel (pavement and structures);
- (11) 110 lin. ft. 18-in. corr. metal pipe
- (12) 135 lin. ft. 24-in. corr. metal pipe
- (13) 40 lin. ft. 36-in. corr. metal pipe
- (14) 470 lin. ft. 18-in. reinf. concrete piles;
- (15) 990 lbs. cast steel rockers and bearings;
- (16) 150 lbs. bronze expansion plates;
- (17) removing existing bridge and overhead crossing;
- (18) 960 cu. yds. Portland cement concrete to be removed from existing pavement;
- (19) 10 sq. yds. cobble drains;
- (20) 1040 M gallons water (embankment);
- (21) 5 each, culvert markers;
- (22) 1500 lin. ft. laminated timber guard rail;
- (23) 56 stations finishing roadway;
- (24) 16 each, monuments complete in place.

State will furnish corrugated metal pipe.

LYON COUNTY, Nev.—Until July 15, 2:30 P. M., bids will be received by State Highway Commission, Carson City, S. C. Durkee, chief engineer, for furnishing and applying cutback asphalt and mixing it with a crushed rock or crushed gravel surface on a portion of the state highway system, located in Lyon County, from 5 miles north of Fernley to Lyon and Churchill County line, Route 1, Sec. B, a length of 8.61 miles, involving:

- (1) 202,000 gals. cutback asphalt applied to roadway surface;
 - (2) 8.61 miles mixing asphalt with crushed rock or crushed gravel surface;
 - (3) 8.61 miles rebuilding and finishing shoulders.
- The asphalt shall be delivered at the following railway siding and in the quantity shown: Fernley, 202,000 gals.; Stage haul on entire contract, 10,000. Specifications, etc., may be obtained from S. C. Durkee, State Highway Engineer, Carson City. Certified check, 5%.

REDWOOD CITY, San Mateo Co., Cal.—Until July 23, 7:30 P. M., bids will be received by J. D. Hedge, clerk Sequoia Union High School District, for grading and surfacing certain driveways and automobile parking spaces on grounds of the high school. Certified check 10% payable to Sequoia Union High School District required with bid. Plans obtainable from C. L. Dimmitt, city engineer, Redwood City.

SAN DIEGO, Calif.—Chicago Bridge and Iron Works submitted low bid at \$9,660 under Specification No. 6483 to Bureau of Yards and Docks, Navy Department, Washington, D. C., for 400,000-gallon steel tank for Naval Oper-

ating Base (Fuel Depot) at San Diego. Complete bid listing follows:
Chicago Bridge and Iron Works, Phila., \$9,660.
Consolidated Steel Corp., Ltd., 1200 N. Main St., Los Angeles, \$9,678.
Western Pipe and Steel Co., 5717 Santa Fe Ave., Los Angeles, \$10,038.
Chas. W. Pettifer Co., 733 W. 14th St., Long Beach, Calif., \$11,650.
English Constructing Co., Washington, \$14,600.

LASSEN COUNTY, Cal.—Following three low bids received July 8 by the State Highway Commission to improve 7.5 miles between Doyle and Long Valley Creek, 4.3 miles to be surfaced with selected material and 7.5 miles to be oiled:
Capitol Const. Co., Sacramento, \$18,637
C. A. Ladeveze, Los Angeles, 20,455
Geo. French, Jr., Stockton, 21,503

NEVADA COUNTY, Cal.—Following three low bids received July 8 by the State Highway Commission for grading and surfacing with untreated crushed gravel or stone, 2.9 miles between the westerly boundary and Toll House:
F. Cuffe, San Anselmo, \$65,619
Hennestreet & Bell, Marysville, 90,762
Kennedy Const. Co., Oakland, 95,987

ALAMEDA COUNTY, Calif.—Until July 30, 2 P. M., bids will be received by Jno. H. Ekeggs, district engineer, State Highway Commission, State Bldg., San Francisco, to plane the existing asphaltic concrete surface on 9.4-miles between the easterly boundary and Greenville.

SANTA CLARA COUNTY, Cal.—Until July 20, 2 P. M., bids will be received by Jno. H. Ekeggs, district engineer, State Highway Commission, State Bldg., San Francisco, for placing rock borders on 5.2-miles between Gilroy and the Pajaro River.

COLUSA COUNTY, Cal.—Following three low bids received July 8 by the State Highway Commission to surface with gravel 6.6 miles between 12 miles and 5 miles west of Williams:
Capitol Const. Co., Sacramento, \$39,997
C. W. Wood, Stockton, 44,950
Frederickson and Watson and Frederickson Bros. Oakland 47,550

PLACER COUNTY, Cal.—Following three low bids received July 8 by the State Highway Commission to surface with bituminous treated crushed gravel or stone (plant mix), 9.1 miles between Colfax and Gold Run:
Southwest Paving Co., Washington Bldg., Los Angeles, \$ 90,675
Healy Tibbitts Const. Co., San Francisco, 101,310
Clark & Henery, S. F., 109,740

SAN FRANCISCO.—Until July 10, 10 A. M., under Circular No. 928-32-11, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish 300 cubic yards of 2,000 lbs., Grade C road asphalt, 21-30 penetration. To be delivered in well coopered single end barrels, with 4 iron bands or hoops, suitable for export shipment. Barrels to contain approximately 435 lbs. each.

EUREKA, Humboldt Co., Cal.—Merced-Fraser Co., Eureka at \$821 awarded contract by county supervisors to construct concrete sidewalks at the Veterans' Memorial Building. Other bids: Bliven and Reese, \$985; J. B. Morganti, \$996.

MONTEREY, Monterey Co., Cal.—Property owners propose to finance by private contract the extension of Scott Street to connect with Washington and Tyler near the Southern Pacific Depot. The cost is placed at \$32,000. Howard Severance is city engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—Granite Const. Co., Watsonville, at \$31,259.43 awarded contract by county supervisors for macadam pavement surface on the Bodfish Road in the Pajaro Road District from the end of East Lake Ave. to the summit in Santa Clara County. Work involves
(1) 2,275 tons Logan rock waste in place;
(2) 27,290 gallons 60-70 barrels fuel oil in place;
(3) 49,400 sq. ft. oil macadam surfacing, in place.
Unit bids follow:
(A) Granite Const. Co., Watsonville, \$31,259.43.
(B) Pacific Const. Co., \$36,749.80.

	(A)	(B)
(1)	\$1.85	\$2.75
(2) .....	.092	.055
(3) .....	.05	.059

NAPA, Napa Co., Cal.—Geo. French Jr., Cherokee Lane, Stockton, at \$13,000 awarded contract by county supervisors for cut-back asphaltic wear-surfacing on 10 miles from the Putah Creek Bridge through the town of Monticello to a point above the entrance to the Jos. W. Harris Ranch. Following is complete list of bids:
Geo. French, Jr., Stockton, \$13,000
Harold Smith, St. Helena, 14,625
A. Teichert & Son, Sacramento 14,825
Highway Builders, Ltd., San Anselmo, 15,125
Hutchinson Co., Oakland, 15,370
Chas. Chittenden, Napa, 16,700
Pacific Pavements, Ltd., S. F., 19,550

EL DORADO COUNTY, Calif.—As previously reported, bids will be received July 29, by State Highway Commission to surface with bituminous treated crushed rock, 3.2 miles

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Ten Years of Uniformly Satisfactory Experience in High

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FOR BRICK MORTAR, WHITE COAT AND SAND FLOAT FINISH

Sold by Representative Dealers Everywhere

between 14 Mile Stone and Fresh Pond. Project involves:

- (1) 150 cu. yds. structure excavation;
- (2) 252 tons asphaltic road oil;
- (3) 200 bbls. light fuel oil;
- (4) 3800 tons crushed rock (grading);
- (5) 3.2 miles mixing bituminous binder and mineral aggregate;
- (6) 800 lin. ft. 8-in. perforated metal pipe underdrains;
- (7) 3.2 miles finishing shoulders.

State will furnish crushed rock.

SAN JOSE, Santa Clara Co., Cal.—A. J. Ralsch, Burrell Bldg., San Jose, at \$17,990 awarded contract by county supervisors to improve Foxworthy road in Supervisor Districts Nos. 4 and 5, involving oil macadam surfacing. Complete list of bids follows:

A. J. Ralsch	\$17,990
Granite Construction Co.	21,555
Surveyor's estimate	22,600

TUOLUMNE COUNTY, Cal.—Until July 23, 2 P. M., bids will be received by C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, 461 Market St., San Francisco, for surfacing with bituminous treatment Section B, Long Barn-Stoddard Springs of Route 38, Sonora Pass National Forest Highway in Stanislaus National Forest, 3.740 miles in length, involving:

- (1) 12,500 cu. yds. crushed rock for surfacing;
- (2) 375 tons furnish and apply bituminous binder;
- (3) 800 M. gals. watering;
- (4) 2,000 gals. furnish and apply fuel oil;
- (5) 3.740 miles mixing bituminous treated crushed rock surfacing;
- (6) 3.740 miles rolling.

Specifications obtainable from the engineer on deposit of \$10, returnable, checks for same to be made payable to the Federal Reserve Bank of San Francisco.

SANTA BARBARA, Cal.—Until 1:30 P. M., July 16, bids will be received by city council to improve Valerio St. bet. Clear View Road and end of Valerio St., involving cement concrete pavement, curb, gutter, walk and sewer. 1911 Act. E. B. Brown, city engineer.

BOULDER CITY, Nevade. — New Mexico Constr. Co., Denver, Colo., and Albuquerque, N. M., submitted low bid to U. S. Bureau of Reclamation, Las Vegas, Nev., June 30, at \$274,000 for the improvement of streets, alleys, walks parking areas, and construction of curbs, gutters, sanitary sewers, and water distribution system at Boulder City Nev. The General Construction Corp., of Las Vegas, submitted the next lowest bid at \$336,605.50. There were ten bids in all, the highest being that of John Artukovich at \$504,337. The work will involve the following approximate quantities;

- 120,000 cu. yds. excavation, common, grading;
- 30,000 cu. yds. excav., rock, grading;
- 20,000 station cu. yds. overhaul;
- 94,000 lin. ft. curbs and gutters;
- 6,000 lin. ft. curbs;
- 46,200 sq. yds. 2-course asph. conc. pavement;
- 43,800 sq. yds. 1-course asph. concr. pavement;
- 128,000 sq. yds. oil treated gravel surfacing;
- 11,000 sq. yds. hardpan or gravel surfacing;
- 22,000 sq. yds. parking area surfacing;
- 180,000 sq. ft. concrete sidewalk;
- 190,000 sq. ft. gravel sidewalk;
- 52,000 lin. ft. excavating and back-filling water pipe trenches;
- 59,600 lin. ft. excavating and back-filling sewer trenches;

39,600 lin. ft. laying 4-in. to 12-in. sewer pipe;

- 165 sewer manholes, constructing;
- 49,600 lin. ft. laying 2-in. to 12-in. C. I. pipe;
- 86 5-in. fire hydrants, setting and connecting;
- 13 1½-in. street washers, setting and connecting;
- 155 ¾-in. and 1-in. curb stops and meter boxes, setting and connecting;
- 470 ¾-in. and 1-in. curb stops, setting and connecting;
- 10,000 lin. ft. ¾-in. and 1-in. copper service pipe, laying and connecting.

EL DORADO COUNTY, Cal.—Until July 29, 2 P. M., bids will be received by State Highway Commission to surface with bituminous treated crushed rock, 3.2 miles between 14 Mile Stone and Fresh Pond.

SAN DIEGO COUNTY, Cal.—Until July 29, 2 P. M., bids will be received by State Highway Commission to grade and pave with Portland cement concrete, 1.1 miles at Jacumba.

OAKLAND, Cal.—Until July 14, 8:30 P. M., bids will be received by W. W. Chappell, acting city clerk, to improve portions of Guido St., Norton Ave., and certain conduit rights-of-way adjacent to Guido St., involving grade, curbs:

- (1) 15,208 sq. ft. grading;
- (2) 599 lin. ft. concrete curb;
- (3) 1199 sq. ft. concrete gutter;
- (4) 7918 sq. ft. of penetration macadam pavement;
- (5) 215 lin. ft. 2-ft. x 6-in. by 2-ft. x 6-in. concrete culvert;
- (6) 1 manhole with inlet top;
- (7) 1 manhole with standard top;
- (8) 84 lin. ft. 12-in. plain concrete pipe conduit;
- (9) 92 lin. ft. 21-in. reinf. concrete pipe conduit;
- (10) 2 storm water inlets (34-in. opening).

1911 Act. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Walter N. Frickstad, city engineer.

OAKLAND, Cal.—Until July 14, 8:30 P. M., bids will be received by W. W. Chappell, acting city clerk, to improve Mountain View Ave., between Mountain Blvd. and Leona St., involving grading, curbs, gutters, pavement, three storm water drains. Imp. Act 1911. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Walter N. Frickstad, city engineer.

The last call for bids on proposed public works in the State of California until August 14 is set for July eighth, according to information given out at Sacramento to the Associated General Contractors thru a ruling just made by Attorney-General Webb under Senate Bill 26, which makes mandatory

the establishment of prevailing wage scales on all public work.

The law becomes effective on August 14th. It provides that the awarding bodies of the state shall specify in both the call for bids and in the contract as well the prevailing wage which shall be paid on the particular work. It will require thirty or more days to work out the advertising requirements of the law.

SAN FRANCISCO.—Until July 15, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to improve Montana Street between Faxon and Orizaba Avenues. Project involves:

- (1) 2,800 cu. yds. excavation;
- (2) 550 cu. yds. embankment;
- (3) 1,347 lin. ft. armored conc. curb;
- (4) 10,500 sq. ft. 1-course conc. sidewalk;
- (5) 3 brick catchbasins;
- (6) 70 lin. ft. 10-in. V.C.P. culverts;
- (7) 690 lin. ft. 6-in. V.C.P. side sewers;
- (8) 21,298 sq. ft. asphalt conc. pavement, consisting of 2-in. asphalt conc. surface on 6-in. class F concrete base.

Certified check 10% payable to the Clerk of the Board of Supervisors required with bid. Plans obtainable from Bureau of Engineering, 3rd floor, City Hall.

FRESNO, Fresno Co., Cal.—Thompson Bros., 2150 G St., Fresno, awarded contract by city council (11-D) to improve Coast Avenue between Olive Ave. and Elizabeth Ave., involving:

- Grading, \$.0275 sq. ft.;
- Concrete curb, \$.54 lin. ft.;
- Sidewalks, \$.1825 sq. ft.;
- Drive approaches, \$.25 sq. ft.

BERKELEY, Alameda Co., Calif.—Shell Oil Co. at \$1,600 awarded contract by city council to furnish asphalt to the city for the fiscal year 1931-32. Union Oil Co., and Standard Oil Co. submitted similar bids.

SUTTER COUNTY, Cal.—Jones and King, Hayward, at \$6,247 awarded contract by State Highway Commission for grading and paving with asphalt concrete, 0.3 mile near the Sutter County Hospital. Unit bids on this project published in issue of June 23.

SAN FRANCISCO.—B. Miles awarded contract at \$2,116 by Board of Public Works to improve Sunnydale Ave. between Cora and Rutland Sts. where not, including crossing of Peabody St. Complete bid listing appeared in issue of June 18.

SAN FRANCISCO.—California Construction Co. awarded contract at \$3,076 by Board of Public Works to improve crossing of Quintara between 33rd and 34th Avenues. Complete bid listing appeared in June 18 issue.

CONTRACTORS' MACHINE WORKS

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San Francisco

SAN FRANCISCO.—Bureau of Engineering, Dept. of Public Works, 3rd floor, City Hall, completes specifications to improve south one-half of Wilder St. east of Diamond St. Estimated cost \$600. Project involves: (a) 75 lin. ft. armored concrete curb; (b) 18 lin. ft. 6-in. V.C.P. side sewers; (c) 1,350 sq. yd. asphalt concrete pave. consisting of 2-in. asph. concrete surface on 6-in. class F concrete base.

Rock & Sand Co., Inc., Reno, at \$102,230.58 awarded contract by the State Highway Commission to construct state highway between east foot of Pequops and 4 miles east of Silver Zone, Route 1, Sections F and G2, a length of 18.76 miles, involving:

- (1) 85,100 cu. yds. roadway excav.
- (2) 875 cu. yds. structure excav.
- (3) 7,150 cu. yds. selected borrow excavation in place;
- (4) 63,077 yd. sta. overhaul;
- (5) 10,311 miles prepare subgrade and shoulders;
- (6) 105 demolish headwalls;
- (7) 8.45 miles prepare shoulders;
- (8) 59,300 cu. yds. crushed rock or crushed gravel surface in place;
- (9) lump sum, furnish water equip.;
- (10) 4245 M. gals. applying water;
- (11) 30 cu. yds. class A concrete;
- (12) 20 cu. yds. class B concrete;
- (13) 206 lin. ft. 15-in. corr. metal pipe in place;
- (14) 1018 lin. ft. 18-in. do;
- (15) 518 lin. ft. 20-in. do;
- (16) 314 lin. ft. 30-in. do;
- (17) 36 lin. ft. 36-in. do;
- (18) 15 corr. metal pipe culvert extensions;
- (19) 183 cu. yds. cement rubble masonry in place;
- (20) 110 cu. yds. riprap in place;
- (21) 1750 lin. ft. remove woven wire guard fence;
- (22) 162 monuments in place;
- (23) 3 furnish and install posts for F. A. markers;
- (24) 18.76 miles finishing roadway.

SAN LEANDRO, Alameda Co., Cal.—San Leandro Rock Co., awarded contract to city council to furnish rock and screenings in connection with street repairs for the coming year. U. B. Lee of San Leandro awarded contract for spreading oil.

DOUGLAS COUNTY, Nevada—Jack Gasson, Hayward, Calif., at \$32,411 awarded contract by State Highway Commission for furnishing, heating and applying asphaltic fuel oil and mixing it with crushed rock or crushed gravel surface from 5 miles east of Holbrook to 2 miles north of Carters, and from 4 miles south of Gardnerville to Gardnerville, Route 3, Sections A2, B1 and B2, a length of 19.06 miles, involving:

- (1) 402,646 gals. asphaltic fuel oil applied to roadway surface;
- (2) 19.06 miles mixing asphaltic fuel oil with crushed rock or crushed gravel surface;
- (3) 19.06 miles rebuilding and finishing shoulders.

HUMBOLDT COUNTY, Nevada—Dodge Bros., Inc., Fallon, Nevada, at \$70,155.61 awarded contract by State Highway Commission for furnishing, heating and applying asphaltic fuel oil and mixing it with a crushed rock or crushed gravel surface from Winnemucca to Stonehouse, Route 1, Sections A4, B, C1, and C2, a length of 33.77 miles, involving:

- (1) 793,571 gals. asph. fuel oil applied to roadway surface;
- (2) 33.77 miles mixing asph. fuel oil with crushed rock or crushed gravel surface;
- (3) 33.77 miles rebuilding and finishing shoulders.

CLARK COUNTY, Nevada—Jack Casson, Hayward, Calif., at \$34,285.18 awarded contract by State Highway Commission for furnishing, heating and applying asphaltic fuel oil and mixing it with a crushed rock or crushed gravel surface from west slope of Mormon Mesa to Lower Virgin River Bridge, Route 6, Sections G and H1, a length of 19.63 miles, involving:

- (1) 461,827 gals. asphaltic fuel oil applied to roadway surface;
- (2) 19.63 miles mixing asphaltic fuel oil with crushed rock or crushed gravel surface;
- (3) 19.63 miles rebuilding and finishing shoulders;
- (4) 8584 sq. yds. oiling shoulders and side slopes, including furnishing 4292 gallons asphaltic fuel oil.

SAN JOAQUIN COUNTY, Calif.—N. M. Ball, Porterville, at \$10,925.60 awarded contract by State Highway Commission to grade and pave with cement concrete, 0.3-mile at Ripon. Complete list of unit bids received on this project published in issue of July 2nd.

OAKDALE, Stanislaus Co., Cal.—Property owners will be petition the city trustees to pave F Street, in accordance with the offer of the State Highway Commission to pay \$10,000 towards the cost. The paving project complete will involve an expenditure of \$35,000.

ISLETON, Sacramento Co., Calif.—City votes bonds of \$12,200 to finance street improvements.

YREKA, Siskiyou Co., Calif.—Until July 16, 8 P. M., bids will be received by U. F. Brown, city clerk, (9C) to improve Center St., Lane St., Intersections of Miner with Oregon and Fourth, Broadway, Gold St., portions of Main adjacent to Broadway. Project involves:

- 131,662 sq. ft. surface grading;
- 47,374 lin. ft. concrete curb and gutter;
- 1894 lin. ft. concrete gutter;
- 200 lin. ft. corr. iron part circle culvert, 24-in. on concrete base;
- 100 lin. ft. corr. iron part circle culvert, 18-in. on concrete base;
- 1 concrete catchbasin, complete with frame and grate;
- 330 lin. ft. 15-in. dia. corr. iron pipe culvert in place;
- 1 concrete manhole Type C, complete with drop;
- 1 manhole (brick and concrete), Type B, complete;
- 3 manholes (brick and concrete), Type A, complete;
- 131,662 sq. ft. pavement, 5-7-in. hydraulic concrete with expansion joints every 50 ft. with joints in the center, all expansion joint material $\frac{1}{2}$ -in.;
- 2800 cu. yds. excavation;
- 4734 lin. ft. concrete curb.

City will pay \$6150 cash; balance under 1911 Act and Bond Act 1915. Cert. check 10% payable to Town of Yreka required with bid. Specifications obtainable from Arthur O'Connor, city engineer, and on file in office of clerk.

OAKLAND, Cal.—Four bids received by City Port Commission for paving deck of the Inland Waterways Pier and portions of Webster Street adjacent to the pier. Complete unit bid listing will be found in separate article on page five of this issue.

FRESNO, Fresno Co., Cal.—Valley Paving and Construction Co., Bank of America Building, at \$18,775 awarded contract by county supervisors, bidding on Fresno Type A paving, to surface Mt. Whitney Ave. through Riverdale.

SAN FRANCISCO.—Bureau of Engineering, Dept. of Public Works, 3rd floor, City Hall, completes specifications to improve Elk Street between Bosworth and Chenery Streets. Estimated cost \$1,000. Project involves: (a) 96 lin. ft. armored concrete curb; (b) 10 lin. ft. 6-in. V.C.P. side sewer; (c) 1,344 sq. ft. 6-in. class E concrete pavement.

MARTINEZ, Contra Costa Co., Cal.—Perez and Gatto, Richmond, at \$7,665.60 awarded contract by county supervisors to improve Tennent Avenue in Town of Pinole. See page five, this issue, for complete list of total and unit bids received on this project.

COCONINO COUNTY, Ariz.—Until July 28, 10 A. M., bids will be received by C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, 802 Title and Trust Bldg., Phoenix, Ariz., for grading Section B of Route 10, Pine-Winslow National Forest Highway in Coconino National Forest, 6.432 miles in length, involving:

- (1) 11,000 cu. yds. unclass. excav.;
- (2) 800 cu. yds. unclass. excav. for structures;
- (3) 31,000 cu. yds. unclass. excav. for borrow;
- (4) 11,200 sta. yds. overhaul;
- (5) 6,143 miles finishing earth graded road;
- (6) 31.2 M. B. M. treated timber in place;
- (7) 220 sq. yds. bituminous wearing surface in place;
- (8) 200 cu. yds. cement rubble masonry;
- (9) 544 lin. ft. corr. metal pipe in place;
- (10) 2 cattle guards;
- (11) 6,250 lin. ft. protection ditch;
- (12) 30 right of way monuments;
- (13) 448 lin. ft. corr. metal pipe (clean and relay).

Specifications obtainable from the engineer on deposit of \$10, returnable, checks for same to be made payable to the Federal Reserve Bank of San Francisco.

CALAVERAS COUNTY, Cal.—Until July 28, 2 P. M., bids will be received by C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, 461 Market St., San Francisco, for surfacing with bituminous treatment Section B of Route 35, a distance of 3.085 miles, involving:

- (1) 10,000 cu. yds. crushed rock for surfacing;
- (2) 310 tons furnish and apply bituminous binder;
- (3) 650 M. gals. watering;
- (4) 3.085 miles mixing bitum. treated crushed rock surfacing;
- (5) 3.085 miles rolling.

Specifications obtainable from the engineer on deposit of \$10, returnable, checks for same to be made payable to the Federal Reserve Bank of San Francisco.

OAKLAND, Calif.—City council declares intention to improve portions of Brann St. and 64th Ave., involving:

- (1) 2,038 cu. yds. excavation;
- (2) 1,344 lin. ft. concrete curb;
- (3) 2,871 sq. ft. concrete gutter;
- (4) 22,927 sq. ft. penetration macadam pavement;
- (5) 5,047 sq. ft. cement sidewalk;
- (6) 448 lin. ft. 18-in. plain concrete pipe conduit;
- (7) 67 lin. ft. 12-in. do;
- (8) 2 storm water inlets (Type A);
- (9) 1 storm water inlet (21-in. opening);
- (10) 1 manhole with inlet top (21-in. opening);
- (11) 1 12-in. lamphole.

1911 Act. City will pay $\frac{3}{4}$ of the total cost from the General Fund. Hearing July 14. W. W. Chappell, acting city clerk. Walter N. Frickstad, city engineer.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
976	Risden	Owner	4000
977	Petersen	Owner	3850
978	Franceschi	Owner	3000
979	Feerick	Owner	30000
980	Castle	Owner	7000
981	Real Estate	Wagner	10000
982	Millette	Owner	2938
983	Laguens	Larsen	7000
984	Benning	Koenig	3000
985	Meyer	Owner	5000
986	Schneidivird	Owner	4000
987	Brien	Aetna	4000
988	Podstata	Strehlow	10197
989	Moneghetti	Tuomisto	4000
990	Ray	Bienfield	6000
991	Berwick	Owner	7000
992	Westphal	Bobbio	3500
993	Meyer	Owner	12000
994	Holland	Callaghan	1925
995	Pacific	Hinson	4550
996	Kelly	Aetna	3000
997	Nybye	Coburn	1200
998	Meyer	Owner	4000
999	Stevenson	Owner	3800
1000	Liebman	Owner	3500
1002	Godin	Owner	3500
1003	Perraso	Owner	4000
1004	Duerner	Acme	4000
1005	Stoneson	Owner	3500
1006	Meyer	Owner	2000
1007	Stoneson	Owner	7000
1008	Erickson	Owner	4000
1009	Vigin	Owner	4000
1010	Cummings	Hallgren	4000
1011	Maloney	Owner	3500
1012	Sharman	Owner	7000
1013	McQuire	Maloney	3000
1014	Stoneson	Owner	4000
1015	Monaco	Soracco	8000

DWELLING
(976) N NORTH POINT 180 E Webster Sts.; one-story and basement frame dwelling.
Owner—Risdon Brothers, 735 Marina Blvd.
Plans by Owner. \$4000

DWELLING
(977) E 34th AVE. bet. Vicente and Wawona; one-story and basement frame dwelling.
Owner—E. Peterson, 2218 15th St.
Architect—Not Given. \$3850

DWELLINGS
(978) N JEFFERSON 30 W Webster; two 2-story and basement frame dwellings.
Owner—L. Franceschi, 1990 Beach St.
Architect—C. F. Strothoff, 2274 15th Street. each \$4000

APARTMENTS
(979) N CARRILLO 90 W 31st Ave.; three - story and basement frame (12) apartments.
Owner—Bryan Feerick, 891 39th Ave.
Architect—R. R. Irvine, 747 Call Bldg. \$30,000

DWELLINGS
(980) W 24th AVE. 100 N Santiago; two 1-story and basement frame dwellings.
Owner—Castle Bldg. Co., 830 Market Street.
Plans by A. Herenstein. each \$3500

OFFICES & WAREHOUSE
(981) NW COR. 17th and Missouri; 1-story class C offices and warehouses.

Owner—Real Estate Development Co.,
Hearst Bldg.
Plans by Owner.
Contractor—Geo. Wagner, 181 South Park. \$10,000

ALTERATIONS
(982) 30 SYCAMORE ST.; raise pats. for garage.
Owner—J. Millette, 30 Sycamore St.
Architect—Not Given. \$2998

DWELLINGS
(983) E FLORIDA 175 S 20th Street; two 1-story and basement frame dwellings.
Owner—Laguens & Larsen, 369 Ashton Avenue.
Plans by builder.
Contractor—S. Larsen, 365 Ashton Ave. each \$3500

REPAIRS
(984) 626 McALLISTER ST.; repair fire damage.
Owner—C. Benning, 26 Montgomery.
Architect—Not Given.
Contractor—C. J. M. Koemg & Son, 520 Church St. \$3000

APARTMENTS
(985) N GROVE 137 E Octavia; two-story and basement frame (four) apartments.
Owner—W. Meyer, 472 Grove St.
Architect—G. A. Berger, 309 Valencia Street. \$5000

DWELLING
(986) E WEBSTER 125 N North Pt.; one - story and basement frame dwelling.
Owner—W. Schneidivird, 3625 26th St.
Architect—Not Given. \$4000

DWELLING
(987) E 33rd AVE. 125 N Kirkham; one - story and basement frame dwelling.
Owner—W. S. Brien, 361 San Carlos.
Architect—Not Given.
Contractor—Aetna Const. Co. 166 Miramar. \$4000

RESIDENCE
(988) W VILLAMAR 200 N Sea Cliff Ave. Two-story and basement frame residence.
Owner—Dr. V. H. Pedstata, 450 Sutter St., San Francisco.
Architect — J. E. Dinwiddie, 2816 Prince St., Berkeley.
Contractor—Strehlow & La Voie, Neptune Beach, Alameda. \$10,197

DWELLING
(989) E MISSISSIPPI 443 N Twenty-second. One-story and basement frame dwelling.

Owner—Mr. and Mrs. M. Moneghetti, 626 Pennsylvania St., S. F.
Plans by W. E. Tuemisto, 3580 San Bruno Ave., San Francisco.
Contractor—W. E. Tuomisto. \$4000

STORES
(990) N WEST PORTAL 189 W Vicente. Two-story frame stores and offices.
Owner—W. S. Ray.
Architect—Plans by F. Nelson.
Contractor—D. L. Bienfield, 666 Mission St., San Francisco. \$6000

DWELLINGS
(991) 37W KEY 175 N Lane. Two 1-story and basement frame dwelling.
Owner—A. Berwick, 1525 Noe St., San Francisco.
Plans by Owner. \$3500 each

DWELLING
(992) N HOLLISTER 25 E Jennings; one - story and basement frame dwelling.
Owner—E. R. Westphal, 320 Woolsey.
Architect—Not Given.
Contractor—George Bobbio, 1294 Gilman Ave. \$3500

DWELLINGS
(993) S JUANITA 426 W Del Sur; three 1-story and basement frame dwellings.
Owner—Meyer Bros., 727 Portola Dr.
Plans by Owner. each \$4000

ALTERATIONS
(994) 2241 MISSION ST.; alterations to store.
Owner—P. Holland, 1542 Page St.
Architect—Not Given.
Contractor—J. Callaghan, 900 Clayton Street. \$1925

ALTERATIONS
(995) 700 YORK ST.; alterations to industrial building.
Owner—Pacific Felt Co., 700 York St.
Architect—Not Given.
Contractor—L. A. Hinson, 756 Fourth Avenue. \$4850

DWELLING
(996) W 30th AVE. 375 S Lawton; 1-story and basement frame dwelling.
Owner—R. P. Kelly, 1323 16th Ave.
Plans by Builder.
Contractor—Aetna Const. Co. 166 Miramar. \$3000

ALTERATIONS
(997) 608 HAIGHT ST.; alterations to flats.
Owner—J. O. Nybye, 2048 Market St.
Architect—Not Given.
Contractor—I. W. Coburn, 2048 Market Street. \$1200

DWELLINGS
(998) S JUANITA 311 E Lansdale; three 1-story and basement frame dwellings.
Owner—Meyer Bros., 727 Portola Dr.
Plans by Owner. \$4000

DWELLING
(999) N REVERE 225 E Newhall; one - story and basement frame dwelling.
Owner—L. H. Stevenson, 130 Merced.
Plans by Owner. \$3900

APARTMENTS
(1000) NE FILLMORE and No. Point Streets; three-story and basement frame (18) apartments.

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - California

Owner—H. Liebman, 1555 Francisco.
Architect—F. W. Quandt, 2890 Filbert
Street. \$35,000

DWELLING
(1001) E LANSDALE 75 S Juanita;
one-story and basement frame
dwelling.
Owner—Meyer Bros., 727 Portola Dr.
Plans by Owner. \$4000

DWELLING
(1002) S FLOED 150 E Forester; one-
story and basement frame dwell-
ing.
Owner—G. V. Godin, 586 Monterey
Blvd.
Plans by B. K. Dobkowitz, 425 Mont-
erey Blvd. \$3500

DWELLING
(1003) N ARLETA 300 W Rutland;
one-story and basement frame
dwelling.
Owner—J. Perasso, 811 Athens St.
Architect—Not Given. \$4000

DWELLING
(1004) W 26th AVE. 250 N Rivera;
one-story and basement frame
dwelling.
Owner—P. B. Duerner, 301 Evergreen
Avenue.
Plans by Contractor.
Contractor—Acme Const. Co., 301 Ev-
ergreen Ave. \$4000

DWELLING
(1005) W CAYUGA 73 N Navajo; 1-
story and basement frame dwell-
ing.
Owner—Stoneson Bros. & Thorinsson,
279 Yerba Buena Ave.
Architect—Not Given. \$3500

RADIO STATION
(1006) S 27th AVE. 100 E Burnham;
one-story frame radio station.
Owner—Meyer Bros., 727 Portola Dr.
Plans by Owner. \$2000

DWELLINGS
(1007) S ULLOA 90 E 33rd Avenue;
two 1-story and basement frame
dwellings.
Owner—Stoneson Bros. & Thorinsson,
279 Yerba Buena Ave.
Architect—Not Given. each \$3500

DWELLING
(1008) N HEARST 300 W Enda St.;
one-story and basement frame
dwelling.
Owner—H. Erickson, 872 Cheney St.
Architect—Not Given. \$4000

Correction In Location.
DWELLING
(1009) W 40th Ave. 225 S Judah; 1-
story and basement frame dwell-
ing.
Owner—E. Vigin, 280 Elder St.
Plans by D. E. Jaekle, Call Bldg.
\$4000

DWELLING
(1010) W 14th AVE. 160 S Taraval;
one-story and basement frame
dwelling.
Owner—A. Cummings, 2887 Golden
Gate Ave.
Plans by Mr. Hallgren.
Contractor—A. Hallgren, 1594 29th
Avenue. \$4000

DWELLING
(1011) E 14th AVE. 200 S Ulloa; one-
story and basement frame dwell-
ing.
Owner—J. & M. Maloney, 2274 27th
Avenue.
Plans by Owner.
Contractor—J. Maloney, 2274 27th Ave.
\$3500

DWELLINGS
(1012) S LOMBARD 81 W Broderick;
two 1-story and basement frame
dwellings.

Owner—T. R. Sharman, 1514 Irving St.
Plans by Owner. each \$3500

DWELLING
(1013) W 45th AVE. 175 S Lawton;
one-story and basement frame
dwelling.
Owner—J. F. McGuire, 1835 Church St.
Plans by Owner.
Contractor—J. Maloney, 2274 27th Ave.
\$3000

DWELLING
(1014) SW COR. CAYUGA and Sen-
eca; 1-story and basement frame
dwelling.
Owner—Stoneson Bros. & Thorinsson,
279 Yerba Buena Ave.
Architect—Not Given. \$4000

DWELLING
(1015) E BAKER 75 S Chestnut; two-
story and basement frame dwell-
ing.
Owner—Mr. and Mrs. A. Monaco, 3501
Fillmore St.
Plans by Mr. Soracco.
Contractor—F. A. Soracco, 127 30th
Street. \$8000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
140	War Memorial	Nelson	212552
141	Same	Anderson	140298
142	Cummings	Hallgren	5361

HEATING & VENTILATING
(140) BLOCKS bounded by Van Ness
Avenue, Franklin, McAllister and
Grove Sts.; all heating and ven-
tilating equipment for War Me-
morial.
Owner—The Board of Trustees of the
War Memorial of San Francisco.
Architect—A. Brown Jr. and G. A.
Lansburgh.
Contractor—James A. Nelson, Inc.,
10th and Howard Sts.

Filed July 3, '31. Dated June 17, '31.
On or before 10th of ea. month. 75%
Usual 35 days. TOTAL COST, \$215,552
Bond, \$106,276. Sureties, United States
Guarantee Co. Limit, 410, opera house;
380 Vet. Bldg. Plans and Spec. filed.

(141) PLUMBING on above.
Contractor—Anderson and Rowe, 45
Belcher St.
Filed July 3, '31. Dated June 18, '31.
On or before 10th of ea. month. 75%
Usual 35 days. TOTAL COST, \$149,298
Bond, \$70,149. Sureties, Pacific In-
demnity Co. Limit, 410 opera house;
380 Vet. Bldg. Plans and Spec. filed.

RESIDENCE & GARAGE
(142) W 14th AVE. 160 S Taraval St.
30x135; all work for 5-room resi-
dence and garage.
Owners—Arthur F. and Edythe M.
Cummings, 2887 Golden Gate Ave.
Architect—Not Given.
Contractor—A. Hallgren, 1594 29th
Avenue.
Filed July 7, '31. Dated July 2, '31.
On signing agreement. \$150
On completion and acceptance
by Veterans' Welfare Board.
TOTAL COST, \$5361.65
Limit, 90 days. Plans and Spec. filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
July 2, 1931—S PARADISE AVE, 81-
49, 106-53, 131-57 E Elk. Emil Pet-
erson to whom it may concern. July 2, 1931
July 2, 1931—E 23rd AVE 143 S Nor-

lega S 50 x E 120. L and A Cos-
tello to whom it may concern.

July 2, 1931—E 38th AVE 216-372 S
Anza S 96-344 x E 120. Michael
and Nellie Costello to whom it
may concern. July 1, 1931
July 1, 1931—E TWENTY-FOURTH
AVE 150 N Lawton N 75x E 120 O L
791. R F Galli to whom it may
concern. July 1, 1931
July 1, 1931—NE GEARY ST. AND
Twenty-first Ave E 65x N 100 O L
201. Northern California Baptist
Convention Inc to Joel Johnson &
Son. July 1, 1931

July 1, 1931—W TWENTY-SECOND
AVE 25 N Moraga N 25x W 82-6.
James S McDonough to whom it
may concern. June 28, 1931
July 1, 1931—E TWENTY-EIGHTH
AVE 75 S Ulloa 25x100 John E
McCarthy to whom it may con-
cern. June 28, 1931
July 3, 1931—SE MONTGOMERY &
Commercial Sts. Bank of Amer-
ica N T & S A to K E Parker Co
July 2, 1931
July 3, 1931—LOTS 2, 3, 6, 7, 10 Bk
2 Map College H D Assn. W E
Street as Street & Co to William
Spivock. June 29, 1931
July 3, 1931—E PENNSYLVANIA
50 N 20th N 50 x E 100 P N 318.
Realty Improvement Co, Ltd to
whom it may concern. July 2, 1931

July 3, 1931—N SACRAMENTO ST
150 W Polk W 30 x N 127-84.
George Brown Estate Co to D J
and T Sullivan. June 30, 1931

July 3, 1931—S MONTEREY BLVD
50 W Congo 25x100. J Balsells to
C Kay. July 3, 1931
July 3, 1931—S CLAY ST H W of Tay-
lor, 1227 Clay St. H M Spiegel to
E Rosemont. June 30, 1931
July 3, 1931—LOT 5 BLK 3042 map
Elks 3040, 3041, 3043 and pt Elks
3039, 3042, 3047 and 3077, Monterey
Heights. G W and J Stanley to
whom it may concern. July 2, 1931
July 3, 1931—E 41st AVE 50 and 75
N Irving N 25 x E 95. Charles
Smith to whom it may concern.

July 3, 1931—E 27th AVE 125 South
Kirkham S 75 x 120. Herman
Christensen to whom it may con-
cern. July 1, 1931
July 3, 1931—W 15th AVE 150 N
Rivera N 25 x W 120. Fred and
Mae Isaacson to whom it may
concern. July 1, 1931
July 7, 1931—W VALENCIA 150 N
Duboce Ave N 50 x W 165. High
Court of California, North Inde-
pendent Order of Foresters to F J
Relly. May 23, 1931

July 7, 1931—S KIRKHAM 229 and
202 E 16th Ave. Carl T and Nettie
P Wengard to whom it may con-
cern. July 6, 1931
July 7, 1931—LOT 12 desc'd: E Lake
64-43 S Camino Del Mar S 50-0%
E 116-10% N 50 W 118-24%. Lot 11
desc'd: E Lake 114-5 S Camino Del
Mar S 58-2% E 101-10% N 56 W
116-10%. Harry B Allen, Inc to
Henry Jacks and W K Irving. June 2, 1931

July 7, 1931—PARNASSUS AVE bet
Arguello Blvd and 3rd Ave. The
Regents of the University of Cal-
ifornia to J S Hannah. June 25, 1931
July 7, 1931—SE BEACH and Fill-
more S 50 x E 100. Viggo and
Christine Rasmussen to whom it
may concern. July 7, 1931
July 7, 1931—E 21st AVE 150 and 175
N Quintara N 25 x E 120. C and
F Gellert (two completions) to
whom it may concern. July 7, 1931
July 6, 1931—N ROMAIN ST. 100 E
Douglas. D Torre to J B Bourdieu
July 6, 1931
July 6, 1931—SE SILLIMAN 55 NE
Dartmouth, 25x100. M P and J T

Keely to whom it may concern

July 6, 1931—14861 AT CENTER OF
lighthouse on top of Fort Winfield
Scott on S side of Golden Gate N
5° 17' 33" W 1000 E 60° N 5° 17'
33" W 600 W 1400 S 5° 17' 33" E
300 100 boring test holes at site
of S. E. Pier Golden Gate Bridge
Golden Gate Bridge & Highway
District to Henly-Thibblits Const
Co

July 2, 1931—N 32nd AVE 300 South
Laxton S 25° W 120. F R Sala
to whom it may concern

July 3, 1931—NE BRODERICK and
Golden Gate Ave 30x120, Catherine
E Lynn to whom it may concern.

July 3, 1931

LIENS FILED

San Francisco County

Recorded	Amount
July 6, 1931—N VALLEJO 158-10 W Franklin W 80 W 137-10 E 80 S 137-6. Lacey & Schulz vs Wm Van Hetrick	\$21,000
July 2, 1931—E FORTY-FOURTH Ave 175 S Judah St S 25x E 120. J S Guerin & Co vs R Simon and E and M Sehlke	\$47.31

July 1, 1931—N WALLER ST 100 W
Broderick N 72-5 W 70-45g m or l
to El Buena Vista Ave East S 24
deg 31 min E 75-0-5 E 50-72g.
Henry Cowell Lime & Cement Co
vs Suncal Inv Corp, V Fassio as
Mission Concrete Co

July 1, 1931—N VALLEJO 158-10 W
Franklin W 80 x N 137-6. A D
Calderwood, \$80; Charles Terra-
nova, \$3,325.50, vs William H Van
Hetrick

July 3, 1931—265 CHESTNUT ST.
Industrial Ornamental Iron, Bronze
& Wire Works vs A G and M
Grasso and V Philipps

July 3, 1931—S CHESTNUT 137-6
W Kearny W 137-6 x S 137-6. T
S Guerin & Co vs A G and R Gros-
so and V Philipps

July 3, 1931—N VALLEJO 158-10 W
Franklin W 80 x N 137-6. 1750 Val-
lejo St. Clervy Marble Co \$680;
Regal Floor Co, Ltd, \$1067.24; Gee
Hardware Co, \$554.96, vs Wm and
H Van Hetrick

July 3, 1931—S CABRILLO 132-6 W
19th Ave W 25 x S 100. Lee Amos
vs A W and I Spinette

July 7, 1931—617-27-29 Wisconsin St
on E Wisconsin bet 20th and 21st.
James Wells vs Ash & Hand, Isa-
bel Rodriguez

RELEASE OF LIENS

San Francisco County

Recorded	Amount
July 2, 1931—NW TWENTY-SEC- ond and Bartlett th alg N 22nd 125 N 60-84 m or l NE 125-2 m or l S 68-114. Aristo Painting Co to Wm H Woodfield Jr; E L Wood- field and S and E Weinstein	
July 2, 1931—E 21st AVE 150 N Bal- boa N 25 x E 120. The Turner Co to Sam and Dora Blaustein	
July 6, 1931—E WISCONSIN 297-4 S 20th St S 25-8 x E 100. Geo R Nelson; Arc Electric Co; Central Hardware & Glass Co to I Rodri- gues	
July 6, 1931—E 172-4 S 20th St S 25x 100 and E Wisconsin 272 S Wiscon- sin N 50xW 100. Roy Welch to Draper Hand and B Rodriguez	
July 6, 1931—E WISCONSIN 172-4 S 20th St 25x100. and E Wisconsin 272 S Wisconsin N 50xW 100. K Haglund to Draper Hand and B Rodriguez	

BUILDING PERMITS

Alameda County

No	Owner	Contractor	Amt.
773	Waldman	Owner	4000
774	Waldman	Owner	4000
775	King	Owner	2900
776	Hampton	Owner	6000
777	Nicora	Baker	2932
778	French	Owner	3000
779	Williamson	Owner	1000
780	Oakland	Stolte	23000
781	Mauvais	Steindlen	20000
782	Standard	Lindgren	3000
783	Pizzotte	Anderson	2000
784	Geary	Owner	3500
785	Cooley	Owner	1500
786	Oppenheimer	Jensen	1000
787	Merritt	Rose	1500
788	McConnell	Armstrong	6000
789	Stenbro	Owner	2750
790	Hedberg	Owner	5500
791	Linton	Waldman	3000
792	Redmont	Short	4000
793	Union	Owner	4000
794	Hamburger	Muller	15000
795	Norheim	Owner	8000
796	Hubbard	Owner	3000
797	Jones	Owner	4650
798	Oakland	Stolte	1650
799	Johanson	Owner	10850

DWELLING

(773) N NEVIL ST. 325 E 38th Ave.,
OAKLAND; 1-story 5-room dwell-
ing.
Owner and Builder—A. E. Waldman,
386 15th St., Oakland.
Architect—Not Given. \$4000

DWELLING

(774) S NEVIL ST. 325 E 38th Ave.,
OAKLAND; 1-story 5-room dwell-
ing.
Owner and Builder—A. E. Waldman,
386 15th St., Oakland.
Architect—Not Given. \$4000

CHURCH

(775) S SEVENTH ST., 50 W Willow
St., OAKLAND; one-story church.
Owner and Builder—Judge King, 1109
34th St., Oakland.
Architect—Not Given. \$2900

RESIDENCE

(776) NO. 308 WILDWOOD AVE.,
PIEDMONT. Two-story five-room
residence.
Owner—Chris Hampton.
Architect—F. H. Slocombe, 62 York
Drive, Piedmont.
Contractor—Chris Hampton, 750 Mc-
Kinley St., Oakland. \$6000

ALTERATIONS

(777) NO. 165 LAKE AVE., PIED-
MONT. Alterations.
Owner—J. Nicora.
Architect—Not Given.
Contractor—Ralph J. Baker, 5509 Foot
hill Blvd., Oakland. \$2932

RESIDENCE

(778) NO. 385 VERMONT AVE.,
BERKELEY. One-story 5-room
1-family frame residence and ga-
rage.
Owner—O. M. French, 1738 Francisco
St., Berkeley.
Architect—L. H. Cox, 2723 Prince St.,
Berkeley. \$3000

ALTERATIONS

(779) NO. 2076 UNIVERSITY AVE.,
BERKELEY. Alterations.
Owner—L. Williamson, 2816 Oak Knoll
Berkeley.
Architect—Not Given. \$1000

LAUNDRY

(780) N TWENTY-NINTH ST. 150 W
Grove St., OAKLAND. Two-story
10-room brick laundry.
Owner—Oakland Laundry Co., 726
Grove St., Oakland.

Architect—Miller & Warnecke, Fi-
nancial Center Bldg., Oakland.
Contractor—F. C. Stolte, 3449 La-
guna Ave., Oakland. \$3300

DWELLING

(781) E MARGARIDO DRIVE 780 N
Broadway Terrace, OAKLAND. Two-
story 10-room dwelling and
one-story garage.
Owner—Roy Mauvais.
Architect—Not Given.
Contractor—Sam Steindel, 38 North-
ampton Ave., Berkeley. \$20,000

SHOP

(782) NE TWENTY-SIXTH AND D
Broadway, OAKLAND. One-story
brick and tile shop and service
building.
Owner—Standard Oil Co., 1916 Broad-
way, Oakland.
Architect—Not Given.
Contractor—Lindgren and Swinerton,
625 Standard Oil Bldg., San Fran-
cisco. \$3000

ALTERATIONS

(783) NO. 3311 ADELINE ST., BER-
KELEY. Alterations.
Owner—Pizzotte & Pohlman.
Architect—Not Given.
Contractor—J. Anderson, 874 34th St.,
Oakland. \$2000

RESIDENCE

(784) NO. 3043 HALCYON COURT,
BERKELEY. One-story 5-room
1-family frame residence and ga-
rage.
Owner—J. J. Geary, 1221 Grand Ave.,
Oakland.
Architect—Not Given. \$3500

ALTERATIONS

(785) NO. 1836 CLINTON AVE., ALA-
MEDA. Alterations.
Owner—Mrs. A. Cooley, 1836 Clinton
Ave., Alameda.
Architect—Not Given. \$1500

TEA HOUSE

(786) NO. 700 GRAND ST., ALAMEDA
Frame tea house.
Owner—Mrs. A. C. Oppenheimer, 700
Grand St., Alameda.
Architect—Kent & Hass, Underwood
Bldg., San Francisco.
Contractor—Jensen & Pederson, 3443
Adeline St., Oakland. \$1000

REPAIRS

(787) NO. 687-689 POIRIER ST., OAK-
LAND. Fire repairs.
Owner—G. L. Merritt, 689 Poirier St.,
Oakland.
Architect—Not Given.
Contractor—A. H. Rose, 478 25th St.,
Oakland. \$1500

RESIDENCE

(788) NO. 769 EUCLID AVE., BER-
KELEY. Two-story 7-room frame
residence and garage.
Owner—D. D. McConnell, 912 Ensen-
ada St., Berkeley.
Architect—A. C. Lewis.
Contractor—O. C. Armstrong, 941 Ord-
way, Berkeley. \$6000

DWELLING

(789) N MAJESTIC AVE 122 E 62nd
Ave., OAKLAND. One-story five-
room dwelling and one-story ga-
rage.
Owner—A. Stenbro, 4340 La Cresta
Ave., Oakland.
Architect—Not Given. \$2750

FLATS

(790) NE THIRTEENTH AVE AND
E-22nd St., OAKLAND. Two-
story 10-room flats.
Owner—B. Hedberg, 2210 13th Ave.,
Oakland.
Architect—Not Given. \$5500

DWELLING

(791) E POTTER ST. 125 S Gordon
St., OAKLAND. One-story five-
room dwelling.

Owner—Geo. Linton, 4630 E-14th St., Oakland.
 Architect—Not Given.
 Contractor—A. E. Waldman, 386 15th St., Oakland. \$3000

DWELLING

(792) W CARBERRY ST. 150 N Alcen St., OAKLAND. One-story 5-room dwelling.
 Owner—L. A. Redmont.
 Architect—Not Given.
 Contractor—C. W. Short, 574 Rosal Ave., Oakland. \$4000

STATION

(793) SW GRAND AVE & BELLEVUE, OAKLAND. One-story brick service station.
 Owner—Union Oil Co. of Calif., Ray Bldg., Oakland.
 Architect—Not Given. \$4000

STORE

(794) W BROADWAY 100 North 20th St., OAKLAND. Two-story 2-room concrete store.
 Owner—Hamburger & Kern, % Reed & Corlett.
 Architect—Reed & Corlett, Oakland Bank Bldg., Oakland.
 Contractor—F. A. Muller, 805 Syndicate Bldg., Oakland. \$18,000

RESIDENCE

(795) NO. 821 SAN DIEGO AVE., BERKELEY. Two-story 7-room frame and stucco residence.
 Owner—Ray H. Norheim, 1207 Benito St., Berkeley.
 Architect—Not Given.
 Contractor—Ray H. Norheim, 1207 Benito Ave., Berkeley. \$8000

DWELLING

(796) 1044 SANTA FE Avenue, ALBANY; 5-room dwelling and garage.
 Owner and Builder—J. F. Hubbard, 2632 Haste St., Berkeley.
 Architect—Not Given. \$3000

DWELLING

(797) S REDDING ST. 200 E 35th Ave., OAKLAND; one-story six-room dwelling and one-story garage and shop.
 Owner and Builder—Ida Irene Jones, 3050 Hopkins St., Oakland.
 Architect—Not Given. \$4650

ADDITION

(798) 720 29th St., OAKLAND; addition.
 Owner—Oakland Laundry Co., 720 29th St., Oakland.
 Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
 Contractor—F. C. Stoitte, 3449 Laguna Ave., Oakland. \$1650

DWELLINGS

(799) 7516-22-28 OUTLOOK Avenue, OAKLAND; three 1-story 5-room dwellings.
 Owner and Builder—K. A. Johanson, 2832 76th Ave., Oakland.
 Architect—Not Given. each \$3950

Avenue Terrace, Oakland. G C and F E Warn to whom it may concern. July 6, 1931
 July 7, 1931—NO. 5624 GLENBROOK Drive, Oakland. C H Thrams to C H Thrams. July 2, 1931
 July 6, 1931—LOT 227 BLK N, Farnside, Alameda. Clayton M and Nellie M Hardin to whom it may concern. July 3, 1931
 July 6, 1931—LOT 37 BLK 11, North Cragmont, Berkeley. O M French to whom it may concern. July 3, 1931

July 3, 1931—FTN LOT 14, Cogshall Tract, Emeryville. Andrea Moglia to John Cisero. July 1, 1931
 July 3, 1931—LOT 197, Unit No 2 Avenue Terrace Tract, Oakland. O W Johnson to whom it may concern. July 2, 1931
 July 3, 1931—LOT 15 BLK 4, Hotel Claremont Tract, Berkeley. Myron D Taylor to Jensen & Pedersen. July 2, 1931
 July 3, 1931—E TUNNEL RD, Berkeley. J C Rohlfis and Wallace M Alexander (trustees) to J P Michelsen. June 27, 1931
 July 3, 1931—LOT 34, map of Hayward Manor, Hayward. Norton F and Frances M Owen to C M Russell. June 29, 1931

July 1, 1931—LOT 12, Boardman Park, San Leandro. John W and Elizabeth J Smith to J H Pickrell. June 29, 1931
 July 2, 1931—NO. 709 CARMEL AVE, Albany. Joe Vila to whom it may concern. July 1, 1931

July 2, 1931—NO. 5039 PROCTOR Ave, Oakland. Roy A Christiansen to W A Netherby. June 23, 1931
 July 1, 1931—PTN LOT 6 BLK F, Glenwood, Oakland. C W and Mary Belle Leekins to whom it may concern. June 26, 1931

June 30, 1931—LOTS 12 AND 13 & Ptn Lot 14 Blk L, Iveywood, Oakland. Charles W and Ada J Griffith to whom it may concern. June 27, 1931

June 30, 1931—LOT 23 BLK 4, Thousand Oaks Heights, Berkeley. Thomas Wheldon & Nutt, Inc to whom it may concern. June 29, 1931

LIENS FILED

Alameda County

Recorded	Amount
June 30, 1931—LOT 39 BLK A, Clairmont Pines, Oakland. Rigney Tile Co. \$700; M C Henry, \$248.70 vs J M and A K Olson.	
June 30, 1931—9001 ACRES IN Eton Township. Garrett Mill & Lumber Co vs E Coker.	\$96.93
June 29, 1931—CTN PPTY of Eaton Township map. General Mill and Lumber vs Mr and Mrs C Steiner and C Coker.	\$1,251.77

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded	Amount
July 2, 1931—NW SANTA CLARA and Grand Aves, Oakland. W P Fuller & Co to Wm Greuner.	\$1841.02
July 1, 1931—NO. 539 THIRTY-	

eight St, Oakland. Henry Cowell Lime & Cement Co to J Hoffman and Mabel L. Graham. \$20.00

OAKLAND BUILDING SUMMARY

A. S. Holmes, city building inspector of Oakland, reports the issuance of 257 building permits for the month of June, 1931, for improvements involving an expenditure of \$643,936. The following is a segregated report of the June activities:

Classification of	Buildings	No permits	Cost
1-story dwelling.....	51		\$168,250
1-st 2-fam. dwellings.....	1		2,500
1½-story dwellings.....	4		17,450
2-story dwellings.....	11		83,450
1-story factory.....	1		2,000
2-st Sunday school.....	1		15,000
1-st tile garage.....	1		400
1-st brick store.....	1		6,000
1-st brick creamery.....	1		9,000
1-st brick warehouse.....	1		28,719
1-st brick ser. station.....	1		1,250
Brick addition.....	1		300
1-st steel ser. station.....	1		1,200
2-st con. warehouse.....	1		223,913
Concrete addition.....	1		11,000
Concrete foundation.....	1		2,000
Hillboards.....	3		75
Electric signs.....	29		8,483
Roof signs.....	2		2,025
1-st garages & sheds.....	43		6,881
Additions.....	43		16,777
Alterations & repairs.....	58		37,180
TOTAL.....	257		\$643,936

JUNE BUILDING PERMITS AT SAN ANSELMO

The following building permits were granted in the city of San Anselmo, Marin County, during the month of June, 1931:

R. P. Fox. Dwelling. Traxler Ranch Butterfield Road. Est. cost, \$1500.
 G. Stoner. Addition. Portion Lot 90 Bush Tract, Elm Ave. Est. cost, \$100.

N. P. Evanow. Dwelling. Lot 12, block 4 Hawthorne Hills, Rutherford Ave. Est. cost \$4000.

Mrs. Lavaroni. Dwelling. Portion lot 83 Bush Tract. Est. cost \$3000.

Ed Jory. Dwelling. Lot 7, block 3 Hawthorne Hills, Rutherford Avenue. Est. cost \$3000.

Chas. Coon. Repairs. Tamal Park. Est. cost \$95.

A. R. Roumiguere. Dwelling and garage. Lot 1, block 3 Sub. 1 Morningside Court, on Morningside Drive. Est. cost \$3500.

F. J. Donohue. Dwelling and garage. Woodland Ave. Est. cost \$2500.

F. Russell. Addition to dwelling. Floribel Ave. Est. cost, \$1000.

C. Hughes. Dwelling. Lot 144 Bush Tract. Upper Scenic Ave. Est. cost, \$4000.

BUILDING CONTRACTS

SAN MATEO COUNTY

GYMNASIUM
 LOCATION NOT GIVEN. All work for additional plastering for gymnasium.

COMPLETION NOTICES

Alameda County

Recorded	Accepted
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July 6, 1931—NO. 900 MANDANA Blvd., Oakland. W B Morris to whom it may concern. July 6, 1931	
July 7, 1931—NO. 5223 PROCTOR Ave., Oakland. W A Netherby to whom it may concern. July 6, 1931	
July 7, 1931—NO. 3524 VICTOR AVE Oakland. John Fleming to whom it may concern. July 2, 1931	
July 7, 1931—PTN LOT 3 BLK 4, Amended map of Ptn of La Loma Park and Wheeler Tract, Berkeley Gladys Reynolds to James B Petersen. June 2, 1931	
July 7, 1931—LOT 132 Unit No. 2,	

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
 490 GEARY STREET

Phone FRanklin 9400

San Francisco

Owner—San Mateo Union High School District.
Architect—E. L. Norberg, 580 Market St., San Francisco.
Contractor—E. J. Cooley, 702 S. Humboldt St., San Mateo.
Filed July 2, '31. Dated June 26, '31.
Progressive payments.....75%
Usual 35 days.....25%

TOTAL COST, \$415
Bonds, (2) \$210 each. Surety, Glen Falls of New York. Limit, 30 working days. Forfeit, \$3. Plans and specifications, none.

BUILDING PERMITS

SAN MATEO

RESIDENCE, \$5000; LOT 11 BLK 7; No. 575 24th Ave., San Mateo; owner, L. S. Schenck; contractor, Frank Terrea, 712 5th St., San Mateo.
RESIDENCE, \$5000; LOT 18 BLK 54; No. 116 S. Humboldt St., San Mateo; owner, Hake Lomura; contractor, Lengfeld & Olund, 145 El Camino, San Mateo.
RESIDENCE, \$1500; Resub. Lot 15 Blk 7; No. 429 24th Ave., San Mateo; owner, O. J. Romono.
DWELLING, \$6000; Lots 10 and 11 Blk 22, Humboldt Street, San Mateo; owner and contractor, C. Maichesen, 1119 3rd St., San Mateo.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
June 30, 1931—LOT 30 BLK 1, South B St. Tract, San Mateo. John Paucharian to whom it may concern.....	June 26, 1931
June 30, 1931—PART LOT 5-A, Bowie Estate No. 1, San Mateo. Allan McIntyre to whom it may concern.....	June 27, 1931
June 30, 1931—LOTS 9 AND 53 BLK 2, Jefferson Park, San Mateo. Castle Bldg Co to Henry Horn.....	June 24, 1931
June 30, 1931—LOT 39, Charles Weeks Poultry Colony. Mary Albertsen et al to H H MacDonald.....	June 30, 1931
July 1, 1931—LOTS 13 AND 14 BLK 5, Central Park, San Mateo. Eric Standquist to whom it may concern.....	July 1, 1931
July 1, 1931—LOT 6 BLK 5, Lyon & Hoag Subd., San Carlos. W M Pappette to whom it may concern.....	June 29, 1931
July 1, 1931—LOT 10 BLK 27, Edwards Subd., San Mateo. C E La Plant to C E La Plant.....	June 30, 1931
July 2, 1931—PART LOT 87, Wellesley Park, San Mateo. Hector L Monsette to Russell & Duncan.....	July 1, 1931
July 2, 1931—LOT 10 BLK 7, Burlingame Land Co. Jean Peprade et al to Bert Norberg.....	July 1, 1931
July 2, 1931—LOT 10 BLK 4, North Palo Alto. John I Cleese to John I Cleese.....	June 29, 1931

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
July 2, 1931—LOT 7 BLK 20, East San Mateo. Lawrence N Zant vs Morris P Lukens et al.....	\$70

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded	Amount
June 30, 1931—LOT 12 and Part Lot 13 Blk 8, San Bruno. B J Smith to whom it may concern.....	

June 30, 1931 — LOCATION NOT Given. San Carlos Feed & Fuel Co to S E Manning et al.....

BUILDING PERMITS

SAN JOSE

RESIDENCE, frame, 5-room, \$6000; Shasta St. near Park, San Jose; owner and contractor, Clyde Alexander, 329 S-17th St., San Jose.
RESIDENCE, frame, 6-room \$6000; Elm St. near Polhemus, San Jose; owner, Bernie Hardcastle, 718 Elm St., San Jose; contractor, P. D. McCormac, 430 N-Fifth St., San Jose.
RESIDENCE, frame, five-room, \$6000; Riverside near Bird, San Jose; owner, F. O. Nelson, 173 S-First St., San Jose; contractor, F. C. Nelson, 173 S-First St., San Jose.
RESIDENCE, frame, 2-story 7-room, \$9260; Emory St. nr. The Alameda, San Jose; owner, L. Chabre, 328 W-San Fernando St., San Jose; architect, C. S. McKenzie, Twohy Bldg., San Jose; contractor, Wm. Coldwell, 1241 Hedding St., San Jose.
FIRE wall in warehouse, \$1370; Ryland St. and S. P. R. R., San Jose lessee, Warren Dried Fruit Co. Premises; contractor, J. T. Baker, 1795 Lexington St., Santa Clara.
RESIDENCE, frame, duplex, 4 rooms each, \$6500; Reed St. near Eighth St., San Jose; owner, Mrs. W. Ruddick, 311 E-Reed St., San Jose contractor, B. H. Painter, Gordon Ave., R. F. D., San Jose.

BUILDING PERMITS

PALO ALTO

REPAIR fire damage, \$5000; No. 1310 Bryant St., Palo Alto; owner, Castelleja School, Premises; contractor, Geo. Lanthier.

BUILDING CONTRACTS

SANTA CLARA COUNTY

RESIDENCE
NO. 684 FOOTHILL ROAD, Stanford University. All work for two-story residence.
Owner—George B. Culver, Stanford University.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.
Contractor—Wells P. Goodenough, 310 University Ave., Palo Alto.
Filed June 27, '31. Dated June 26, '31
AS work progresses.....75%
Usual 35 days.....25%
TOTAL COST, \$10,114
Bond, \$5500. Sureties, C. B. Spangler and John F. Dahl. Limit, 85 working days June 29, 1931. Forfeit, none. Plans and specifications filed.

RESIDENCE
S EMORY ST. near The Alameda, San Jose. All work for two-story and basement frame residence and garage.

Owner—Louis and Aimee Chabre, 328 Santerrad St., San Jose.
Architect—Chas. S. McKenzie, Twohy Bldg., San Jose.
Contractor—W. M. Caldwell, 1241 Hedding St., San Jose.

Filed June 27, '31. Dated June 24, '31.
Residence frame up.....\$2415
1st coat plaster on.....2415
Residence & garage completed. 2415
Usual 35 days.....215
TOTAL COST, \$9660

Bond, \$— Surety, Independence Indemnity Co. Limit, forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
June 22, 1931—LOTS 13 AND 14, Nelson Manor Tract, Mt. View. Geo F Beardslee et ux to The Minton Co.....
June 19, 1931
June 22, 1931—PTN LOT 30 W. S. Clayton; J. R. Chace; E. Shillingsburg and J. P. Dorrance Subd., San Jose. Madeline C Bradford to whom it may concern.....
June 15, 1931
June 22, 1931—NW ALTA and Locust Sts, San Jose. Henry Guilbert to W M Caldwell.....
June 17, 1931
June 23, 1931—SE MATADERO AVE 490 SW of Original San Francisco-San Jose Road. John Whittell to whom it may concern.....
June 20, 1931
June 24, 1931—LOT 1, Hillcrest Resubd., San Jose. David L Schrader to whom it may concern.....
June 23, 1931
June 24, 1931—SW BACHMAN AVE and NW Belmont Ave., San Jose. Carl Hilding Hernstedt et al.....
June 22, 1931
June 24, 1931—1.737 AC PT, LOT 63, Subd "A" of Santa Rita Rancho No. 2. Frieda Zipse to whom it may concern.....
June 23, 1931
June 24, 1931—LOT 12, Willow Home Subd., Ira Brotzman to whom it may concern.....
June 24, 1931
June 25, 1931—W MINNESOTA AVE 67 from int of W line Minnesota Ave and SE land Collins, 55x110 ft., San Jose. Ira Brotzman to whom it may concern.....
June 24, 1931
June 25, 1931—N PARK AVE 240 E Race St., San Jose. Emelio Gagliardo et al to whom it may concern.....
June 22, 1931
June 26, 1931—NW GRANT ST. 185 SW Locust St., San Jose. Nina Carnova to whom it may concern.....
June 25, 1931
June 29, 1931—LOT 13 BLK 1, Lincoln Gates Subd in Narvaez Rancho Clyde Alexander to whom it may concern.....
June 27, 1931
June 29, 1931—LOT 12 BLK 117 and Ptn Lot 11 Blk 117, Crescent Park, Palo Alto. Alan H and Chertlerian Robertson to Harry H Dabinett.....
June 5, 1931
June 29, 1931—PTN LOT 3 BLK 21, Chapman and Davis Tract, San Jose. C W Whiteside to whom it may concern.....
June 27, 1931
June 30, 1931—LOT 7, Alta Alameda Acres. T E Hanley to whom it may concern.....
June 25, 1931
June 30, 1931—LOT 55, Barron Park, San Jose. C B Van Epps to whom it may concern.....
June 30, 1931
June 30, 1931—LOTS 1 AND 2 BLK 7, College Terrace. George and Wilhelmina Lanthier and James F Harvey to whom it may concern.....
June 24, 1931
June 30, 1931—LOTS 6 AND 7 BLK 19, Vendome Park No. 2, San Jose. Joseph A and Ruth Mamalo to whom it may concern.....
June 29, 1931
July 1, 1931—LOT 4 BLK 5, Country Club Heights. J H Bland et al to whom it may concern.....
June 27, 1931
July 1, 1931—PART LOT 70, Studio Heights. Margherita Bruno to whom it may concern.....
June 30, 1931
July 1, 1931—NW WASHINGTON AVE 50 ft. NE Emerson NE 50x 100 ft. Part Lot 23 Blk 51, Seale Addition 2, Palo Alto. James Burk to whom it may concern.....
June 24, 1931
July 2, 1931—PTN. LOTS 13 AND 14 Blk 4, Mt. Hamilton View Park. Homer W Sampson et al to whom it may concern.....
July 2, 1931
July 2, 1931—LOT 12 BLK 7, North Glen Residence Park, San Jose. Ormal W Dodd et ux to whom it may concern.....
June 27, 1931
July 2, 1931—LOT 5 BLK 4, Southgate, Palo Alto. Wilson J Causey

to whom it may concern
June 28, 1931

LIENS FILED**SANTA CLARA COUNTY**

Recorded	Amount
July 2, 1931—LOT 4 BLK C, Easter Gables No. 1. Dave Staples vs Horace Anderson	\$175
July 2, 1931—LOT 18 BLK A, Easter Gables No. 1. Dave Staples vs Robert Tait	\$146.50
July 2, 1931—LOT 17 BLK A, Easter Gables No. 1. Dave Staples vs Mary Frazier	\$175

LIENS FILED**SANTA CLARA COUNTY**

Recorded	Amount
June 23, 1931—LOTS 6 & 7, Luther Subd., San Jose. Manuel Adrian vs Paul Benevento et al	\$844
June 25, 1931—LOT 17 BLK 4, Los Altos Park. Tilden Lumber & Mill Co vs E K Ellsworth et al	\$360.05
June 25, 1931—LOT 17 BLK 4, Los Altos Park. Sunset Lumber & Mill Co vs E K Ellsworth et al	\$166.26
June 29, 1931—LOT 22 BLK 6 Seale Addition No. 2, Palo Alto. McElroy-Cheim Lumber Co, \$108.76; D & S Lumber Co., Inc, \$690.88 vs F P Gover (Materials furnished)....	
June 30, 1931—LOT 22 BLK 6, Seale Addition No. 2, Palo Alto. Steve Anderson & Son vs F P Gover.....	\$167.05

RELEASE OF LIENS**SANTA CLARA COUNTY**

Recorded	Amount
June 22, 1931—LOT 26, Rosedale of Montgomery & Rea Tract, San Jose. George O Thomas to Edward J Faltersack	\$75

MINOR JOBS**Piedmont**

ALTERATIONS, \$275; No. 27 King Ave., Piedmont; owner, Herman Nichols; contractor, A. H. Rose, 478 25th St., Oakland.
RE-ROOFING, \$384; No. 24 Blair Ave., Piedmont; owner, J. B. Hirst; contractor, Sun Roofing Co., 1420 38th St., Oakland.
ALTERATIONS, \$250; No. 111 Oakmont, Piedmont; owner, Mrs. J. Hale; contractor, Leo Dolan, 722 Cleveland St., Oakland.
ALTER GARAGE, \$100; No. 154 Ronada Ave., Piedmont; owner, Mrs. Mabel E. Hale; contractor, — Hale, 154 Ronada Ave., Piedmont.
GARAGE, \$200; No. 225 Linda Ave., Piedmont; owner, E. Adams; contractor, Moon & Overton, 446 38th St., Oakland.
RE-ROOFING, \$57; No. 31 Blair Ave., Piedmont; owner, Marshall Robinson; contractor, Sun Roofing Co., 1420 38th St., Oakland.
ALTERATIONS, \$450; No. 38 Bonita Ave., Piedmont; owner, and contractor, W. D. Brian, 38 Bonita Ave., Piedmont.

BUILDING CONTRACTS**MARIN COUNTY**

RESIDENCE KENTFIELD. All work for excavating, brick work, tiling, carpenter work, etc. for one-story frame residence.
Owner—Ernest E. Bower, San Francisco.

Architect—Walter C. Falch, Hearst Bldg., San Francisco.
Contractor—Melvin Klyce, 25 Eugene St., Mill Valley.
Filed July 1, '31. Dated July 1, '31.
Frame up \$1012.50
Brown coated 1012.50
When completed 1012.50
Usual 35 days 1012.50
TOTAL COST, \$4050.00
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

BUILDING

MILL VALLEY. Excavating, concrete work, brick work, tiling, carpenter work, mill work, etc., for building.

Owner—Matildo Clark, Mill Valley.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.

Contractor—John E. Kinnard and A. W. Pictodines.

Filed June 30, '31. Dated June 29, '31.
Frame up \$1027.50
Brown coated 1028.00
When completed 1028.00
Usual 35 days 1028.00
TOTAL COST, \$4111.50
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES**MARIN COUNTY**

Recorded	Accepted
July 3, 1931—SAN ANSELMO. Everett W Ruhl to whom it may concern.....	July 1, 1931
July 3, 1931—KENTFIELD. Marin Union Junior College District to Young & Horstmeier.....	July 3, 1931
July 6, 1931—LOT 17 map Agatha Court, San Anselmo. Carrie E Skaggs to Wm S Kepple.....	July 3, 1931
July 29, 1931—SAN RAFAEL. Marin Estates, Ltd to whom it may concern.....	June 27, 1931
June 29, 1931—SAN ANSELMO. Albert N Bennett to Domenic Ferrero	June 27, 1931

LIENS FILED**MARIN COUNTY**

Recorded	Amount
July 6, 1931—SAN ANSELMO Short Ranch. General Mill & Lumber Co vs Gabriel Tjensvold.....	\$67.04
July 1, 1931—FAIRFAX TRACT. Hess Electric Co vs A R Avenow	\$24.50

RELEASE OF LIENS**MARIN COUNTY**

Recorded	Amount
July 2, 1931—SAN ANSELMO BUSH Tract. Angelo Barbera to Italo Lanci and J Farnocchia.....	\$262.53

COMPLETION NOTICES**CONTRA COSTA COUNTY**

Recorded	Accepted
June 30, 1931—LOTS 7 AND 8 BLK 16, Map of Richmond City Center. Albert Waring to whom it may concern.....	June 26, 1931
July 1, 1931—LOT 2 BLK 12 West Side Addition No. 3, City of Pittsburg. Tony and Rose Bonanno to A H Davi.....	June 22, 1931

COMPLETION NOTICES**SAN JOAQUIN COUNTY**

Recorded	Accepted
July 2, 1931—LOT 10 BLK 1, Lakeview. Arthur Alven and H Elita Chisholm to whom it may concern	July 30, 1931

July 3, 1931 LOT 6 BLK 7, Subdivision No. 1, Tuxedo Park. Raymond and Ruth Evelyn to those to whom it may concern.....

July 3, 1931—EAST 50 ft lots 9 and 10 and N 10 ft of the E 50 ft of lot 11, all in blk 6, Hutchins High School Addition to Lodi, reserving the S 1/2 ft of the N 10 ft of said E 50 ft of lot 11 blk 6. Mr and Mrs J O McKee to Henry Frey, Jr.....

July 1, 1931 — VICTORY PARK. Stockton, San Joaquin Pioneer & Historical Society to W J Scott.....

June 27, 1931
July 6, 1931—LOT 6 BLK 5, Lomita Park. Wm E Grimsley and wife to J M Helterbrand.....June 20, 1931

LIENS FILED**SAN JOAQUIN COUNTY**

Recorded	Amount
July 2, 1931—PORTION LOT 45, Lodi Barnhart Tract. Hans Hansen vs R B Weitz and wife.....	\$70
July 2, 1931—PTN LOT 45, Lodi Barnhart Tract. Robert L Martin vs R B Weitz and wife.....	\$104
July 2, 1931—LOT 4 BLK 26, Supplement to Survey 2999, Stockton. Carl F Steger vs William Feenstra and wife	\$185
July 3, 1931—LOTS 2, 4 AND 6 BLK 30, S-Norman Channel. The Diamond Match Co vs A Maffei and wife	\$386.60
June 30, 1931—LOT 45 Lodi Barnhart Tract, Stockton. Mortague Pipe & Steel Co vs R B Britz and Wife	\$50.65

COMPLETION NOTICES**SONOMA COUNTY**

Recorded	Accepted
June 26, 1931—LOT 10, Corby Estate near Hearn School near Santa Rosa. R F Unzelman to J H Mathisen and W L Jenkins.....	June 17, 1931
June 30, 1931—PART LOTS 16, 17 and 18 Blk 2, Proctor Terrace Addition, Santa Rosa. J H Hunter to Mutual Home Builders Assn.....	June 20, 1931
June 30, 1931—LOT 3 BLK 5, Proctor Terrace, Santa Rosa. A C Crosby to Mutual Home Builders Assn.....	June 26, 1931
July 3, 1931—LOTS 53-C AND 54-B Original City of Healdsburg. Quinn G Sewell to E A Anloff.....	June 27, 1931

LIENS FILED**SONOMA COUNTY**

Recorded	Amount
July 2, 1931—ON FITCH MOUNTAIN Road near Healdsburg (61.5x 150 feet). Healdsburg Lumber Co vs Chris Jensen and Julius Lion et al	\$47

RELEASE OF LIENS**SONOMA COUNTY**

Recorded	Amount
July 3, 1931—N SPENCER AVE 200 E from Mendocino Ave., Santa Rosa. C W Hansen to Frank A. and Grace R White.....	\$190.65

BUILDING PERMITS**SACRAMENTO**

RESIDENCE and garage, \$6000; No. 2659 Marty Way, Sacramento; owner, F. Mead, Sutterville Road, contractor, Mead Constr. Co.; Sutterville Road, Sacramento.

RESIDENCE and garage, \$4500; No. 2763 12th St., Sacramento; owner, A. R. Greenman, 4941 11th Ave., Sacramento.

ALTERATIONS, \$11,150; No. 916 K St., Sacramento; owner, A. E. Coolot, 2014 23rd St., Sacramento; contractor, E. J. Farr & Son.

RESIDENCE and garage, \$6800; No. 1110 Marion Way, Sacramento; owner, W. E. Smithurst, 1423 1/2 S St., Sacramento.

RESIDENCE and garage, \$2700; No. 3825 6th Ave., Sacramento; owner, A. Carson; contractor, Dolan Bldg. Co.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded June 30, 1931—3.67 ACRES PTN Lot 4, Citrus Heights Addition No. 6, Sacramento. Harry J Gordon to whom it may concern..... June 30, 1931

July 2, 1931—NE 1/4 ACRE LOT 51, Swansett Acres, Sacramento. Raymond A and Althea F Branstetter to whom it may concern..... July 1, 1931

July 3, 1931—LOT 108, West Curtis Oaks. Henry Schmidt to whom it may concern..... July 2, 1931

BUILDING PERMITS

FRESNO

DWELLING and garage, \$4475; No. 1031 College Ave., Fresno; owner, Norman Eichelberger; contractor, J. Dan Shorb, 1295 Linden St., Fresno.

DWELLING and garage, \$5850; No. 3335 Huntington Blvd., Fresno; owner, G. Goerenheimer; contractor, Harry P. Nelson, 822 S-Fifth St., Fresno.

ALTERATIONS and additions, \$2400; No. 1437 Tulare St., Fresno; owner, Ryan Theatre. Premises; contractor, Colby Electric Co.

ALTERATIONS and additions, \$1900; No. 3917 Kerckhoff St., Fresno; owner, H. H. Courtright, Premises.

COMPLETION NOTICES

FRESNO COUNTY

Recorded June 30, 1931—LOT 15 BLK 3, Highland Park, Fresno. C H Lehman et ux to whom it may concern..... June 30, 1931

July 2, 1931—LOTS 25 AND 26 BLK 69, Sierra Vista Addition No. 4, Fresno. A J Powell to whom it may concern..... July 1, 1931

July 3, 1931—LOT 40, North 10 ft. Lot 39 Blk 2, Buena Vista Addition, Fresno. Dwight W Doss to whom it may concern..... June 30, 1931

July 3, 1931—LOT 94, West Fresno Terrace. Taylor-Wheeler Inc to whom it may concern..... July 19, 1931

June 30, 1931—LOTS 13 & 14 BLK 11, Roeding Addition, Fresno. W T Harris and W D Oliver to whom it may concern..... June 29, 1931

Builders' Conference

Is Set for Santa Ana

Extensive plans are being made for the first meeting of the Builders' Exchange Conference of Southern California since its reorganization last month, to be held at Irvine Park, Santa Ana, July 24. A brief business meeting will be held at 5:00 P. M., following which dinner will be served. Immediately after the dinner, a short, but effective program has been arranged with entertainment following.

Robert H. Orr, Los Angeles architect and Harry W. Biddle, Los Angeles

attorney and a man with wide experience in the field of organization work, will be the principal speakers. Representatives from all groups affiliated with the building industry are being invited to attend.

SCIENTIFIC TRAFFIC REGULATION SPEEDS UP VEHICLE TRAVEL

Results of the effort to reform modern city traffic through scientific investigation indicate success beyond even the hopes of the traffic engineers who performed the work, according to the reports just received by Harvard University's Erskine traffic bureau.

Adoption of the scientific traffic code in Chicago has brought about a 33 per cent increase in the volume of traffic which the central district streets are able to handle. Abolition of parking in the Loop, for example, has been an actual stimulus to retail trade and has speeded up the general rate of vehicle travel.

Increase in speed from 13.2 miles an hour to 16.3 miles an hour is reported in the central section of Kansas City following operation of the bureau's recommendations there. Mid-day traffic has stepped up from 16.3 miles to 19.6 miles an hour. Street car movements, the city's public service company reports, have speeded up so that car riders effect a time saving of 25 per cent, or 8757 hours for the quarter million passengers entering and leaving the business district.

COOS BAY LUMBER FINANCING IS TOLD

Coos Bay Lumber Company is engaged in new financing for the purpose of retiring current bank indebtedness, resulting largely from additions to plant during the last 13 months, and to increase its working capital.

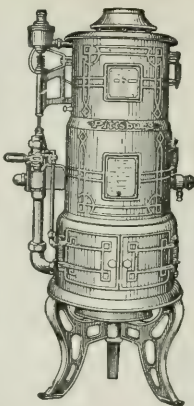
Under permit of the State Corporation Commission the company will sell

\$1,275,140 of five-year 6 per cent gold notes at 99 and accrued interest, and 63,757 shares no par common stock at 20 cents a share to those owning its stock interest, and to other underwriters. Offering will be made through Peirce, Fair & Co.

Subject to the present financing the company will have authorized and outstanding: \$1,275,140 five-year 6 per cent gold notes; \$4,781,775 7 per cent cumulative preferred stock, \$100 par value; 127,514 shares no par common stock.

Although untreated hemlock ties have a short life of four to eight years, as decay being soon, especially in moist climate, the Northern Pacific Railway is having good results from creosoted hemlock ties, some of which have been in the track for 21 years, according to a paper read before the Pacific Railway Club by Paul McKay, assistant purchasing agent. These ties cost less than Douglas fir but require a longer period of air seasoning, since they contain a much higher percentage of moisture. The preservative used consists of 80 per cent creosote oil and 20 per cent California fuel oil.

A unique method of erection is reported as having been used on the longest concrete arch bridge in Germany, a two-hinged design with a span of 446½ and a rise of 94½ ft., located at Oberammergau in the Bavarian Mountains, says Engineering News-Record. The ribs of the arch were designed on the assumption that structural-steel reinforcement would be used to carry the forms. In order that the steel would be certain to take the full dead load of the arch, the steel arch was loaded with gravel in special forms equal in weight to the dead load of the ribs. Then as the pouring of the concrete proceeded, the gravel was removed. It is believed that this is the longest concrete arch bridge in which the reinforcing system has been designed as a structural-steel arch.



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Published Every Saturday
Thirty-fifth Year, No. 29

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Issued Every Saturday

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HIGHWAY OFFICIALS WARNED OF "HOLD-UP"

More than 100 highway officials attending the annual meeting of the Western Association of State Highway Officials in San Francisco last week were warned by S. B. Show, San Francisco, United States regional forer, to be on the alert for a "new holdup game which mars scenic routes and raises the cost of road-building."

This "holdup" Show described as the filing of locations, under federal mining laws, on deposits of sand, gravel and stone on public lands along highways, and then erecting unsightly buildings, doing excavating and overcharging the state or county for rights of way.

Mr. Show urged that federal mining laws be amended to cover only metal bearing ground.

CALIFORNIA CEMENT IN OREGON PROTESTED

Use of California cement instead of Oregon cement on several street improvement jobs when the contracts called for use of the home state product has caused work to be stopped on some street improvements in Portland, Ore., while acceptance from the contractors is in question on the jobs completed.

City Commissioner Barbur called the halt when his attention was directed by the Oregon Cement Manufacturers' Association to the substitution, which the department of public works inspectors had failed to note. The inspectors were "called on the carpet" by Barbur.

The work in question includes paving of Oswego Street from Lombard Street to Smith Avenue; East 22nd Street from Killingsworth to Ainsworth Avenues, and Siskiyou Street from East 57th Street to Sandy Blvd. Jerry Barnard is the contractor.

CAPTAIN NURSE WINS QUARTERMASTER POST

Captain H. E. Nurse has been appointed constructing quartermaster of Fort Mason, San Francisco Presidio, replacing Captain Webster and Colonel Bennett. Captain Nurse will have charge of all Federal government work in the San Francisco Bay region.

He will maintain headquarters at Fort Mason on Tuesday, Thursday and Saturday of each week and at 829 4th St., San Rafael, during the remaining days.

Captain Nurse was originally transferred to this district to assume charge of construction on the government air base at Marin Meadows, near San Rafael. While actual construction at the Marin county field will not be commenced until the government holds full title to the property, preliminary work is going on.

COURT RULING FOR G. G. BRIDGE

Directors of the Golden Gate Bridge and Highway District will yield to the demand of the bond houses and secure a Supreme Court ruling on the taxing power of the district before making final awards on the \$35,000,000 Golden Gate Bridge.

It is expected that conditional contracts will be accepted by the low bidders on the various units of the project so as to avoid the necessity of asking new bids following the disposal of the bonds.

Several of the contractors have indicated their willingness to accept conditional contracts.

The Building Committee of the Golden Gate Bridge and Highway District has recommended awards of contracts to all low bidders. The cement bids were rejected, and, it is expected, will be purchased in the open market.

U. S. BUILDING CHARGE DENIED

Assistant Secretary of the Treasury Heath terms "grossly inaccurate" a statement issued thru the Democratic National Committee by Senator Fletcher of Florida charging the government's huge building program was being held up by lack of blueprints.

The Senator urged the Treasury to allot the work to private architects.

Heath said private architects had been employed on 109 projects which call for an expenditure of \$227,612,000.

Heath added that, while the building program contemplated an expenditure of \$700,000,000, the actual amount for which authorizations have been made by Congress and for which drawings can be commenced amount to \$495,441,192, and that drawings were in the making, or the projects lie between that stage and actual completion on \$407,000,000 worth of buildings. He said that for the last six months contracts for the program have averaged \$10,000,000 a month.

UNFULFILLED STEEL ORDERS ON DECLINE

Unfilled orders of the United States Steel Corporation showed a decrease of 141,129 tons in June to a total of 3,479,323 tons June 30. In May a decrease of 277,277 tons was reported.

The backlog as of May 31 was 3,620,452 tons. On April 30 unfilled orders aggregated 3,897,729 tons, against 3,995,330 tons on March 31. On June 30, 1930, unfilled orders amounted to 3,968,064.

ENGINEER FACING PROBE SUICIDES

On his way to undergo another day of grilling at the hands of the state's inquirers into New York City graft, Chief Engineer Traugott Keller of the department of docks hurled himself in front of a subway train last Friday and died rather than reveal any more secrets of his department.

His death was the signal for new revelations by the legislative committee investigating corruption, which announced that Keller, in two weeks of private examination, had admitted accepting \$90,000 in split fees for "co-operation" with private contractors engaged in city business.

All plans, specifications and construction details were subject to Keller's approval.

Huntington Addresses Bakersfield Exchange

Carlos W. Huntington, director of the State Department of Professional and Vocational Standards, charged with the enforcement of the contractors' license law, addressed members and guests of the Bakersfield Builders' Exchange last Wednesday evening. G. A. Graham, presided.

Out-of-town guests included Mano Zan, A. C. Honer, W. F. Sorensen, Ben Stiles, Harry Cayford, Lewis Hanson and S. F. Sorensen.

Colonel Huntington presented corrective needs of the building industry, as brought out by teeth of the new laws.

An interesting note of the session was a report by President Graham that E. E. Blaisdell, Bakersfield painting contractor, probably will be appointed license inspector for the state department in the Kern County district, as soon as funds for the department enlargement are available.

WATER SHORTAGE IS SERIOUS REPORT SHOWS

The year 1924 was the driest on record in the Sacramento and San Joaquin valleys and Harlow M. Stafford water supervisor for that district. In a report to the Division of Water Resources of the state, advises that conditions are likely to be even more serious this year than in 1924, according to river data.

Despite efforts to secure conservation of water, particularly by curtailment of rice planting, the acreage irrigated from the Sacramento river and its tributaries above Sacramento ranges from 26 to 34 per cent greater than was irrigated in 1924.

To meet this critical situation during the months of July and August, the conservation agencies co-operating to prevent waste, have notified water users that the amount of water which they will be permitted to divert will be reduced by the amount of wastage reported.

CONSTRUCTION IS KEY TO BUSINESS DEPRESSION LOCK

Survey of National Association of Real Estate Boards Discloses That Few Representative American Cities Are Over-built—Pressure of New Population and Depreciation of Old Structures Will Bring About New Construction—All Businesses Dependent Directly and Indirectly on Building Industry.

Few representative American cities are overbuilt, either with apartment structures or single family residences, according to the 17th semi-annual survey of the real estate market just released by the National Association of Real Estate Boards.

Containing figures secured during the past thirty days, and covering 381 cities located throughout the country, the study covers the supply and demand situation in buildings of all types, rent trends, and analyses of the present status of the real estate market and of the real estate money market.

The real estate market report is 50 per cent good. Of the 381 cities reporting on activity (realty sales), 49 per cent either report their market the same or more active than at this time last year. Eighteen per cent of these cities, scattered throughout the country, report a better market than a year ago. Fifty-one per cent of the cities reporting show a less active market.

The figures reveal that in 72 per cent of the cities reporting the demand for single family residences just about equals the supply; 17 per cent report an actual shortage, and only 11 per cent have an over-supply.

Sixty-five per cent of the cities report no over-supply of apartment structures; 12 per cent have a shortage, and only 23 per cent have too many of the multi-family dwellings.

Sixty-six per cent of the cities report no over-supply of business space, two per cent of which have a shortage in this type of building; and 34 per cent turned in an over-supply.

There is no over-supply and no under-supply of single family residences in the cities above 500,000 population reporting, a situation that has not prevailed before for the past eight years during which the Association has made these surveys covering the same cities.

Pointing out that the pressure of new populations and the depreciation of older structures of all types will inevitably bring about new construction, the Association declares that these figures look cheerful for the real estate business and all the other businesses dependent directly and indirectly on the building industry.

In these figures, also, says the survey, probably are buried thousands upon thousands of families that are living "two in one style" in quarters normally designed for one family, and any widespread return to prosperity would cause an exodus of these people to places of their own. If all of these families "undoubtedly" tomorrow there probably would be a residential and apartment shortage.

Actual figures on this situation, also released today, show that in the metropolitan area of St. Louis, Mo., more than 13,000 families are living as extra families in residential units of all types. This survey, the first of its kind ever to be made, inaugurated by the St. Louis Real Estate Exchange, with the co-operation of other local organizations, found nearly 9,000 families squeezed in homes other than apartments within the city itself.

Thus, the eight per cent vacancy actually found in all housing units by the St. Louis Post Office, probably

would not be more than four per cent if all families lived alone.

Definite adjustment in rents has taken place. Central office buildings suffered less from rent reductions during the past year than central business property, apartments or houses for-rent; and outlying office buildings suffered less than outlying business property, the rent reductions of which according to the Association, indicate a curtailment of expansion of outlying trading centers.

Both double and single family residences show sharper rent cuts than any of the other rental units of any kind. Sixty-nine per cent of the 381 cities reporting had reductions in rent for two family dwellings, thirty per cent of these cities show rents for this class of dwellings to be the same, and one per cent had raised their rents. In the single family class, 68 per cent of the cities show declines in rents, 29 per cent are stationary, and three per cent are up.

Apartment rents show less reduction than dwellings, with only 49 per cent of the tabulated cities reporting cuts, 49 per cent reporting rents the same as a year back, and two per cent having risen.

Rents for central business property are the same in 37 per cent of the cities, lower in 62 per cent, and higher in one per cent. Outlying business districts show about the same situation but the central office space leases remained the same in 58 per cent of the cities, rose in one per cent and declined in only 41 per cent of the cities. In cities of 200,000 to 500,000, central office space figures remained the same as a year ago in sixty per cent of the cities.

A dearth of capital for real estate financing is reported in smaller cities. Interest rates are rising in more of the reporting cities than they are falling. Cities of more than 500,000, however, show capital seeking loans, none of these cities report rising interest rates and some report falling rates. Interest rates are steady in 74 per cent of the cities. Loans are seeking capital in 53 per cent of the cities, and the situation is normal, that is, there is an even supply and demand of capital in 23 per cent of the cities.

Prices are down in the real estate market in 83 per cent of the cities, but 16 per cent of all the reporting cities have held their prices as compared to a year ago, which is a good showing, according to the Realty Association, when compared to the universal price decline of many other key commodities. Realty prices are up in one per cent of the cities.

The survey was made by the local member boards of the Realty Association.

Unemployment in the building trades remained at 48 per cent throughout May and June, compared with 37 per cent a year ago and 19 per cent in 1929, according to surveys completed by Engineering News-Record.

Meyers Safety Switch Co., Inc., has been incorporated in San Francisco. Directors are: E. E. Browne, C. J. Grieder, John F. Grieder, A. G. Kazebeer and R. B. Bousquet.

Home-Ownings at One Time Was Discouraged

Today many prominent people are encouraging home building for the good of the country, but few know that in 1650 many prominent people discouraged home-building for the good of the country, says the National Association of Real Estate Boards.

Today, President Hoover and many others agree that home owning is good for the individual, good for business, and good for the unemployment situation. Leaders in New Netherlands and New England in 1650 agreed that home building took time away from the important business of land cultivation, and that poor people would be discouraged by seeing the fine houses of the rich.

The wealthy were afraid that the poor might go back home and not help to develop the new country. They were especially afraid that they would not be able to grow enough to eat.

Many of the poor were living in holes in the ground, and the wealthy settlers denied themselves the comforts of home-owning and, also, lived in crude cellar habitations. Many rich families lived in this way for three or four years until the farming programs were sufficiently under way so food was assured for all.

Authority for this picture comes from a letter written in March, 1650, by a Dutch settler named Tienhoven, the original of which is in the archives of a government building at the Hague with other documents relating to the colonization of New York.

Writing in Dutch for those who wished to settle in the new country, Mr. Tienhoven said:

"Those in New Netherlands and especially in New England who have no means to build farm houses at first, according to their wishes, dig a square pit in the ground, cellar fashion, six or seven feet deep, as long and as broad as they think proper, case the earth inside all round the wall with timber, which they line with the bark of trees or something else to prevent the caving in of the earth; floor this cellar with planks, and wainscot it overhead for ceiling, raise a roof of spars clear up and cover the spars with bark or green sods so they can live dry and warm in these houses with their entire families for two, three or four years, it being understood that the partitions are run through these cellars which are adapted to the size of the family.

"The wealthy and principal men in New England, in the beginning of the colonies commenced their first dwelling houses in this fashion, for two reasons: Firstly, in order not to waste time building, and not to want food the next season; secondly, in order not to discourage the poorer laboring people who brought the bark over in numbers from the Fatherland.

"In the course of three or four years when the country became adapted to agriculture, they built themselves handsome houses, spending on them several thousand. * * * Then gardens are made and planted in season. * * * Outside the village or hamlet, other land must be laid out which can in general be fenced and prepared at the most trifling expense."

The National Retail Lumber Dealers' Association will hold its 14th annual convention at Detroit October 27 to 30. Headquarters will be at the Book-Cadillac Hotel.

Leroy R. Goodrich, former Commissioner of Public Works of Oakland, has been named a member of the Oakland City Port Commission, succeeding Sherwood Swan. Swan retired from the commission due to the pressure of private business.

NEVADA STATE LAW HOLDS ON FEDERAL GOVERNMENT WORK

Contractors working on federal government contracts connected with Boulder Dam, the building of highways on forest reserves, or with other federal projects must comply with provisions of the public works contractors' law enacted by the 1931 legislature of Nevada State. In all cases wherein the total value of the contract exceeds \$10,000, according to an opinion rendered by the attorney-general's office to Ed C. Peterson, state controller and registrar of the licenses issued to public works contractors.

Peterson sought the official opinion because of the fact that several large contracting firms in the state had refused to comply with the law or pay the \$200 license fee required from the first application of any person or firm submitting a proposal for or entering into a contract with the federal government, the contractors taking the stand that it is not necessary for contractors to have a state license in order to carry out a government contract.

In answer to Peterson's inquiry as to whether firms or individuals that have been awarded contracts by any branch of the federal government, where such work is not in co-operation with the State of Nevada, are subject to the statute, the attorney-general's opinion refers to the definition of the term "public works contractor" as contained in the 1931 act.

The statute states, "A public works contractor within the meaning of this act is herein defined to be any person, firm, copartnership or any thereof, who submits a proposal for or who enters into a contract . . . with any other public board, commission, or otherwise, charged with the letting of public works construction contracts, or who proposes or undertakes any other public works construction within the confines of this state, wherein the total value of such proposal or contract exceeds the value of ten thousand dollars." Sub-contractors are also included under the provision of the statute.

It should also be pointed out that in attempting to enact zoning restrictions by municipal ordinances, to restrict the character of the occupancy with respect to racial distinction in a given area, serious doubt may arise as to the constitutionality of the legislation, particularly where the restriction would include individuals who are either members of races who are eligible to United States citizenship, or individuals who are members of races, though not Caucasian, who are, nevertheless, citizens of the United States.

The problem is perhaps of primary importance to those communities which are already established, since in the establishment of new subdivision and residential areas, it is the general practice to anticipate the problem by appropriate contractual limitations and restrictions in the tract itself and in the deeds to the property. In this connection it should be noted, however, that in many instances the period of duration of these contractual restrictions have been relatively short, and many have either expired or will expire within the course of a few years.

ENGINEER PROTESTS SEWER PROJECT FEES

Illegal expenses and exorbitant costs for the \$106,000 Colma sewer project are charged to engineers of the district in a report filed with the Board of Supervisors of San Mateo County by Surveyor James S. James.

County Surveyor James refused to sign the assessment roll which would permit the contractor to collect the money due him, saying that until the illegal expenditures are stricken, only by court mandamus would his signature be affixed to the roll.

With James' refusal to sign the roll came a protest from Thomas J. Callen, one of the property owners assessed for the work. The Callen protest points out that engineers' fees of \$15,097.65 were 14 per cent of the total cost of the project and an "excessive charge."

Inspectors' fees were \$4,129.38, also declared "highly exorbitant."

The making of the assessment roll, for which \$2,048.24 was charged, is also "highly exorbitant" cost, it is reported, brought the total engineering expense to \$21,275.27, or 20 per cent of the project. The preparation of papers and resolutions, costing \$2,672.58, brought the incidental expense to 23 per cent of the sewer project costs.

BRICK PLANT IS PLANNED AT RENO

Announcement of plans for a brick, tile and clay manufacturing plant for Reno, Nevada, are announced by J. Y. Parker, president of the newly organized Parker Brick Company, a Nevada corporation. The plant will be located at a site near the Reno city limits.

Parker has had 22 years' experience with brick manufacturing. He started in the business in Colorado, and from there went to Long Beach, Cal., in 1910, where he operated the Long Beach Brick Company until 1916. After disposing of the Long Beach factory Parker went to Santa Barbara, where he started the Parker Brick Company.

Associated with Parker are Mayor E. E. Roberts, as vice president of the company, and Pierre Parisian, as secretary. The three are also directors.

Main plant building of the Mountain Lumber Company at Tacoma, Wash., suffered a \$100,000 fire loss on July 10.

RACE RESTRICTIONS FOR RESIDENTIAL PROPERTY CITED

(By H. L. Breed, Attorney, in the Oakland Realtor and Realty Owner)

In recent discussions with reference to proper zoning and restriction of residential areas to certain classes of individuals, reference has been made to the California Alien Land Law (Stats. 1921, page 83, as amended). It is thought perhaps by some brokers that this statute is an aid to the problem, in that it operates to restrict the right to own and use property to certain classes or races.

The California Alien Land Law, however, does not directly legislate against the ownership or use of lands in this State by any particular race or class of individuals. The statute in general decrees that all aliens eligible for citizenship in the United States may own, use or occupy real property, or any interest therein, in the same manner and to the same extent as citizens of the United States, but that aliens ineligible to United States citizenship are expressly limited to the right to own, use and occupy real property as set forth in treaties between the United States and the nation or country of which such alien is a citizen or subject.

Thus it will become apparent at once that the determination of a question as to whether a particular class of alien can own a particular type of property will be ascertained only by reference to the United States treaties with any given nation or country.

In many instances the treaties grant to such aliens the right to own or occupy lands in the United States for residential and commercial purposes. The restriction on the right to own or occupy real property placed upon the ineligible aliens is in many instances directed to agricultural lands only. The treaty with Japan is a typical example, and provides as follows:

"The citizens or subjects of each of the high contracting parties shall have liberty to . . . own or lease and occupy houses, manufactories, warehouses and shops, . . . to lease land for residential and commercial purposes . . ."

The Japanese, therefore, are expressly granted the right to own and use residential and commercial prop-

erty, and since no mention is made of the right to own and use agricultural property, the California Alien Land Law operates as an express prohibition in California directed to the Japanese against ownership or use of agricultural property.

Since the United States treaties with countries whose subjects are deemed aliens ineligible for United States citizenship generally permit the ownership of land for residential purposes, and because many of the United States-born children of these ineligible aliens are not within the prohibition of the Statute, the California Alien Land Law may be said to be relatively unimportant in approaching the problem of stabilizing or maintaining the character of a residential area with respect to the racial alienage of its inhabitants.

There are, however, two well known methods in use in restricting the character of a neighborhood. One is to restrict the use of the property by private contract between the landowners or by limitations in the grants themselves; and the other is by the enactment of zoning measures dividing the municipalities into certain districts for the purpose of effecting a segregation of the races.

In employing the first method one must bear in mind the well settled law that no restriction upon the right of ownership of land in this respect is valid. The use of the land only may be restricted to certain classes of individuals. In practice the effect of restricting the right to use the land in lieu of the right of ownership of the land is sufficient protection.

The residents of a particular area should have no complaint to make where an alien ineligible to United States citizenship or a descendant of a particular race, is the legal owner of the property since this should in no way affect the use, a limitation which would extend to even those holding legal title. It is very common to have a situation where the legal owner of the property, by express limitation in the instrument through which he acquired title, is prohibited from occupying or using the premises.

THE OBSERVER

What He Hears and Sees on His Rounds

The State Department of Public Works, in its several divisions, enters the third quarter of the year with an expanding program of improvement and employment.

In the Division of Highways, 6261 men have employment on improvements that represent an outlay of \$16,117,000. Seventy per cent of the money paid to contractors is passed on to labor. Staff members and penal laborers are not included. Apart from contractors, the day labor outlay is \$2,347,000. During this third quarter, the Department expects to award contracts of the estimated total of \$8,150,000. This will provide more employment and turn still more money into the channels of trade.

The Division of Architecture has 2,402 men at work on its various projects. To this number will be added 1,650 men during the third quarter. Sixty more projects are on schedule for early contract. The awards already made total \$5,868,010. Those to be undertaken during the next three months call for \$4,751,000. These figures show that during the third quarter the contracted and day labor in these two divisions will aggregate 9,000 men. The cost totals for the year will exceed \$29,000,000.

The Division of Architecture is carrying forward an accelerated program of construction that is, at this date, giving employment to 2,042 men. The contracted outlay calls for \$5,868,000. About one hundred projects are represented in the activities under way.

The division has a program for the next six months that will add about 80 per cent to the total of expenditures and to the number of men employed. Sixty projects of the aggregate cost of \$4,751,000 and providing employment for 1,650 men, will be launched. The average period of employment is ten months. In other words, this division has a \$10,000,000 program for the year, and it is being advanced on schedule.

The activities of the Division of Water Resources are largely technical, but this service comprehends work costing \$1,658,000. The regular staff of 250 trained men represents a considerable increase, made necessary by the expanding services of the division.

The State Department of Public Works is fully up on the schedule of activities assigned to it under Governor Rolph's program for speeding up public improvements as a measure of alleviation for unemployment. The figures covering the first six months' progress are a substantial evidence of accomplishment. Employment has been provided for thousands of citizens into whose pockets have been placed millions of dollars.

Captain Juan Bunge, German architect and engineer, who recently completed the Puerto Militar in the Argentine, said to be one of the finest pieces of work in South America, is in San Francisco to study American building construction. He announces he will remain in the San Francisco bay area for more than two weeks. He plans to study architectural designs in San Francisco, Oakland, Sacramento and Los Angeles, with a view to submitting a report to the City Planning Commission in Hamburg, Germany, so that American ideas may be incorporated in Germany's future building program.

To prevent reduction of wages in navy yards and stations, acting Secretary Jahncke last Friday ordered that the present schedule be maintained and that meetings of the wage boards scheduled for August 15 be postponed indefinitely. Without this order, local wage boards would have been obliged to recommend changes to conform to the standard paid on private projects in the same community. In view of present conditions of depression, navy officials said this would surely have the effect of lowering the scale.

Iron Age, a trade journal of the iron industry, reports that according to a survey of companies representing 34 different lines of manufacture in the United States and Canada, made by the Charles E. Bedaux Company, a firm of industrial engineers, 58 per cent have neither reduced wages nor salaries because of the depression. Of the 42 companies reporting salary and wage cuts, 3 per cent cut wages only, 15 per cent cut salaries only, and 24 per cent cut both salaries and wages.

According to the latest report received by the Bureau of Reclamation, more than 1000 men are now employed by the Six Companies, Inc., on the Hoover dam project. Progress on the construction railroad in the canyon at the dam site indicates that it will be necessary to construct two tunnels, one 900 ft. long and the other 1100 ft. long. The company has completed for itself at Boulder City the office building and dormitory, a barracks for 160 men and 13 small cottages. The Hoover dam power substation has been completed and put into operation by the Southern Sierras Power Co. The contractors have been paying for power since June 25.

Payment on school board projects of wages below rate prescribed in contract will henceforth draw a double penalty from contractors and subcontractors who violate the rule in the city of Detroit. The amount thus saved by the contractor must be refunded to the board, and he is to be barred from again submitting bids on school work.

The average hourly rate for skilled building trades mechanics is \$1.23, compared with \$1.36 in June and \$1.38 in July, 1930, according to Engineering News-Record. The national average for common labor is 47.2c. per hour, compared with 63.94c. in June and 56.15c. in July, 1930.

Reports of new orders for fabricated structural steel for the week ending June 20, 1931, were received from 100 establishments, whose capacity represented 53.7 per cent of the total capacity of all plants in the United States. The bookings reported by these establishments amounted to 8,898 tons, representing 17.9 per cent of the total capacity of reporting establishments. Reports of shipments of fabricated structural steel for the same week received from 96 establishments, whose capacity represented 51.5 per cent of the total capacity of all plants in the United States. The shipments reported by these establishments amounted to 18,837 tons, representing 39.6 per cent of the total capacity of the reporting establishments.

ALONG THE LINE

Max Baumann, treasurer of the National Association of Builders' Exchanges, died in New York City on June 28. Mr. Baumann was a member of the National Board of Control of the National Board of Control, and Jurisdiction for fifteen years, a member of the Executive Committee since that body became an active council in 1925, and for seven years held office as treasurer of the National Association.

Elmore R. Jeffery, 54, prominent Los Angeles architect, died in that city last Monday. Mr. Jeffery was a native of Wisconsin and went to Los Angeles over forty years ago. For the past sixteen years he had been associated with Frank R. Shaefer in the firm of Jeffery and Shaefer, architects. His widow and two sons survive.

Walter Burchell, superintendent of Dinuba City Water Department, died at Dinuba, Calif. last Tuesday from complications following an appendicitis operation. Mrs. Ada Burchell of San Francisco, his widow, and two children survive him.

Charles C. Moore, for about 30 years president of C. C. Moore & Co., Engineers, Inc., San Francisco, has retired from active participation in the management of the business and has become chairman of the board. Elgin Stoddard, who has been vice-president for about 25 years succeeds Mr. Moore as president of the company.

A small house with walls of tamped earth reinforced with barbed wire has been built by Archie Spear, Chicago architect, near Spencer, Iowa. The walls were tamped wood forms, the earth, a sandy loam being placed in layers four inches thick. The barbed wires were placed about eight inches apart. When the walls were thoroughly dried they were given a coat of tar on both the outside and inside. The house was built on a concrete foundation and, except for the walls, all other parts were of wood. It is stated a larger house will be built in the same way, the smaller one having been purely experimental. According to the architect's estimate, the cost of the small house was about 2 per cent greater than all frame construction.

Statistics of hydraulic cements other than Portland cement—which include masonry, natural, and puzzolan cements—compiled by the United States Bureau of Mines, Department of Commerce, show a production of 1,792,083 barrels in 1930, which represents a decrease of 18.9 per cent in comparison with 1929. In 1930 there were shipped from the mills 1,737,016 barrels of these cements, valued at \$2,469,531, a decrease of over 17.2 per cent in quantity and of 16.3 per cent in gross value as compared with 1929. Stocks at the mills increased and were 2.6 per cent higher at the end of 1930 than at the end of 1929. These statistics represent the output of eleven plants located as follows: One each in Alabama, Illinois, Indiana, Kansas, Kentucky, Ohio, and Pennsylvania; and two each in Minnesota and New York. The output has been expressed in terms of 376-lb. barrels to correspond with the statistics of Portland cement.

PRICE CUTTING IS CITED AS A DESTRUCTIVE FACTOR IN INDUSTRY

The idea advanced in a speech recently delivered by Ralph P. Stoddard, secretary-manager of the Common Brick Manufacturers Association of America, would probably assist the return of one thing if it can be successfully put into practice.

Mr. Stoddard strongly urges that price cutting be eliminated and his words contain wisdom that makes his speech well worth reading.

It is published herewith. — Editor.

(By Ralph P. Stoddard)

"There must be some sort of organized attack on price cutting or we never are going to get off the bottom of this pit of depression. No statesman or industrialist or medicine man of business has yet discovered a legal way to prevent that form of business suicide in which the perpetrator, figuratively, uses a machine gun that mows down his competitors as well as himself. If the price cutter would use some form of annihilation that did not make victims of the innocent bystanders, there would be only rejoicing, but the ignorant, the greedy, the selfish and the ruthless price cutter is threatening the whole business fabric.

There is before me a full page advertisement of the Oil Producers Sales Agency of California. It is a pathetic appeal to state officials, producers, refiners, marketing companies, retailers and motorists to save for the state of California a \$3,000,000,000 industry that is threatened by price cutting. You have all read the scathing condemnation of price cutting in the steel industry recently delivered by President Farrall of the United States Steel Company. Portland cement, lumber, all clay products and manufactured goods generally are selling in demoralized markets and nothing is being done about it.

"Yesterday I was taking to task a local contractor because he had left a legitimate material dealer and an association member and is purchasing his material from an outlaw price cutter. Before we were through with the argument, he was bitterly complaining of the 'jerry' builder who undersold him with houses of inferior quality. This contractor doesn't like the price cutter in his own business but encourages them in the other fellow's business. Isn't that the root of the trouble?

"There should be an organization against price cutting. The pledge of the members should be 'I will not be a price cutter and I will not patronize a price cutter.' The inclination within all of us is strong to accept the lowest price on any purchase, quality and service being equal, but every cut price accepted reduces the purchasing power of the community and it drives one more nail in the coffin of the industry in which it occurs. To quote from the California Oil Producers' advertisement on this subject:

"Remember. When you think you are enjoying cheap gasoline or fuel oil you are only inviting ruin to yourself—every cent you think you save on gasoline costs your state in purchasing power at the rate of \$20,000,000 annually. Every ten cents you think you save on fuel oil reduces the purchasing power at the rate of ten million dollars a year. If you wish to contribute to a quick return to normal purchasing power of your community,

demand of your local dealer that he stop his ruinous cut-price policy, advise him that he should make a profit for himself and in turn increase his purchasing power and by so doing benefit you."

"In the time of rising prices, they talked about the vicious circle; every man has to get more for his goods and services because he has to pay more for what he buys. We are now engaged on a much more vicious circle and we are running around in the wrong direction. We try to buy everything for less, which means that we have to accept less for our own goods and services and if that policy is persisted in, we will narrow the circle down to a vanishing point.

"If all the luncheon clubs of the country, the Rotary, Exchange, Optimist, Gyro—what Will Rogers calls the professional eating clubs—would unite into one anti-price cutting club, conditions might improve at once. It should be extended to all business organizations. Stop accepting cut prices, stop giving cut prices, and immediately turn the trend from a lowering purchasing power toward a higher purchasing power. Every community that accepts \$1000 worth of brick dumped into it from another market at a cut price reduces the purchasing power of its own community \$1000. The contractor who thinks he gains by buying dumped, cut-price brick is simply restricting the people in his own community, from building homes. He is stopping the merchants from enlarging their stores, he is making it more difficult for the communities to build schools and he will suffer with the rest in the long run. We cannot build up anything in this country without profits and there are no profits in business today because of the ignorance and viciousness of a certain element in business who cannot see beyond the end of their nose."

END OF STEEL DECLINE EVIDENT

The weekly steel review, issued in New York last Wednesday, said the industry was confident that July would represent the bottom of the decline.

Iron Age estimated current production at 33 per cent of capacity against 35 per cent a week ago.

"Effects upon the business world of the final accord in international debt suspensions are not yet tangible," it said, "but the steel industry is confident that when the adverse seasonal influences are out of the way there will be a gradual recovery from current low levels."

"The second half of the year opens with business bumping along slowly on the long, winding detour at some distance from the main road of prosperity," says the Business Bulletin of the La Salle Extension University. "Some signs of a turning have appeared, and at times the way has seemed to be getting a little smoother. Yet there are still many bumps and the going in a number of spots is too rough for us to make much speed. We are learning better how to drive successfully under the changed conditions, and that is decidedly encouraging. Wider experience under trying circumstances and the broader perspective which many are gaining give assurance that we shall soon be able to discern the way out of our difficulties more clearly."

TESTS OF WELDS CITED IN BOOKLET

The investigation reported in Circular No. 21 of the Engineering Experiment Station of the University of Illinois pertains to hand-welding of the relatively thin steel plates used in the fabrication of storage tanks for oil and water systems. The objects were to determine the physical properties of a weld-rod after it has been deposited in a weld, the relative merits of various types of welds for thin plates, and the relative merits of various types of weld-rods. The investigation was limited to electric-arc welds and to static tests of welds.

In the study of the various makes of weld-rods, 66 specimens were tested, six specimens being made from each of eleven kinds of rods. The lowest average for any one set of six specimens made from the same kind of rod was 60 531 lb. per sq. in.; and the average for the 66 specimens was 54 410 lb. per sq. in. All welds were of the V type, and welds for all specimens had the excess material machined away so that the section was of the same thickness through the weld as through the body of the specimen.

Data obtained from tests indicated that a rod designed to produce a reducing atmosphere over the molten metal may be, but is not necessarily, superior to an uncoated rod. It would appear that before the superiority of a particular make of rod can be accepted, tests should be made upon welds from that rod.

The strength of the all-weld specimens made of uncoated rods, as well as of the specimens made of rods designed to produce a reducing atmosphere, was greater when the beads were laid longitudinally with the specimens than when they were laid transversely to the specimens.

The specimens containing lap-joints welded with a rod not designed to produce a reducing atmosphere all broke outside the weld, the average strength being just slightly greater than the strength of the control specimens cut from the plates welded together.

Copies of Circular No. 21 may be obtained without charge by addressing the Engineering Experiment Station, Urbana, Illinois.

WHEELER PREDICTS LUMBER TRADE GAIN

Optimistic over prospects on the east coast and expressing confidence that the Pacific lumber trade will improve, Charles L. Wheeler, vice-president and general manager of the McCormick Steamship Co. is back in San Francisco.

Wheeler has spent the past three months touring the east coast and made a visit to the Caribbean, during which he was the guest of Col. Theodore Roosevelt, governor-general of Porto Rico.

Building is on the up-grade in the east, Wheeler said. Economic conditions in the West Indies are better than might be expected with the low price of sugar he added.

Wheeler said his inter-island visits were expedited by the use of scheduled air lines.

William Young of Pittsburg, Calif., was fined \$25 by Judge Wm. Moore on a charge of installing plumbing within the Pittsburg city limits without a permit or a license. Young was arrested on the complaint of Robert Heck of the municipal water department.

3 1-2 % OF COST IS ARCHITECT'S FEE ON SACRAMENTO SCHOOL UNIT

Jens C. Petersen, architect, was chosen by the Sacramento city board of education to draw the plans and specifications for the new manual training building at the Sacramento High School, which will replace the former structure destroyed in a fire a month ago.

Petersen submitted a bid of 3 1/2 per cent of the cost of the project for architectural fees, whereas six other architectural firms presented offers of 6 per cent and one offered to draw the plans for 5 per cent.

The board of education, meeting in special session, engaged in a lengthy discussion on the architects' bids. Dr. A. M. Henderson finally opposed the award to Petersen, contending it is "a mistake to consider such economies in building."

E. J. Woodburn, business manager of the school department, estimated the building, exclusive of equipment, will cost about \$40,000. He said the amount of insurance money from the old building and equipment will approximate \$70,000. Salvaged equipment will amount to between \$25,000 and \$30,000.

Petersen's architectural contract stipulated he shall have preliminary drawings completed in seven days, when the board will probably meet in special session to approve them. Fifteen days after that, the contract provides the architect must have working drawings completed so contractors' bids may be invited. These bids must be advertised for three weeks, so it is unlikely construction of the new high school building can be started for at least six or seven weeks.

In awarding the architectural contract to Petersen, the board accepted his promise to give personal supervision of construction work.

Eugene Sessler presented a bid of 6 per cent, while 6 per cent offers, the usual fee asked by architects, were made by Starks & Flanders, W. E. Coffman, Harry J. Devine, Fred Harrison, George C. Selton and Chas. F. Dean.

In declaring he believed the board was making a mistake in accepting a 3 1/2 per cent architectural bid, when early construction of the high school building is most important, Dr. Henderson moved Starks & Flanders be given the contract, but there was no second. He doubted whether Petersen would be able to prepare the plans and specifications in the time he mentioned.

Efforts to rush the building to assure its completion by the beginning of the next school term, August 25, received a check when Attorney General U. S. Webb ruled that the school district must follow the usual procedure in advertising for bids, and awarding the contract to the lowest bidder. The school district had asked Webb whether it might legally declare the occasion an emergency and have the work done by day's labor, buying materials in the open market, to rush the building.

The motion for the Petersen award was made by Martin I. Welch, new board member, and seconded by Mrs. K. E. Pierce. Dr. Henderson then insisted upon a legal contract providing penalties for non-fulfillment by the architect.

a very conservative structure for such foundations. The dam might be profoundly inclined to slide, he adds, either if water flows over its crest, in earthquake shocks, formation in time of coldal sludge exerting greater pressure than water, vibrations due to tunnel discharge, and local head-pressure zones developing in the rock forming the canyon walls.

Figuring the effect of the "sliding factor," Mr. Gerry says: "The end sections would yield first, as a result of the large loading transmitted to them by torsion from other parts of the structure. The St. Francis dam yielded in this way and the Hoover dam would undoubtedly fail finally at the ends, in a similar manner."

Arch Design Questioned

Obviously, he says, secondary support against sliding is intended to be derived from the arch action of the dam. This refers to the shape of the dam, which is curved inward against the wall of water. Concerning this intent he says:

"There never has been a rational solution of the problem of indeterminate support for arched gravity dams, nor is there likely soon to be one, for the primary reason that the complex distribution of stresses throughout so great a mass—are controlled in major extent by the physical attributes of the concrete and rock, the very elements of which are yet unknown.

"At the present time, only unsupported opinion contends that arch action may be relied upon with certainty to relieve any considerable deficiency in a dam of gravity section.

Remedy Outlined

"The danger lies not within the structure itself but in the extent and manner of support to be derived from the foundation rocks. It is there that improvement is essential if adequate safety is to be obtained.

"This situation is avoidable, because a gravity section can be so designed as to provide, with reasonable certainty, a fixed safe limit to the risk. The additional cost to secure a high degree of safety may be perhaps as much as five million dollars; not too much to pay for security in this case."

ROCK FOUNDATION OF HOOVER DAM QUESTIONED BY ENGINEER

Safety of the Hoover dam is questioned—is said to risk repetition of the St. Francis dam disaster—in the July issue of Civil Engineering, official bulletin of the American Society of Civil Engineers.

The writer is M. H. Gerry, Jr., a consulting engineer of San Francisco, and member of the society.

Hoover dam, 727 feet high, the greatest hydraulic structure ever undertaken, is still in the blue print stage, but the design has been selected and the contract let, and the safety questions are raised about this design. The danger is said to be due to the rock upon which the dam will rest rather than in the structure itself.

Risk Can Be Avoided

This risk, the article claims, can be wiped out for an additional expense of \$5,000,000 or less.

"It should not be forgotten," says the writer, "that three years ago the St. Francis dam, built by the city of Los Angeles, did fail, and without the slightest warning. Even a cursory examination of the plans now proposed will convince engineers that the Hoover dam is designed in accordance with the same school of thought and on altogether similar lines.

"Like the St. Francis dam it is deficient in gravity section when uplift is considered; it is curved in plan, on the same radius; and it is designed on the same general theory that some concurrent arch action will take place and thus overcome the limitations of the section—a theory widely disputed by engineers."

Weight Insufficient

The statement "deficient in gravity section when uplift is considered" means the dam's weight is insufficient to keep it from sliding with the weight of water pushing it from behind. The "uplift" is upward push of water seeping under the dam, a push of tremendous power when the water is deep behind the dam. This uplift is at the rate of 62½ pounds a square foot of depth. It is equivalent to a large reduction in weight of the dam.

The dam's weight Mr. Gerry gives as 6,800,000 tons, and the push of water behind it about 3,500,000 tons. He goes on to explain why this apparently safe weight may not hold the water.

Permeable to Water

"The natural rock at the site," he says, "is said by the reclamation service to have good weight-sustaining ability. It consists of tufts and flows of volcanic breccia (hardstone having the appearance of being filled with pebbles) and is of a character usually regarded by engineers as irregular and somewhat uncertain until demonstrated to be otherwise by full exposure. Granting that it will be found to have ample strength in compression throughout, this rock is nevertheless by its nature permeable to water and it has a low coefficient of friction."

A "low coefficient of friction" means that the rock is slippery, that there is no great amount of friction to keep the dam from sliding upon it.

Dam Might Slide

Prudence, says Mr. Gerry, suggests

According to a statement made by Wilson Compton, manager of the National Lumber Manufacturers Association, United States government mail subsidies are in effect being applied to encourage the importation into the United States of Russian pulpwood, lumber, and other products of communist industry.

"Take the case of the SS. Minnequa," said Mr. Compton, "which recently landed a cargo of pulpwood in Albany, notwithstanding our protest. This American flag vessel received a cash postal subvention of \$15,700 for the trip from New York to Leningrad and return. Such a subsidy makes it possible for low freight rates to be offered to the Russian government for the transport to the United States of forest products made from confiscated forests by timber-workers who if not convicts are 'forced' or 'exile' workers, such as dispossessed peasants. Pulpwood being on the U. S. free list, the native product has little chance in competition with products which represent no investment, are tax-free, produced by involuntary labor paid low wages in depreciated rubles, and moved by American ships subsidized by American taxpayers. Among these taxpayers are, of course, the producers themselves of American pulpwood who are thus involuntary and indirect contributors to the subsidizing of their most demoralizing competition."

ECONOMIC RECOVERY HINDERED BY "ARCHITECTURAL BUREAUCRACY"

Economic recovery is being held up by an "architectural bureaucracy" in Washington, George H. Gray of New Haven, Conn., Director of the American Institute of Architects for the New England Division, charges in a statement just made public.

"Pent up power for relief from the business depression lies in the Treasury of the United States in the form of appropriations for \$500,000,000 worth of buildings, which will not be used in volume, according to the present schedule, until the emergency is passed," Mr. Gray declared.

"This situation has arisen despite the fact that Congress in appropriating this money sought to aid in reducing unemployment, and in restoring prosperity.

"The cause of the delay is bureaucracy, the taking over by the Government of functions best performed in the communities where the buildings are to be built. The Government has not gone into the contracting business, but it has built up a huge architectural office.

"Huge as it is—employing some 800 draftsmen—it is not adequate to put into the works at once the volume of building for which appropriations have been made to meet existing needs. It is estimated that the Government cannot catch up until 1937. Even if this estimate is modified by one-half, the emergency will not be met. The public buildings program can be speeded up by allotting to architects in private practice all work which the architectural office in the Treasury Department cannot handle immediately. In support of an appeal for the employment of private practitioners in the design and execution of the Federal public buildings program, Mr. Gray quotes President Hoover as saying two years ago:

"It is the wish and the demand of the American people that our new buildings shall comport with the dignity of the Capital of America, that they shall meet modern requirements of utility, that they shall fulfill the standards of taste, that they shall be a lasting inspiration.

"In architecture it is the spiritual impulse that counts. These buildings should express the ideals and standards of our times; they will be the measure of our skill and taste by which we will be judged by our children's children.

"Mr. Mellon has insisted that the great responsibility before us is not one which can be discharged by any one individual. It must be the product of the common mind of many men, devoted to secure for America the vast realization of the expression of our Nation.

"And I am confident that we have within the Nation the taste, skill, and artistic sense to perform our task, for our architects have already given to America the leading place in their great art."

Mr. Gray urged a return to the policy laid down by the late Franklin McVagh, who when Secretary of the Treasury said:

"The elimination from the service of the Government of the knowledge, gifts, and inspirations of all architects except those confined within the Treasury Building, reduces our architectural dimensions to those of a single architect's office, and limits us to the architectural control of one man; whereas, such continual building as we do, such opportunities of influence upon all the buildings in the country as we have, such responsibilities to the architecture of the Nation as we cannot relieve ourselves of, demand that the Government should have at its disposal every bit of architectural ability that the Nation possesses."

Mr. Gray pointed out that the American Institute of Architects is at this time urging the administration at Washington "to change its procedure so that, in the production of all the raw materials going into these buildings, all the manufacturing of these materials, all the transportation, all the labor, craftsmanship, and administrative services may be now employed."

"Red tape and bureaucracy," Mr. Gray concluded, "must give way to action."

HAYWARD PLUMBERS SEEK EXAMINATION

Resolution calling for a change in the city's newly enacted plumbing ordinance to provide for a \$25 initiation fee and an examination of all applicants for a plumbing license were adopted at a meeting of the Hayward Master Plumbers' Association July 8. It is the opinion of the association that the ordinance should be the same in all particulars as that in force in other cities, notably Berkeley, which requires the applicant for a license to take an examination and pay an initiation fee.

"Under the conditions of the city's new ordinance anyone, regardless of his knowledge of plumbing, and without taking an examination, can establish himself in business by paying \$2.50 for a surety bond," declared A. Kruse, president of the association. "The Master Plumbers' Association feels that the public is entitled to the same protection that is in force in other cities."

"Regardless of rumors to the contrary," Kruse continued, "the Hayward district master plumbers will endeavor at all times to give the public the best modern sanitation at the least possible cost."

WIELAND ELECTED SHEET METAL CHIEF

Geo. A. Wieland was elected president of the Sheet Metal Contractors' Association of San Francisco at the annual meeting of the membership held last week. Wm. A. Muther was elected vice-president, and Thos. J. Guilfoxy, treasurer.

Arthur E. Forderer, Howard Hickey Jas. F. McCaron and J. C. Schulthies were elected directors.

John L. McGrath was re-elected secretary.

The meeting was declared the most successful held in the history of the organization. Following the formalities which usually accompany the election of officers, the meeting was open to a general discussion regarding ways and means whereby the association could improve its service to the members. Suggestions offered are to be acted upon by the Board of Directors and a committee of members appointed for that purpose.

Plan Standard Test Code for Refrigerators

Work on the preparation of a standard test code for automatic refrigerators is being undertaken by the subcommittee on tests of the sectional committee on specifications for refrigerators (B38) under the procedure of the American Standards Association. The subcommittee has recently been reorganized for this purpose following its completion of a draft of a standard test code for ice refrigerators.

The test for automatic refrigerators will cover the following five principal elements of performance: ambient temperature under standardized conditions; internal temperatures; power input (electricity, gas or other fuel, and water); proportion of time in operation; number of cycles of operation in a unit of time.

Charles E. Roe, Electrical Testing Laboratories, New York City, is chairman of the sectional committee, and of the subcommittee which will prepare the draft.

The American Society of Refrigerating Engineers and the Bureau of Home Economics of the U. S. Department of Agriculture are joint sponsors for the project.

LABOR HOURS ON HOMES ERECTED DURING THE YEAR 1931 ESTIMATED AT 2,321 BY SEARS ROEBUCK CO.

Approximately 2321 building trade labor hours were required for the average small home built last year, according to a recent analysis by Sears, Roebuck & Co., based on the operations of the home construction division for 1930. This figure, it is pointed out, varied under different seasonal and climatic conditions. The average small home constructed by the company involved the employment of 32 workers in 11 building trades, the analysis shows.

The employment figures were broken down on the basis of 2500 homes constructed by the company in 1930, largely under a fifteen-year installment mortgage policy, by which the company loaned upwards of 75 per cent of the value of lot and completed house, and undertook all the construction work. Homes so built by the company ranged in price as high as \$50,000, but with a heavy prepon-

derance in the \$5000 to \$10,000 bracket. On the basis of this breakdown, the company estimates that its home construction operations in 1930 employed 80,000 workers in building trades for a total of approximately six million hours. The following tabulation shows the distribution of workers and time among the eleven building trades:

Trade	Aver- age	Aver- age	Approx- imate
	Men	Hrs. per house	Total hours
Carpenters	5	365	2,320,000
Masons	4	411	1,644,000
Painters	3	250	750,000
Plasterers	4	188	752,000
Steamfitters	2	124	248,000
Excavators	4	120	480,000
Electricians	2	76	152,000
Plumbers	2	88	176,000
Metal Workers	2	16	32,000
Tilers	2	20	40,000
Lathers	2	60	120,000

Building News Section

APARTMENTS

Contract Awarded.
APTS. & STORE Cost, \$20,800
SAN FRANCISCO. NE Monterey
Hwy. and Forester.

Two- and three-story and basement
frame and stucco apartment and
store building (four 4-room apts.
and one store; gravel roof, arcola
heating system, hardwood floors,
tile baths and kitchens).

Owner—L. Ferrero, 165 Brighton Ave.
Architect—J. A. Porporato, 619 Wash-
ington Street.

Contractor—L. Murer, 1815 Mason St.

Plans Being Revised.
APARTMENTS Cost, \$22,000
SAN FRANCISCO. W Castro Street
S 21st.

Three-story and basement frame and
stucco apartments (11 2- and 3-
room apts., garages; composition
roof).

Owner—F. A. Pacher, 1467 11th Ave.
Bids are held under advisement and
awards will be made in about two
days.

Preparing Plans.
HOTEL-APT. Cost, \$135,000
ALAMEDA, Alameda Co., Cal. Web-
ster and Haight Sts.

Four-story frame and stucco apart-
ments (110 rooms; 1-story rein-
forced concrete garage).

Owner—J. C. Martin, 1437 5th Street,
Alameda.

Plans by Owner.

Additional Sub-Contracts Awarded.
APARTMENTS Cost, \$150,000
SAN FRANCISCO. SE Ellis & Frank-
lin Streets.

Seven-story reinforced concrete, steel
and brick apartments (tar and
gravel roof, electric stoves and re-
frigerators; 53 2- and 3-room apts.).

Owner—Bargene Realty Co., 323 Mo-
nadnock Bldg., San Francisco.

Architect—Charles E. J. Rogers, Phe-
lan Bldg., San Francisco.

Terra Cotta—Gladding, McBean & Co.,
660 Market St., San Francisco.

Steel Forms—Soule Steel Co., 1750
Army St., San Francisco.

Spreaders, Tile Wires, Etc.—Construc-
tion Device Co., 712 Bryant St.,
San Francisco.

Other awards reported June 25th.

Sub-Contracts Awarded.
REMODELING Cost, \$—
SAN FRANCISCO. 145 Laurel Street.

Remodel frame and stucco apartments
Owner—Harry B. Allen, 290 Sea Cliff.

Architect—Not Given.

Contractor—D. L. Bienfeld, 666 Mis-
sion Street.

Electric—H. Goodman, 344 Ellis St.

Plumbing—J. J. McLeod, 1246 Golden
Gate Ave.

Painting—D. Zelinsky, 165 Grove St.

Brick—Harry Drake, 666 Mission St.

Millwork—Empire Planing Mills, 750
Bryant St.

Tile—Meda Art Tile Co., 1735 San
Bruno Ave.

Structural Steel Contract Awarded.
APARTMENTS Cost, \$—
SAN FRANCISCO. SW Gough Street
and Broadway.

Six-story and basement steel frame
and concrete apartment building.
Owner—Mrs. Jole Exnicios, 135 Darien
Way.

Architect—H. C. Baumann, 251 Kear-
ny Street.

Structural Steel—Judson - Pacific Co.,
Mission St.

Weekling is under way.

BONDS

REDDING, Shasta Co., Calif.—Fall
River Mills School District sells \$8,-
000 bond issue for premium of \$232;
proceeds of sale to finance erection of
a new school.

ORICK, Humboldt Co., Cal.—Election
will be held July 31 in Orick
School District to vote bonds of \$18,-
000, proceeds of sale to finance the
erection of a new school building.
Trustees of the district are: M. P.
Kring and Robert Davidson.

CHURCHES

Plans Being Prepared.

CHURCH \$85,000 exclusive of
furnishings

BAKERSFIELD, Kern Co., Cal.—
Truxton Ave., bet. L and M Sts.

Reinforced concrete church compris-
ing three structures—main church
auditorium, chapel and Sunday
School and Ex-Cathedral.

Owner—First Baptist Church, Rev. F.
O. Belden, pastor, Bakersfield.

Architect—Chas. H. Biggar, Bank of
Italy Bldg., Bakersfield.

Contract Re-Awarded.

BUILDING Cost, \$—
OAKLAND, Alameda Co., Cal. Lake-
shore and Mandana Bldgs.

Two-story and basement frame and
stucco building (tile roof, kitchen,
hot air heating, oil burner).

Owner—First Presbyterian Church,
26th St. and Broadway, Oakland.

Architect—Hardman and Russ, Berke-
ley Bank Bldg., Berkeley.

Contractor—A. Cedarborg, 1455 Ex-
celisor Ave., Fruitvale.

Previously reported as being award-
ed to Harry E. Kane, 921 Ramona
Ave., Oakland.

FACTORIES AND WARE- HOUSES

Plans To Be Prepared.

PLANT Cost, \$—
RENO, Washoe Co., Nevada.

SKILSAW Portable Electric Hand
Saws (4 models).

SKILSAW Portable Electric Sander

SKILSAW Radial Arm Attach-
ments.

SYNTRON Portable Electric Ham-
mers (4 models, motor-
less).

MALL Flexible Shaft Machines (50
models).

Electric Drills, Grinders, Buffers,
Routers, Lock Mortisers.

PETER H. NELSON

Labor Saving Portable Electric
Tools.

1248 Mission St.

Underhill

San Francisco

7602

SALES . SERVICE . RENTALS

Brick, tile and clay manufacturing
plant.

Owner—Parker Brick Co., (A new Ne-
vada corporation).

Architect—Not Selected.

J. Y. Parker is president of the
company, E. E. Roberts, mayor of
Reno, is vice-president and Pierre
Parisian, secretary. Parker started
in the brick business in Colorado and
later operated the Long Beach Brick
Company at Long Beach, Calif., which
he sold and immediately opened up
the Parker Brick Company at Santa
Barbara. Further mention will be
made of this project as the plans pro-
gress.

Elevator & Brick Contracts Awarded
ALTERATIONS Cost, \$5500

SAN FRANCISCO. No. 700 York St.

Alterations to industrial building (re-
locate floors, etc.)

Owner—Pacific Felt Co., 700 York St.,
San Francisco.

Architect—Not Given.

Contractor—L. A. Hinson, 756 Fourth
Ave., San Francisco.

Elevator—Pacific Elevator Co., 45
Rausch St., San Francisco.

Brick Work—Wm. Rainey, 323 Clem-
entina St., San Francisco.

Contract Awarded.

ADDITION Cost, \$15,000

STOCKTON, San Joaquin Co., Cal.

San Joaquin and Fremont Sts.

One-story brick addition to present
building (20-year built-up roof).

Owner—Turnow Bros., Premises.

Plans by T. E. Williamson.

Contractor—T. E. Williamson, 1859
W-Park Ave., Stockton.

Sub-bids will be taken in Stockton
in about two weeks.

Plumbing and Heating Contracts
Awarded.

CREAMERY Cost, Price, \$115,560

SAN FRANCISCO. 18th and York
Streets (137x200 feet).

Two-story and basement Class B con-
crete creamery (foundation laid
for two additional stories to be
added later).

Owner—Challenge Creamery & Butter
Assn., 307 Montgomery St., S. F.

Architect—Dodge Riedy, Pacific Bldg.,
San Francisco.

Contractor—Monson Bros., 475 Sixth
St., San Francisco.

Plumbing and Heating—Anderson &
Rowe, 45 Belcher St., S. F.

Sprinkler System and Electric Con-
tracts Awarded.

WAREHOUSE Cost, \$—

OAKLAND, Alameda Co., Cal. First
and Market Streets.

One-story brick and steel frame ware-
house (140x150 feet).

Owner—Howard Terminal Corp., First
and Market Sts., Oakland.

Architect—Reed & Corlett, Oakland
Bank Bldg., Oakland.

Contractor—S. G. Johnson, 4652 Do-
lores St., Oakland.

Sprinkler System—Albertson-McCor-
mick Sprinkler Co., 865 Mission
St., San Francisco, at \$20,153.

Electric—T. L. Rosenberg, 411 Web-
ster St., Oakland, at \$59,150.

Other awards reported July 2, 1931.

MODESTO, Stanislaus Co., Calif.—

City Engineer Frank J. Rossi has
recommended to the city council es-
tablishment of a municipal corpora-
tion yard with machine shop.

Sheet Metal and Stair Contracts Awarded.

ADDITON Cost, \$20,000
SAN FRANCISCO. 383 Brannan St.
 Two-story steel frame and brick addition to warehouse.
 Owner—San Francisco Warehouse, 625 Third Street.
 Engineer—Ellison and Russell, Pacific Building.
 Contractor—Barrett & Hlip, 918 Harrison Street.
Sheet Metal—Western Furnace & Cornice Co., Lansing and Essex Sts.
Stair Work—E. D. Philbrick Co., 41 Sheridan St.
 Other awards reported June 30.

Contract Awarded.

WIRING Cont. price, \$3,797
OAKLAND, Alameda Co., Cal. Outer Harbor Terminal.
 Electric wiring for light and power for 2-story reinforced concrete warehouse ("C") superstructure 210x 280-ft.)
 Owner—City of Oakland (Port Commission), 424 Oakland Bank Bldg., Oakland.
 Plans by Eng. Dept. of Owner.
 Contractor—T. L. Rosenberg, 411 Webster St., Oakland.

Roofing Contract Awarded.

FACTORY Cost Approx. \$50,000
EMERYVILLE, Alameda Co., Cal.
 One-story steel frame and brick factory.
 Owner—Paraffine Companies, Inc., 475 Brannan St., San Francisco.
 Engineer—Leland Rosener, 233 Sansome St., San Francisco.
 Contractor—MacDonald & Kahn, Financial Center Bldg., San Francisco.

Roofing—Malott & Peterson, 3221 20th St., San Francisco.
 Other awards reported June 20, 1931.

Steel Door and Window Contracts Awarded.

WAREHOUSE Cost, \$20,000
OAKLAND, Alameda Co., Cal. South Seventh St. & Fallon St.
 One-story reinforced concrete warehouse.
 Owner—George R. Borrmann Steel Co., 4th and Grove Sts., Oakland.
 Engineer—H. W. Bolin, Financial Center Bldg., Oakland.
 Contractor—H. J. Christensen, Ray Bldg., Oakland.

Steel Windows—Detroit Steel Products Co., 63rd and Doyle Streets, Oakland.

Steel Doors—J. G. Wilson Corp., 26 O'Farrell St., San Francisco, and Curtis & Geer, 5th and Adeline Sts., Oakland.
 As previously reported concrete contract awarded to Makin & Kennedy; lumber to Sunset Lbr. Co., 400 High St., Oakland; E. K. Wood Lbr. Co., Frederick and King Sts., Oakland and Reemore Lbr. Co., 10035 E. 14th St., Oakland; structural steel to Pacific Coast Engineering Co., foot of 14th St., Oakland.

Plans Completed.

STORE & CANNERY Cost, \$10,000
SAN FRANCISCO. NW Faith and San Bruno Avenue.
 Two-story class C reinforced concrete store and cannery (tar and gravel roof, steam heat, gas fired boilers)
 Owner—Muzio Packing Co., 2499 Howard Street.
 Architect—P. F. DeMartini, 948 Broadway.
 Owner will take bids within a week.

FLATS Cont. Price, \$12,100
SAN FRANCISCO. Lombard St. near Steiner Street.
 Two-story and basement frame and stucco flats (2 7-room flats with

2 baths, tile and composition roofing, gas heating system, canvas walls and ceilings, Frigidaire, etc.

Owner—O. Landuef.
 Architect—Chas. Strothoff, 2274 15th St., San Francisco.
 Contractor—Severin Steinauer, 755 27th Ave., San Francisco.
Plumbing—Phil Wesendunk, 236 Clement St., San Francisco.
Heating and Sheet Metal—Atlas Heating Co., 507 1st St., San Francisco.
Electric—Richmond Electric Co., 791 7th St., San Francisco.
Roofing—H. & H. Roofing Co., 2734 Army St., San Francisco.
Ornamental Iron—Patterson & Koster, 280 13th St., San Francisco.
Painting—R. P. Paoli, 3159 Fillmore St., San Francisco.
Tiling—Ginsberg Tile Co., 540 Turk St., San Francisco.
Glass—Habernicht & Howlett, 529 Clay St., San Francisco.
Hardwood Floors—New Mission Floor Company.

Contract Awarded.

FLATS Cost, \$12,000
SAN FRANCISCO NE COR. Collingwood and 21st St.
 Two-story and basement frame and stucco flats (one 6-room and one 5-room flats; composition roof, hardwood floors, tile bath, gas hot air heat).
 Owner and Builder—Mr. and Mrs. J. R. Jackson, 441 Jones St.
 Architect—R. R. Irvine, Call Bldg.
 Contractor—Theo. H. Johanns, 741 14th Street.

GARAGES AND SERVICE STATIONS

Construction Started.
ADDITION Cost, \$5000
OAKLAND, Alameda Co., Cal. 26th and Broadway.
 Brick super service station bldg.
 Owner—Standard Oil Co., 225 Bush St., San Francisco.
 Plans by Eng. Dept. of Owner.
 Contractor—Lindgren and Swinerton, Inc., 225 Bush St., San Francisco.

GOVERNMENT WORK AND SUPPLIES

SAN FRANCISCO.—Until July 23, 10 A. M., under Circular No. 928-32-13, bids will be received by Quartermaster Supply Office, San Francisco General Depot, Fort Mason, to furnish and deliver Manila rope. Specifications obtainable from above office.

Commissioned To Prepare Plans.
IMMIGRATION STATION Cost, \$—
HONOLULU, T. H. Immigration Station.
 Owner—United States Government.
 Owner—Herbert C. Clayton, Honolulu, T. H., and C. W. Dickey, consultant, Honolulu.
 Architect—Not Given.

Plans Being Figured—Bids Close August 25, 2:30 P. M.
VETERANS' HOSPITAL Cost, \$—
WALLA WALLA, Washington.
 Erect Subsistence Building, connecting corridors, incinerator and laundry addition and attendant's quarters over garage, etc.
 Owner—United States Government.
 Plans by Construction Division, U. S. Veterans' Bureau, Arlington Bldg., Washington, D. C.

This work will include excavating, reinforced concrete construction, hollow tile, brickwork, artificial stone, cut stone, marble work, floor and wall tile, rubber tile, compressed asphalt tile and linoleum floors, iron work, steel sash, steel stairs, steel shelving and cabinets, slate and built-up roofing, roof ventilators, metal lathing,

plastering, carpentry, insect screens, window shades, painting, glazing, hardware, plumbing, refrigeration, heating and ventilating, electrical work, hydraulic elevator, extensions to fire alarm system, and connections to outside sewer, water, gas, steam and electric distribution systems. Separate bids will be received for (a) General Construction (including the plumbing, heating and electrical work); (b) Refrigeration.

Plans Being Figured—Bids Close Aug. 10, 10 A. M.

PUBLIC BLDGS. Cost, \$—
BOULDER CITY, Nevada. 25 miles southeast of Las Vegas.
 One-story and basement brick municipal building, 40x167 ft. with "L" 42x82 ft.
 Two-story and basement brick Administration Bldg., 54x138 ft.
 One-story brick Dormitory Bldg., "U" shape, developed length 235 ft. and a width of 35 ft. (without basement).

Owner—United States Government.
 Plans by U. S. Bureau of Reclamation, Wilda Bldg., Denver, Colorado.

Bids will be opened by the U. S. Bureau of Reclamation at Las Vegas on August 10. The work is located in Boulder City, Nevada, about 25 miles southeast of Las Vegas, Nevada, which is on the main line of the Los Angeles and Salt Lake Railroad.

The walls will be constructed of common brick, stuccoed on the outside and the roofs will be clay tile. The installation of the plumbing and heating systems will be included in the

Bids Opened.
ELEVATOR Cost, \$—
SAN FRANCISCO. The Presidio.

Install one full automatic push button control, electric passenger elevator in Ward Building G-2 at Letterman General Hospital.

Owner—United States Government.
 Plans by Constructing Quartermaster, Fort Mason.

Following is complete list of bids:
 (1) Self leveling.
 Spencer Elevator Co., 165 7th St., \$4,645.

Otis Elevator Co., \$4,870 (1) \$5,780.
 Pacific Elevator & Equipment Co., \$5,524 (1) \$5,874.

Bids held under advisement.

Plans Being Figured—Bids Close July 25, 10 A. M.

REMODELING Cost, \$—
SAN FRANCISCO. Presidio.
 Remodel Wards B-1 and L-1 Bldgs. Nos. 3 and 17 at Letterman General Hospital (brick construction, new hardware, linoleum floors, plumbing, nurses' call system, radio system, considerable tile work)

Owner—United States Government.
 Plans by Constructing Quartermaster, Fort Mason.

Plans Being Completed—Bids Taken About August 1.

HANGAR Cost, \$—
SUNNYVALE, Santa Clara Co., Cal.
 Hangar, 118-ft. long 180 ft. high, steel trusses on concrete base.

Owner—U. S. Government.
 Plans by Bureau of Yards and Docks, Navy Dept., Washington, D. C.
 The hangar, together with auxiliary construction, will involve an expenditure of between \$1,500,000 and \$1,750,000.

SAN FRANCISCO—Sloms-Helmers, Inc., 206 Sansome St., at \$11.23 cu. yd. submitted low bid to U. S. Engineering Office, San Francisco, for rock removal in San Francisco Bay, involving 39,800 cu. yds. See "Dredging, Harbor Works and Excavations" in this issue for complete list of bids.

WASHINGTON, D. C. — Bids are being received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish materials and equipment to Pacific Coast navy yards and stations, as follows, further information on the Schedules listed being obtainable from the Navy Purchasing Office, 100 Harrison St., San Francisco:

Bids Close July 28

Marine Island, 3 ship lavatories and 60 ship water-closets; sch. 6147.

Marine Island, sheet and pig lead; sch. 6150.

Puget Sound, insulated cable and cord; sch. 6139.

Marine Island, 229 airport glasses; sch. 6164.

Hawthorne, Nev., 1 electric hammer, 1 crimper and beader, 1 pipe former, 1 plain former, 1 box and pan brake, 1 motor driven drilling machine, tools, reamers, etc.; sch. 6119.

Plans Being Figured—Bids Close July 28, 11 A. M.

FLOORING Cost, \$—
SAN FRANCISCO. Fort Scott.

New flooring in Barracks No. 2 (second story).

Owner—United States Government.
Plans by Construction Quartermaster, Fort Mason.

Planned.

REMODEL CLUB Cost, \$—
SAN FRANCISCO. Presidio.

Remodel officers' club (restore to original type of old Spanish architecture with tile roof, etc.)

Owner—United States Government.
Plans by Construction Quartermaster, Fort Mason.

Construction Quartermaster will seek appropriation from Congress to finance construction.

Plans Being Figured—Bids Close July 29, 11 A. M.

STEEL FRAME Cost, \$—
VALLEJO, Solano Co., Cal. Marine Island Navy Yard.

Providing and securing a steel building frame to be erected within the existing brick walls (Buildings 36, 40, 42 and 48 for pipe and copper shop).

Owner—U. S. Government (Specification No. 6629).

Plans by Public Works Officer, Marine Island Navy Yard.

CLE ELUM, Wash. — See "Reservoirs and Dams," this issue. Bids opened by U. S. Reclamation Service, Cle Elum, to construct Cle Elum Dam and clearing the reservoir site.

FORT LEWIS, Wash.—Bids were rejected by the Signal Officer, Headquarters, Ninth Corps Area, Presidio, San Francisco, for construction of complete underground and aerial telephone cable distribution system and installation of one 400-prs., 22-gauge underground and aerial cable, with laterals and terminals at Fort Lewis. New bids will be advertised in one week. On the previous call for bids the following were submitted:

H. C. Moss, Seattle.....	\$13,750
M. C. Murphy, Cleveland, C.....	13,900
E. M. Gilleran, San Francisco.....	13,900
O. G. Ritchie, San Jose.....	14,687
G. M. Gest, San Francisco.....	14,750
Tring Bros., Salt Lake City.....	15,223
NePage-McKenny, Seattle.....	16,525
City Elec. & Fixture Co., Seat tle.....	18,150

SACRAMENTO, Cal.—Until July 21, 3 P. M., under Order No. 3530-Sk.96, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Stockton, San Joaquin County: 1,000 ft. wire rope, uncoated, regular lay, Seales construction $\frac{3}{4}$ -in. dia., plow steel, hemp center, 6 strands, 19 wires to strand.

Type (L) U. S. A. Master Spec. No. 297, dated May, 1925. This rope shall be in one piece, on an individual reel.

SACRAMENTO, Cal.—Until July 21, 3 P. M., under Order No. 3522, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish 1,200 tons rip-rap stone for wing dams. Specifications and further information obtainable from above.

SACRAMENTO, Cal.—Until July 21, 3 P. M., under Order No. 3531-Sac.109, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver:

6,000 ft. triple tape, waterproof, blasting fuse.

500 electric exploders No. 8, with 10 ft. lead wires.

2,000 electric exploders No. 8, with 8 ft. lead wires.

3,500 electric exploders No. 8, with 6 ft. lead wires.

4,000 blasting caps No. 8, for use with fuse.

FORTH WORTH, Texas — Ralph Sollitt & Sons Constr. Co., Chicago, was awarded a contract at \$1,017.00 by Treasury Department on July 9 for the construction (except elevators, dumbwaiter and lighting fixtures) of the U. E. Post Office at Fort Worth, Texas.

SACRAMENTO, Cal.—Until July 23, 3 P. M., under Circular Proposal No. 32-10, Specifications 3385, bids will be received by U. S. Engineer Office, California Fruit Bldg., for drydocking, painting and repairing Barge "U". Specifications and further information obtainable from above.

HALLS AND SOCIETY BUILDINGS

To Take Bids In One Week.

ADDITION Cost, \$30,000
BERKELEY, Alameda Co., Cal. 2001

Allston Way.

Two-story and basement frame and brick addition for gymnasium.

Owner—Y. M. C. A., 2001 Allston Way, Berkeley.

Architect—W. H. Ratcliff, Chamber of Commerce Bldg., Berkeley.

Bids Opened.

MEMORIAL BLDG. Cost, \$17,000
FORT BRAGG, Mendocino Co., Cal.

One-story concrete veterans' memorial bldg. (concrete walls, terra cotta tile roof, maple floors, furnace heat).

Owner—County of Mendocino.

Architect—P. L. Dragon, Mercantile Bank Bldg., Berkeley.

Low Bidder—Edward A. Holmes, Fort Bragg.

Following is a complete list of bids:

(1) terra cotta tile roof; (2) copper roof.

E. A. Holmes, Fort Bragg, (1) \$16,750.

Petaluma Const. Co., Petaluma (1) \$19,400 (2) \$21,300.

David Nordstrom, Oakland, (1) \$19,459 (2) \$22,259.

F. R. Siegrist, San Francisco (1) \$19,777.

N. H. Sjoberg, San Francisco, (1) \$20,886 (2) \$22,659.

J. W. Cobby & Son, San Francisco (1) \$21,868.

Low bid held under advisement.

HOSPITALS

Sub-Bids Being Taken.

BUILDING Cost, \$40,000
SAN FRANCISCO. Joyce and Clay

Streets.

Two-story reinforced concrete building (Chinese style).

Owner—Chinese Y. W. C. A., 897 Sacramento Street.

Architect—Miss Julia Morgan, Merchants' Exchange Bldg.

Contractor—K. E. Parker, 135 South Park.

Painting Bids Wanted—To Be Opened August 11, 10:30 A. M.

ADDITION Cost, \$17,000
OAKLAND, Alameda Co., Calif. 18th

and Poplar Streets.

Addition to detention home.

Owner—County of Alameda.

Architect—H. H. Meyers, Kohl Bldg., San Francisco.

As previously reported, general contract awarded to John E. Branagh, 184 Perry St., Oakland, at \$9,000.

Work Under Way.

REMODEL HOSPITAL Cost, \$7000
SAN FRANCISCO. Post and Scott

Streets.

Alterations to fourth floor of surgical ward.

Owner—Mt. Zion Hospital, Premises.

Plans by Owner.

Contractor—A. F. and C. W. Mattock, 218 Clara St., San Francisco.

July 16, 1931

Bids To Be Opened August 12, 2:30 P. M., for Brick Work, Tile Partitions and Furnishing and Setting of Terra Cotta Cornice, etc.

HEALTH CENTER Cost, \$850,000
(Brick Work, Etc., cost \$80,000)

SAN FRANCISCO. Polk and Grove Streets.

Four-story and basement reinforced concrete class A health center, emergency hospital and office bldg.

Owner—City and County of San Francisco.

Architect—S. Heiman, 57 Post Street.

Structural Engineers—Ellison & Russell, Pacific Bldg.

Bids are being received by S. J. Hester, secretary of the Board of Public Works, for furnishing, fabricating, delivery and erecting structural steel.

A bond of \$20,000 will be required of the successful bidder. Certified check 10% payable to the Clerk of the Board of Supervisors required with the bids.

Plans obtainable from the Bureau of Architecture, 2nd floor, City Hall, on deposit of \$50, returnable.

Bids Opened. Cost, \$—
REMODELING RENO, Nevada.

Remodeling Nevada State Insane Asylum.

Owner—State of Nevada.

Architect—Geo. A. Ferris & Son, Claudianos Bldg., Reno.

Following is a complete list of bids:

McLeran & Co., Hearst Bldg., San Francisco.....\$17,862

Geo. Probosco, Reno.....18,121

Wine & Williams, Reno.....18,390

J. C. Dillard, Reno.....18,497

Roush & Belz, Reno.....22,500

All bids taken under advisement.

Contract Awarded.

REMODELING Cont. Price, \$17,862
RENO, Washoe Co., Nevada.

Remodeling Nevada State Insane Asylum.

Owner—State of Nevada.

Architect—Geo. A. Ferris & Son, Claudianos Bldg., Reno.

Contractor—Ralph McLeran C. O., Hearst Bldg., San Francisco.

Contract Awarded.

ADDITION Cont. Price \$9,000
OAKLAND, Alameda Co., Cal.—18th

and Poplar Sts.

Addition to detention home.

Owner—County of Alameda.

Architect—H. H. Meyers, Kohl Bldg., San Francisco.

Contractor—J. E. Branagh, 184 Perry St., Oakland.

Painting bids were rejected and new bids will be advertised July 14. Win-

low shade bids also rejected but will not be re-advertised.
Complete list of bids published July 1st.

Plans Being Figured—Bids Close Aug. 4, 2:30 P. M.

STERILIZERS Cost, \$—
COLUSA, Colusa Co., Cal.
Furnish sterilizers and still for County Hospital.

Owner—County of Colusa, T. D. Cahn, county clerk.
Architect—O. A. Delchmann, 110 Sutter St., San Francisco.

Certified check 10% payable to the Board of Supervisors of Colusa County required with bid. Specifications on file in office of the clerk and obtainable from the architect.

Window Shade Bids Wanted.
ADDITIONS Cont. price, \$269,837
SAN FRANCISCO, Potrero Ave. bet. 20th and 23rd Streets.

Class A additions on roof of San Francisco Hospital (four wards, brick walls, tile roofing).

Owner—City and County of San Francisco.

Architects—Alfred I. Coffey and Martin J. Rist, associated, Phelan Bldg.

Contractor—Barrett & Hilp, 918 Harrison Street.

Completing Plans.
ADDITION Cont. price, \$15,000

AUBERRY, Fresno Co., Cal.
Frame addition to tubercular sanitarium (20-bed capacity; redwood siding, composition shingle roof, steam heating system, tile floors, baths and showers).

Owner—Fresno County, D. M. Barnwell, county clerk.

Architect—Charles Butner, Glikburg Bldg., Salinas, and Cory Bldg., Fresno.

Bids will be asked about Aug. 1.

Low Bidders.

HOSPITAL UNIT Cost, \$150,000
FRESNO, Fresno Co., Cal.

Crippled Children's and Surgery Bldg. for County Hospital.

Owner—Fresno County, D. M. Barnwell, county clerk.

Architect—Swartz and Ryland, Brix Bldg., Fresno.

General Work
W. J. Cohns, American Trust Co.

Bldg., San Jose.....\$34,120
E. Heffner, Fresno.....35,153

Andy Sordal, Long Beach.....35,885
Brick—J. M. Brown, Clinton Street, Fresno, \$7,880.

Plumbing—Barrett Hicks, 1031 Broadway, Fresno, \$13,699.

Heating—Barrett Hicks, 1031 Broadway, Fresno, \$3,639.

Ventilating—Barrett Hicks, 1931 Broadway, Fresno, \$1,493.

Temperature Control—Barrett Hicks, 1031 Broadway, Fresno, \$3,950.

Electric Work—Valley Electric Co., Power Co. Bldg., Fresno, \$10,900.

Terra Cotta Tile Roofing—W. J. Anderson, 3825 Army St., San Francisco, \$1,636.

Lathing and Plastering—W. G. Gilmore, 666 Mission St., San Francisco, \$8,900.

Millwork—Fresno Planning Mill, H and Monterey Sts., Fresno, \$7,869.

Floor Covering—Van Fleet Frear Co., 557 Howard St., San Francisco, \$2,918.

Elevators—Otis Elevator Co., 1 Bench St., San Francisco, \$6,990.

Tile and Wainscoting—Fresno Marble & Tile Co., 1511 O St., Fresno, \$4,975.

Painting—D. Zelinsky, 165 Grove St., San Francisco, \$4,100.

Commissioned To Prepare Plans.
COUNTY HOSPITAL Cost, \$—
AUBURN, Placer Co., Cal.

Fireproof county hospital unit.
Owner—County of Placer.
Architect—W. E. Coffman, Forum Bldg., Sacramento.

Plans Being Prepared.
HOSPITAL Cost, \$75,000

SALINAS, Monterey Co., Cal.
One-story reinforced concrete hospital (30-bed capacity; steam heating system, tile roof, telephone call system, radios, concrete floors).

Owner—Dr. H. C. Murphy, A and Lincoln Sts., Salinas.

Architect—Kent & Hass, 525 Market St., San Francisco.

Plans will be ready for bids in six weeks.

Bids Opened.
HEALTH CENTER Cost, \$850,000

(Structural Steel, cost \$52,500)
SAN FRANCISCO, Polk and Grove Streets.

Four-story and basement reinforced concrete Class A health center, emergency hospital and office (granite facing).

Owner—City and County of San Francisco.

Architect—S. Heiman, 57 Post St., San Francisco.

Structural Engineers—Ellison & Russell, Pacific Bldg., San Francisco.

Following is a complete list of bids:
(1) All work as per plans and specifications.

(2) Fabrication and delivery to site complete, of all structural steel, including column bases and shop painting, ties, bolts, rivets, etc.

(3) Erection of all structural steel including column bases and field painting.

Golden Gate Iron Works, 1541 Howard St., (1) \$44,893.

Herrick Iron Works (1) \$45,240; (2) \$39,240; (3) \$8860.

McClintic Marshall (1) \$45,500; (2) \$34,300.

Judson Pacific Co., (1) \$46,975; (2) \$35,832.

Pacific Coast Eng. Co. (1) \$46,988; (2) \$6,707; (3) \$10,471.

Dyer Bros. (1) \$47,700; (2) \$38,200.

Moore Drydock Co. (1) \$48,350; (2) \$36,990.

Minneapolis Molin Imp. Co. (1) \$50,810; (2) \$40,740.

J. Gehrig (3) \$10,474.

HOTELS

Contract Awarded.
HOTEL & STORES Cost, \$175,000

SAN FRANCISCO, Market and Laguna Streets.

Seven-story steel frame and concrete hotel building (6 stories, 115 hotel rooms; steam heat, oil burner).

Owner—Allen & Co., 163 Sutter St.

Architect—H. C. Baumann, 251 Kearny Street.

Structural Engineer—Jas. M. Smith, 251 Kearny Street.

Contractor—Cahill Bros., 206 Sansome Street.

LAS VEGAS, Nev.—Virginia Hotel Corp., Wm. McNeil, Las Vegas, has purchased property at the corner of Carson and Fifth Sts., Los Vegas, as a site for a hotel building. It will be a 9-story, reinforced concrete structure, containing 125 guest rooms, dining room, kitchen and gaming casino.

ICE AND COLD STORAGE PLANTS

Construction Under Way.
ICE PLANT Cost, \$35,000

HAYWARD, Alameda Co., Calif. A St. and Southern Pacific tracks.

Reinforced concrete addition to ice plant (3500-ton store room).

Owner—Hayward Ice Co., premises, Plans by Mr. Williamson,

Contractor—W. W. Williamson, 329 Market St., San Francisco.

POWER PLANTS

PASADENA, Cal. — Ingersoll-Rand Co. of Calif., 1460 E-4th St., Los Angeles, at \$59,750 awarded contract by city directors to furnish and install steam condenser at Municipal Light Plant.

REDDING, Shasta Co., Cal.—Pacific Gas & Electric Co., 245 Market Street, San Francisco, has authorized a \$46,000 expenditure on the Redding power plant. The work will consist of rearrangement and consolidation of the Jenny creek substation and the Redding switchboard and substation. This work is to provide for centralization and more efficient operation of the company's electrical equipment serving Redding and the suburban area.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

WOODLAND, Yolo Co., Cal.—City council rejects bids to raze old city hall building as being too high. The work will be undertaken by city forces under the day labor system.

Contract Awarded.
ARMORY Cont. price, \$18,946

YUBA CITY, Sutter Co., Cal.
One-story concrete armory (floor area 7000 sq. ft.).

Owner—State of California.
Architect—Charles Dean, California State Life Bldg., Sacramento.

Contractor—Guth & Fox, 1528 27th St., Sacramento.

The building is one-story with concrete floor and walls, steel and wood roof construction, tile and composition roof.

To Take Electric Bids July 20th.
LEGION BLDG. Cost, \$2,500,000

SAN FRANCISCO, Civic Center.
Four-story and basement concrete class A Legion Building.

OPERA HOUSE Cost, \$2,500,000
Six-story class A opera house, seating capacity, 4000; standing room, 500.

Owner—City and County of San Francisco (S. F. War Memorial).

Architect—G. A. Lambuth, 140 Montgomery St. and Arthur Brown, 251 Kearny St.

Mgrs. of Const.—Lindgren & Swinerton, Inc., 225 Bush St.

Plastering bids will be asked about July 22nd.

Sub-Bids Wanted.
LIBRARY Cost, \$60,000

SAN FRANCISCO, 37th Avenue bet. Geary and Anza Streets.

Two-story reinforced concrete branch library (tile roof, ornamental iron, hot air heat, oil burner).

Owner—City and County of San Francisco, George A. Mullin, Controller and Secretary, Board of Library Trustees.

Architect—John Reid, Jr., 405 Montgomery Street.

Engineer—C. H. Snyder, 251 Kearny Street.

Vogt & Davidson, general contractors, Call Bldg., desire sub-bids in connection with above, for which general contract bids are to be opened July 20th, 2:30 P. M.

MODESTO, Stanislaus Co., Calif.—City Engineer Frank J. Rossi has recommended to the city council the erection of a new city hall. Under the present housing system the offices are "very inconvenient" for employees and the public.

LAS VEGAS, Nev.—Clark County Commissioners are considering suggestions for erecting a new county jail at Las Vegas. Whether a second story will be added to the existing court house for the jail or an entirely new building erected has not been determined. Permission to sell bonds in the sum of \$150,000 to finance the project was passed at the last session of the Nevada state legislature. Several architects have submitted sketches for various types of buildings.

RESIDENCES

Sub-Contracts Awarded.
RESIDENCE Cost, \$—
OAKLAND, Alameda Co., Cal. Brookdale and Best Avenues.

One-story and basement frame and stucco residence (6 rooms).

Owner and Builder—Ernest W. Urch, 5740 Ivanhoe Road, Oakland.

Architect—Not Given.

Concrete—Reichel and Bredhoff, 1555 Central Ave., Alameda.

Plumbing—Ambrose Bros., 205 Chumalia Ave., San Leandro.

Brick—E. F. Morgan, 2205 84th Ave., Oakland.

Sheet Metal—M. C. Henry, 1183 53rd St., Oakland.

Roofing—Edgar Elliott, 3687 Greenacre Road, Oakland.

Heating—H. K. Flowers, 5437 Thomas St., Oakland.

Electric Fixtures—E. L. Reed, 2836 76th Ave., Oakland.

Bids wanted on tile work, painting, plastering, sash and doors, millwork and flat cement work.

Contract Awarded.
RESIDENCE Cost, \$—
BERKELEY, Alameda Co., Cal. 1815 Vine Street.

One-story and basement frame and stucco residence (5 rooms).

Owner—Mrs. L. D. Saunders.

Architect—Gwynne Officer, 2328 Warring, Berkeley.

Contractor—Geo. J. Maurer, 50 York Drive, Oakland.

Contract Awarded.
RESIDENCE Cost, \$9500
BERKELEY, Alameda Co., Cal. Martin Kellogg Tract.

Two-story and basement frame and stucco residence.

Owner—H. and M. Haaf, 2102 Addison St., Berkeley.

Architect—E. L. Snyder, 2102 Addison St., Berkeley.

Contractor—Geo. Windsor, 928 Kingstontown, Piedmont.

Plumbing Contract Awarded.

RESIDENCES Cost \$5800 to \$7000
BURLINGAME, San Mateo Co., Cal. Palm Drive and Oak Grove Ave.

Twenty-two one-story and basement frame and stucco residences (six rooms, English type, gas furnace, shingle roof, hardwood floors, tile kitchen and bath).

Owner and Builder—George W. Williams Co., 315 Primrose Rd., Burlingame.

Architect—John K. Ballantine, Jr., 137 Harlan, San Francisco.

Plumbing—Frank J. Regan, 245 California Drive, Burlingame.

Sub-bids are being taken on other portions of the work.

Plans Being Figured—Bids Close July 29, 3 P. M.

RESIDENCE Cost, \$7500
LOS GATOS, Santa Clara Co., Cal.

One-story and basement frame and stucco residence (6 rooms; Spanish type).

Owner—W. L. Cottmire.

Architect—Charles McKenzie, Twohy Bldg., San Jose.

Tile roof, hot air heating system, oil burning equipment.

Contract Awarded.
RESIDENCE Cost, \$15,127
CARMEL, Monterey Co., Cal. Hatton Fields.

One-story frame and stucco residence (Spanish type); shake roof.

Owner—P. H. Coolidge, Hatton Fields Carmel.

Architect—Not Given.

Contractor—Hugh W. Comstock, Carmel.

Construction Postponed.
RESIDENCE Cost, \$10,000
OAKLAND, Alameda Co., Cal. SW

Trestle Glen Road and Norwood Avenue.

Two-story and basement frame and stucco residence (8 rooms and 2 baths).

Owner—O. E. Nelson.

Architect—Willis Lowe, 354 Hobart St., Oakland.

Composition roofing and gas furnace

Being Done By Day's Work.
RESIDENCE Cost, \$20,000
OAKLAND, Alameda Co., Cal. Claremont Pines.

Two-story and basement frame, stucco and brick veneer; shingle tile roof; redwood paneling; hot air or steam heat; electric refrigeration; hardwood floors).

Owner—Roy C. Hackley.

Architect—Masten & Hurd, 210 Post St., San Francisco.

Architects have charge of construction and are taking bids as the work progresses.

Sub-Contracts Awarded.
RESIDENCE Cost, \$30,000
HILLSBOROUGH, San Mateo Co., Cal. South Down and Black Mountain Road.

Two-story and basement frame and stucco residence (12 rooms and 6 baths; social hall).

Owner and Builder—A. E. Albertone, 167 40th St., Oakland (Telephone

Piedmont 3292).

Plans by T. Moore, 58 Lake Avenue, Piedmont.

Lumber—Smith Lumber Co., 4th and Channel Sts., San Francisco.

Concrete—H. E. Casey, Spring Valley Road, San Mateo.

Tile Roof—C. Gilbert, Oakland.

Steel Sash—East Bay Glass Co., 621 6th St., Oakland.

Glass and Glazing—East Bay Glass Co., 621 6th St., Oakland.

Sub-bids are wanted on plastering, tile work, hardwood floors, painting, ornamental iron work, mill work and cabinets and hardwood.

Plans Being Re-Checked.
RESIDENCES Cost \$25,000 to \$50,000
HILLSBOROUGH, San Mateo Co., Cal. South Downs and Black Mountain Road.

Six two-story and basement stucco and tile residences (12 and 15 rooms, 6 and 7 baths; luxurious fittings; landscaping; garages).

Owner and Builder—A. E. Albertone, 167 40th St., Oakland (Telephone

Piedmont 3292).

Plans by T. Moore, 58 Lake Avenue, Piedmont.

Sub-bids will be taken about August 2 at which time construction will start.

Concrete Bids Wanted.
RESIDENCE Cost, \$10,197
SAN FRANCISCO. No. 1 Villamar Avenue.

Two-story and basement frame and stucco residence (8 rooms and 2 baths, Italian style, hot air heating, gas furnace, tile roof, ornamental iron).

Owner—D. V. H. Podstawa.

Architect—John E. Dinwiddie, Balboa Bldg., San Francisco.

Contractor—Strehlow & La Vole, Central and Webster Sts., Alameda.

Sub-Bids Wanted.
RESIDENCE Cost, \$10,000
BERKELEY, Alameda Co., Cal. Claremont District.

Two-story and basement English style residence (8 rooms and 2 baths).

Owner—J. E. Dinwiddie, 2816 Prince St., Berkeley.

Plans by Owner.

Strehlow & LaVole, general contractors, 600 Central Ave., Alameda (Ala. 3157 M) desire sub-bids on all portions of the work in connection with above for which general bids will be opened July 22.

Contract Awarded.
RESIDENCE Cost, \$15,000
OAKLAND, Alameda Co., Cal. Stonewall Road.

Two-story and basement frame and stucco residence (7 rooms and 4 baths, hardwood floors and trim, hot air heating system).

Owner—H. V. Colby, 3835 Jackson St., San Francisco.

Architect—W. W. Wurster, 260 California St., San Francisco.

Contractor—Emil Ferguson, 829 San Luis Road, Berkeley.

Construction Under Way.
REMODELING Cost, \$—
SAN FRANCISCO. 2423 Leavenworth Street.

Remodel two-story frame residence (shingle exterior).

Owner—M. C. Leventritt, 1155 Jones Street.

Architect—W. S. Wellington, 210 Post Street.

Contractor—William Livingston, care owner.

Segregated Bids Being Taken.
RESIDENCE Cost, \$5000
LOS ALTOS, Santa Clara Co., Cal.

One-story frame and stucco bungalow (5 rooms, shingle roof, hardwood floors).

Owner—Mr. and Mrs. Floyd Gray.

Architects—Keefer & Herberger, 3281 Lakeshore Blvd., Oakland.

Sub-Bids Wanted.
RESIDENCE Cost, \$50,000
HILLSBOROUGH, San Mateo Co., Cal.

Two-story frame and stucco residence.

Owner—G. Lachman, Mission and 16th Sts., San Francisco.

Architect—Hyman & Appleton, 68 Post St., San Francisco.

A. F. & C. W. Mattock, 212 Clara St., San Francisco, general contractors, desire sub-bids on all branches of the work in connection with above.

Bids Being Taken From Selected List of Contractors.
RESIDENCE Cost, \$13,000
SAN CARLOS, San Mateo Co., Calif.

Two-story and basement frame and stucco residence (11 rooms and 4 baths, tile roof, gas hot air heating system).

Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.

Architect—Edward A. Eames, 353 Sacramento St., San Francisco.

Rev. Harold Crampton, pastor.

Contract Awarded.
RESIDENCE Cont. price, \$16,000
OAKLAND, Alameda Co., Cal. Claremont District.

Two-story and basement frame and stucco residence (9 rooms and 3 baths; hardwood floors, tile baths, gas hot air furnace, electric refrigerator).

Owner—W. S. Andrews, 260 California St., San Francisco.

Architect—Raymond Jeans, 605 Market St., San Francisco.

Contractor—Herbert K. Schulz, 811 Mendocino Ave., Oakland.

Bids Rejected-New Bids Being Taken
RESIDENCE Cost, \$10,000
OAKLAND, Alameda Co., Cal. Lakeshore Highlands.

Two-story and basement frame and stucco residence (Spanish style; 8 rooms, 3 baths; tile roof; hot air heating).

Owner—East Bay Title Insurance Co. 1430 Franklin St., Oakland.

Architect—Wm. E. Schirmer, 700 21st Street, Oakland.

Following contractors will submit bids: G. H. Wendt, 2116 Allston Way, Berkeley; Thos. Furlong, 460 Jerome Ave., Oakland; C. H. Thrmas; Jensen & Pedersen, 3443 Adeline St., Oakland; George Swanstrom, 1723 Webster St., Oakland; Fred J. Westlund; S. J. Bertelsen, 30 Estrella Ave., Oakland.

Sub-Bids Being Taken.
RESIDENCE Cost each, \$6000
SAN FRANCISCO 34th Avenue and Wawona Street.

Two 1-story and basement frame and stucco residences (6 rooms each; tile and composition roofing, gas hot air heating system, hardwood floors and trim, tile baths and kitchens).

Owner and Builder—Emil Peterson, 724 Bellevue Ave.

Architect—Not Given.

Sub Bids Wanted.
RESIDENCE Cost, \$5500
SAN FRANCISCO 40th Avenue and Judah Street.

One-story frame and stucco residence (6 rooms).

Owner—E. Vigen, Hilcrest Ave., Milbrae.

Private plans.
Owner will be ready for figures in about one week.

Plans Being Figured.
RESIDENCE Cost, \$—
BERKELEY, Alameda Co., Cal. Regal Road.

Two-story and basement frame and stucco residence (6 rooms); gas heating system, shingle roof, hardwood floors, tile bath and kitchen.

Owner—J. W. Walker.
Architect—John Hudson Thomas, Mercantile Bank Bldg., Berkeley.

Contract Awarded.
RESIDENCE Cont. price, \$10,600
SEBASTOPOL, Sonoma Co., Cal.

Two-story and basement frame and stucco residence (8 rooms, 2 baths)

Owner—Chas. Meyer, Sebastopol.

Architect—Wm. Herbert, Rosenberg Bldg., Santa Rosa.

Contractor—E. Ahlstrom, 740 5th St., Santa Rosa.

Plans Being Figured.
RESIDENCE Cost, \$10,000
SONORA, Tuolumne Co., Cal.

Two-story and basement frame and stucco residence (Spanish style; 8 rooms, 2 baths; hot air heating, hardwood floors, tile roof, ornamental iron, tile baths).

Owner—W. L. Price, Sonora.

Architect—G. H. Nilburn, Elks Bldg., Modesto.

Preparing Working Drawings.
RESIDENCE Cost, \$12,500
SAN FRANCISCO, Seaciff District.

Two-story and basement frame and stucco residence (9 rooms, 4 baths tile roof, hot air heating system).

Owner—Withheld.

Architect—John E. Dinwiddie, Balboa Building, San Francisco.

Plans will be ready for bids in about thirty days.

Prospective Bidders.
RESIDENCE Cost, \$50,000
HILLSBOROUGH, San Mateo Co., Cal.

Two-story frame and stucco residence.

Owner—G. Lachman, Mission and 16th Sts., San Francisco.

Architect—Hyman & Appleton, 68 Post St., San Francisco.

Following is a partial list of the contractors who will submit bids:

Taylor & Jackson, 290 Tehama St., San Francisco.

J. Harold Johnson, Hearst Building, San Francisco.

Young & Horstmeier, 461 Market St., San Francisco.

A. F. & C. W. Mattock, 212 Clara St., San Francisco.

Preparing Plans.
RESIDENCES Cost \$4,500 & \$6,500
YOSEMITE PARK, Mariposa Co., Cal.

Two 1-story frame residences.

Owner—U. S. Government.

Plans by National Park Service, 525 Market St., San Francisco.

Work will be done by day's labor.

Contract Awarded.
RESIDENCE Cost, \$6250
SAN RAFAEL, Marin Co., Cal.

One-story and basement frame and stucco residence (5 rooms).

Owner—J. H. Campion, 850 4th St., San Rafael.

Architect—Chas. Strothoff, 2274 15th St., San Francisco.

Contractor—M. H. Vanderbilt, 115 N St., San Rafael.

Plumbing Contract Awarded.
RESIDENCE Cost, \$18,000
SAN FRANCISCO Marina Blvd. and Divisadero St.

Two-story and basement frame and stucco residence (9 rooms and 4 baths).

Owner—R. R. Orella.

Architect—Chas. Strothoff, 2274 15th Street.

Contractor—Young & Horstmeier, 461 Market St.

Plumbing—W. E. Trousdale, 422 Turk Street.

Other awards reported July 1, 1931.

Preparing Working Drawings.
RESIDENCE Cost, \$70,000
PIEDMONT, Alameda Co., Cal. Piedmont Estates.

Two-story and basement frame and stucco residence (Italian style, tile roof, ornamental iron, marble, gas heat, vapor system, landscaping).

Owner—R. K. Ham, Latham Square Bldg., Oakland.

Architects—Noble and Archie T. Newsum, Russ Bldg., San Francisco.

Plans will be ready for bids in 30 days.

Low Bidder.
ALTERATIONS Cost, \$2500
PIEDMONT, Alameda Co., Calif. 16 Wildwood Avenue.

Remodeling and addition to residence.

Owner—W. J. Gardner, 16 Wildwood Gardens Ave., Piedmont.

Architects—Noble and Archie T. Newsum, Russ Bldg., San Francisco.

Low Bidder—A. Cedarborg, 1465 Excelsior Ave., Fruitvale.

SCHOOLS

VISALIA, Tulare Co., Cal.—Until July 29, 7:30 P. M., bids will be received by E. E. Baker, Clerk, Visalia Union High School District, to furnish and install school desks and chairs, as follows:

150 desks with study top installed in study hall of new classroom building.

150 tablet arm chairs installed in new classroom building.

6 single pedestal teachers' desks.

Sample must accompany bids. Certified check 10% required with bid.

STOCKTON, San Joaquin Co., Cal.—Until August 4, 7:30 P. M., bids will be received by Ansel S. Williams, Secretary, Board of Education, to

furnish vacuum pump for Stockton High School. Certified check for \$50 required with bid. Specifications obtainable from the Superintendent of School, San Joaquin and Lindsay Sts., on request.

Bids Opened.
ADDITION Cost, \$142,000
SAN FRANCISCO Claremont Blvd. and Taraval Street.

Addition to two-story Class B reinforced concrete school (12 classrooms, small auditorium; extend steam heating system; West Portal).

Owner—City and County of San Francisco.

Architect—Dodge Riedy, Pacific Bldg., San Francisco.

Following is a complete list of bids:

General Work	
J. Harold Johnson, Hearst Bldg., San Francisco	\$106,873
G. P. W. Jensen	107,700
Mission Concrete Co.	108,300
H. L. Peterson	109,337
Anderson & Ringrose	109,200
H. H. Larsen Co.	109,870
F. C. Amoroso & Son	110,490
Monson Bros.	112,750
A. Nelson	113,000
Larsen & Larsen	115,200
MacDonald & Kahn	115,499
P. F. Riley and J. Grace	116,137
J. L. McLaughlin Co.	116,149
R. C. Stickle, So San Francisco	119,913

Electrical	
Lynn & Droyt	\$7245
L. Flatland	7410
Alta Electric Co.	7495
C. A. Langlais	7739
Crown Electric Co.	7989
Atlas Electric Co.	8304
E. F. Dowd	8492

Mechanical Equipment	
J. A. Nelson, 10th and Howard Sts., San Francisco	\$ 7,521
Scott Co.	8,167
T. E. Douglass	8,450
C. Peterson	8,915
Herman Lawson	9,100
F. W. Snook	9,558
O'Mara & Stewart	10,490

Plumbing	
O'Mara & Stewart 213 Clara St., San Francisco	\$5400
J. H. Pinkerton	5483
F. W. Snook	5758
Scott Co.	5817
H. Lawson	5950
T. Skelley	6252
C. Peterson	6788

Bids held under advisement.
Complete list of unit bids available from this office by those interested.

Bonds Voted To Finance.
ADDITIONS Cost, \$34,000
DEL MONTE, Monterey Co., Cal.
Additions to Seaside Grammar School.
Owner—Del Monte Grammar School District.

Architect—Swartz & Ryland, Spazier Bldg., Monterey.

Contract Awarded.
ALTERATIONS Cost, \$—
SAN RAFAEL, Marin Co., Cal.
Alterations for auditorium to Coleman School.

Owner—San Rafael School Dist., Oliver R. Hartzell, secretary, Board of Education, High School, San Rafael.

Architect—N. W. Sexton, deYoung Bldg., San Francisco.

Contractor—Otis Smith, Freitas Bldg., San Rafael.

NEWMAN, Stanislaus Co., Calif.—L. McAuley, Crows Landing, at \$1,200 awarded contract by Orestimba Union High School District to furnish 245 square yards, more or less, of linoleum. Simon Newman Co., Newman, at \$1,274.24 only other bidder.

Contract Awarded.
IMPROVEMENTS Cont. price, \$5,991
RICHMOND, Contra Costa Co., Cal.
Miscellaneous construction and re-
modeling at stage, Farmmount,
Lincoln and Harding Schools.
Owner—Richmond School District, W.
T. Helms, Sec'y, Board of Educa-
tion.
Architect—James T. Nabett, 466 31st
St., Richmond.
Contractor—Tandy & Thels, Richmond

Preparing Plans.
SCHOOL BLDG. Cost, \$40,000
SACRAMENTO, Sacramento Co., Cal.
34th and W Streets.
One-story brick and steel manual
training quarters for high school
(mill construction roof).
Owner—City of Sacramento School
Dist., Chas. Hughes, superintendent,
Board of Education.
Architect—Jens C. Petersen, 826 26th
St., Sacramento.

Contract Awarded.
REMODELING Cont. price, \$2,280
SPRINGFIELD, Monterey Co., Cal.
Alterations and additions to school.
Owner—Springfield School District, F.
W. Giberson, clerk.
Architect—Butner and Stranahan (C.
E. Butner), Glikbarg Bldg., Salinas.
Contractor—R. Peterson, Watsonville.
Following is a complete list of bids:
R. Peterson, Watsonville \$2,280
W. E. Green, Salinas 2,640
J. Boyd, Salinas 2,975
Fred. Carlsen, Salinas 2,980

Contract Awarded.
FENCING Cont. price, \$750
FRESNO, Fresno Co., Calif.
Furnish and install fencing on Tulare
St. side of the Theodore Roosevelt
High School and completion of the
fence on the north side of the T.
L. Heaton School grounds.
Owner—Fresno School District, L. L.
Smith, Secretary, Board of Educa-
tion, 2425 Fresno St., Fresno.
Contractor—Standard Fence Co., 60th
and Lowell Sts., Oakland.
Architect—Not Given.

Date of Opening Bids Postponed Until
July 21, 5 P. M.
GYMNASIUM (1st unit) Cost, \$20,000
CHICO, Butte Co., Cal.
One-story brick gymnasium (composition
roof, steam heating system
showers, lockers and steel sash).
Owner—Chico Union High School Dist.
Architect—Cole & Brouhard, 1st National
Bank Bldg., Chico.
Certified check 5% payable to the
Secretary of the Chico High School
District required with bid. Plans ob-
tainable from the architects on de-
posit of \$10, returnable.

As previously reported, following
contractors have secured plans:
F. H. Betz, 1017 43rd St., Sacra-
mento.
Gene Kenyon, Sacramento.
Chas. Unger, 4532 T St., Sacramento.
Merritt Evans, Chico.
David Nordstrom, 15 Nace St., Oak-
land.
J. P. Brennan, Redding.
Wm. J. Shalz, Chico.
A. Frederick Anderson, 1093 Long-
ridge Road, Oakland.
Bids were reported previously to be
opened July 14.

Sub-Bids Wanted.
SCHOOL Cost, \$85,000
ST. HELENA, Napa Co., Cal.
One-story reinforced concrete gram-
mar school (eight classrooms and
auditorium).
Owner—St. Helena Grammar School
District.
Architect—Wolfe and Higgins, Realty
Bldg., San Jose.
Oliver S. Almlie, 60 Sussex St., San

Francisco. (Delaware 2094) general
contractor, desires sub-bids on all
branches of the work in connection
with above, for which general con-
tract bids are to be opened July 14,
5 P. M.
To Ask Bids Shortly.
HEATING, ETC. Cost, \$—
SANTA ROSA, Sonoma Co., Cal.
Heating, electrical wiring and special
fixtures for school.
Owner—Santa Rosa Junior College
District.
Architect—W. H. Weeks, 525 Market
St., San Francisco.

NEWMAN, Stanislaus Co., Calif.—
Worley Co. Bldg. Calif., at \$497.50
awarded contract by Orestimba Union
High School District to furnish 200,
more or less, lockers for the high
school plant. Complete list of bids
follows:
C. F. Weber & Co., S. F. \$133.90
Berger Mfg. Co., Los Angeles... 443.00
Worley & Co., Chico 497.50
All-Steel Equipment Co., S. F. 583.10

Contract Awarded.
HEATING PLANT Cost, \$853
RIVERBANK, Stanislaus Co., Cal.
Furnish and install natural gas heat-
ing plant in grammar school.
Owner—Riverbank Grammar School
Dist., Lula M. Marrs, clerk, River-
bank.
Architect—Not Given.
Contractor—Fraser Furnace Company,
Stockton.
D. R. Hoffman, Modesto, submitted
only other bid at \$867.

Plans Being Figured.
HEATING SYSTEM Cost, \$—
MARTINEZ, Contra Costa Co., Cal.
(Alhambra High School).
Heating system for high school.
Owner—Alhambra Union High School
District.
Architect—W. H. Weeks, 525 Market
St., San Francisco.

Contract Awarded.
SCHOOL ANNEX Cost, \$6,170
EUREKA, Humboldt Co., Cal.
Two-classroom annex to Lincoln Pri-
mary School.
Owner—Eureka Grammar School Dis-
trict, Geo. B. Albee, City Supt. of
Schools.
Architect—Not Given.
Contractor—Halsby & Lax, Eureka.

To Take Bids In Two Weeks.
SCHOOL Cost, \$100,000
REDWOOD CITY, San Mateo Co., Cal.
NE Katherine and Grand Sts.

Two-story concrete school (Spanish
type) the roof, gas heating sys-
tem (ten classrooms, clubhouse,
auditorium and cafeteria).
Owner—Roman Catholic Archbishop of
San Francisco, 1100 Franklin St.,
San Francisco.
Architect—H. A. Minton, 525 Market
St., San Francisco.

Plans Being Figured—Bids Close July
27, 11 A. M.
SCHOOL Cost, \$20,000
ALPINE, San Joaquin Co., Cal.
One-story and basement school (four
rooms, brick construction; steam
heat; tile roof).
Owner—Alpine School District., L. K.
Marshall, clerk.
Architect—Davis-Pearce Co., 47 North
Grant St., Stockton.
Certified check or bid bond 10% re-
quired with bid. Plans obtainable from
the architects on deposit of \$25, re-
turnable.

Bid Opening Date Extended From
July 11 to July 23, 7:30 P. M.
SCHOOL Cost, \$12,000
PORT BRAGG, Mendocino Co., Cal.
Leggett Valley.
One-story frame school (4 classrooms,
auditorium and offices).
Owner—Port Bragg Union High School
District, J. J. Tallman, clerk, Ft.
Bragg.
Architect—Norman R. Coulter, 46
Kenry St., San Francisco.
Certified check or bond 10% re-
quired with bid. Plans obtainable from clerk
or architect on deposit of \$10, return-
able.

Contract Awarded.
ALTERATIONS Cont. Price \$16,980
OAKLAND, Alameda Co., Cal. Tenth
St. near Peralta St. (St. Patrick's
School).
Alteration and additions to two-story
frame and stucco school.
Owner—Roman Catholic Archbishop,
1100 Franklin St., San Francisco.
Architect—Albert J. Loubet, 167 Hill-
crest Road, Berkeley.
Contractor—Chas. McCullough, 1634
Piedmont Way, Berkeley.

To Ask Bids In Ten Days.
SCHOOL & HOME Cost, \$200,000
SAN FRANCISCO. Silver Avenue.
Four-story reinforced concrete girls'
school and home.
Owner—Roman Catholic Archbishop of
San Francisco, 1100 Franklin St.
Architect—H. A. Minton, 525 Market
Street.

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Sub-Contracts Awarded.
ADDITION Cost, \$5797
SALINAS, Monterey Co., Cal.
 Alterations and extensions to girls' shower rooms in girls' gymnasium at high school.
Owner—Salinas Union High School District, Melrose Martin, clerk.
Architect—Swartz & Ryland, Salinas National Bank Bldg., Salinas.
Plumbing, Heating and Sheet Metal—Anderson & Dougherty, Salinas.
Electric—Salinas Electric Works, 272 Main St., Salinas.
Millwork—Salinas Planing Mill, 64 Market St., Salinas.
Reinforcing Steel—Central Supply Co. Vale St., Salinas.
Painting—Ralph Thimrin, Salinas.
Metal Partitions—Dwan & Co., 534 6th St., San Francisco.
Tiling—Murin Tile and Mantel Co., Monterey.
Lumber and Tile Roofing—Tyman Lbr. Co., E Alisal St., Salinas.

Plans Being Figured—Bids Close July 24, 7 P. M.
HEATING SYSTEM Cost, \$—
MARTINEZ, Contra Costa Co., Calif. (Alhambra High School).
 Heating system for high school.
Owner—Alhambra Union High School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
 Certified check 10% payable to P. D. Butcher, clerk, required with bid. Plans on file in office of the clerk at Martinez and the office of the Principal at the high school are obtainable from the architects.

Contract Awarded.
SCHOOL ADDITION Cost, \$—
BERKELEY, Alameda Co., Cal.
 One-story hollow tile addition to school (auditorium and lecture hall) tar and gravel roof, steel sash.
Owner—Williams Junior College.
Architect—John Hudson Thomas, Mercantile Bank Bldg., Berkeley.
Contractor—Clarence O. Bradhoff, 911 55th St., Oakland.

Contract Awarded.
ADDITION Cost, \$2850
LINCOLN, Placer Co., Cal.
 One-classroom addition to one-story stucco and hollow tile school bldg.
Owner—Lincoln Elementary School District.
Architect—Starks & Flanders, 714 Forum Bldg., Sacramento.
Contractor—Harry Brindle, Sacramento.
 Following is a complete list of bids:
 Harry Brindle, Sacramento.....\$2850
 Eugent Kenyon, Sacramento.....3250
 P. F. Bender, Sacramento.....3350
 G. W. Kopp, Sacramento.....3700

Low Bidder.
ALTERATIONS Cost, \$—
SAN RAFAEL, Marin Co., Cal.
 Alterations for auditorium to Coleman School.
Owner—San Rafael School District, Oliver R. Hartzell, Secretary, Bd. of Education.
Architect—N. W. Sexton, deYoung Bldg., San Francisco.
Low Bidder—Otis Smith, Freitas Bldg., San Rafael.

Prospective Bidders.
SCHOOL Cost, \$9000
NORTH SACRAMENTO, Sacramento Co., Cal.
 One-story brick veneer school (two classrooms; tile or composition roofing).
Owner—North Sacramento Grammar School District.
Architect—Paul Dragon & C. Schmidt, Mercantile Bank Bldg., Berkeley.
 Following is partial list of contractors:

David Nordstrom, 15 Nace St., Oakland.
 Gene Kenyon, West Sacramento.
 P. F. Bender, 1012 Del Paso Blvd., Sacramento.
 W. E. Hayen, Rt. 7, Box 4415, Sacramento.
 Bids are to be opened July 16, 8 P. M.

Sub-Bids Wanted.
ADDITION Cost, \$142,000
SAN FRANCISCO, Claremont Blvd. and Taraval Street.
 Addition to 2-story class B reinforced concrete school (12 classrooms, small auditorium; extend steam heating system; West Portal).
Owner—City and County of San Francisco.
Architect—Dodge Riedy, Pacific Bldg. F. C. Amoroso & Sons, Wallace and Keith Sts., general contractors, desire sub-bids in connection with the above for which general bids are to be opened July 15, 2:30 P. M.

Plumbing Contract Awarded.
SCHOOL Cost, \$80,000
SAN FRANCISCO, Sixteenth and Dolores Streets.
 Two-story and basement reinforced concrete and steel frame parochial school.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St.
Architect—H. A. Minton, Underwood Building.
Engineer—L. H. Nishkian, 525 Market Street.
Mechanical Engineers—Leland & Haley, 58 Sutter St.
Contractor—Cahill Bros., 206 Sansome Street.
 Will be known as Mission Dolores School. Father John Sullivan is pastor of Mission Dolores Church.
Plumbing—W. J. Forster, 355 4th St., \$3,620.

Plans Being Figured—Bids Close July 25, 2 P. M.
SCHOOL Cost, \$30,000
PISMO, San Luis Obispo Co., Cal.
 One-story brick school (3 classrooms, auditorium and kitchen).
Owner—Pismo Elementary School District, Pismo.
Architect—Louis N. Crawford, Gibson-Drexel Bldg., Santa Maria.
 Certified check 5% required with bid. Plans obtained from the architect.
Bids Wanted—To Close July 27, 8 P. M.
SPECIAL FIXTURES Cost, \$—
HOLLISTER, San Benito Co., Cal.
 Special fixtures for school.
Owner—Hollister School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.

Sub-Contracts Awarded.
ADDITION Cost, \$—
CHICO, Butte Co., Cal.
 One-story brick assembly hall addition owned by State of California.
 Plans by State Department of Public Works, Division of Architecture, Geo. B. McDougall, state architect Public Works Bldg., Sacramento.
Contractor—A. F. Anderson, 1993 Longridge Road, Oakland.
Lumber & Millwork—Diamond Match Co., Chico.
Structural and Ornamental Steel—Schneider Iron Works, 1247 Harrison St., San Francisco.
Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Streets, San Francisco.
Roofing—Nash Roofing Co., Chico.
Sheet Metal—Hall Sheet Metal Works, Chico.
Glass—W. P. Fuller & Co., 1013 12th St., Sacramento.
 Bids are wanted on painting.

Contract Awarded.
LUNCH ROOM Cost, Price, \$6442
RICHMOND, Contra Costa Co., Cal.
 One-story frame and brick outdoor lunch room for school unit (36x 81 feet).
Owner—Richmond Union High School District, W. T. Helms, Secretary.
Architect—James T. Narbett, 466 31st St., Richmond.
Contractor—Johnson & Wolfe, Richmond.

Sub-Bids Wanted.
GYMNASIUM (1st unit) Cost, \$20,000
CHICO, Butte Co., Cal.
 One-story brick gymnasium (composition roof, steam heating system, showers, lockers, steel sash).
Owner—Chico Union High School Dist.
Architect—Cole & Brouhard, 1st National Bank Bldg., Chico.
 A. Frederick Anderson, 303 Olive St., Chico, and 1993 Longridge Road, Oakland, general contractor, desires sub-bids in connection with above for which general bids are to be opened July 22, 5 P. M.

Plans Being Figured—Bids Close July 24, 8 P. M.
SCHOOL REPAIRS Cost, \$—
RIO VISTA, Solano Co., Calif.
 Repair, alter and remodel gymnasium building.
Owner—Rio Vista Joint Union High School District, Elizabeth H. McCormack, clerk.
Architect—Frederick S. Harrison, Peoples Bank Bldg., Sacramento.
 Certified check or bid bond 10% payable to district required with bid. Plans on file at office of clerk and obtainable from the architect.

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Contract Awarded.

ADDITION Contract price, \$1400
SAN RAFAEL, Marin Co., Cal.
 Completion of a classroom at Laurel
 Dell School.

Owner—San Rafael School Dist., Oliver H. Hartzell, secretary, Board of Education, High School, San Rafael.

Architect—N. W. Sexton, deYoung Bldg., San Francisco.

Contractor—D. H. Ferrero, 31 Belle Ave., San Anselmo.

BERKELEY, Alameda Co., Calif.—Until July 27, 5 P. M., bids will be received by Clara F. Andrews, secretary, Board of Education, 2825 Milvia St., for the following improvements on school grounds:

(1) Erect and construct fence at Columbus School in south side of Allison Way, between 7th and 8th Sts.

(2) Erect and construct fence at Emerson School Playground in east side of Piedmont Ave. bet. Forest Ave. and Garber St.

(3) Erect and construct fence on Garfield School grounds in Hopkins St. between Rose and Josephine Sts.

(4) Erect and construct fence on Jefferson School grounds in the block bounded by Rose, Sacramento, Ada and Acton Sts.

(5) Grading, paving and concrete work for the Emerson School in the east side of Piedmont Ave. between Forest Ave. and Garber St.,

(6) Grading and paving a portion of the upper playground and grading sidewalk area along south side of Hopkins St. of the Garfield School grounds in the block bounded by Rose Grant, Josephine and Hopkins Sts.

(7) Grading, paving and concrete work and moving of buildings for the Jefferson School playgrounds, located in the block bounded by Rose, Sacramento, Ada and Acton Sts.

Certified check 10% payable to the Berkeley School District of Alameda County required with bid. Plans obtainable from the secretary on deposit of \$5, returnable.

Date Of Opening Bids Postponed Until July 22, 5 P. M.

GYMNASIUM (1st unit) Cost, \$20,000
CHICO, Butte Co., Cal.

One-story brick gymnasium (composition roof, steam heating system, showers, lockers, steel sash).

Owner—Chico Union High School Dist. Architect—Cole & Brouhard, 1st National Bldg., Chico.

Certified check 5% payable to the Secretary of the Chico High School District required with bid. Plans obtainable from the architects on deposit of \$10, returnable.

As previously reported, following contractors have secured plans:

F. H. Betz, 1017 43rd St., Sacramento.

Gene Kenyon, Sacramento.

Chas. Unger, 4523 T St., Sacramento.

Merritt Evans, Chico.

David Nordstrom, 15 Nace St., Oakland.

J. P. Brennan, Redding.

Wm. J. Shalz, Chico.

A. Frederick Anderson, 1093 Longridge Road, Oakland.

Prospective Bidders.

SCHOOL Cost, \$20,000
ALPINE, San Joaquin Co., Cal.

One-story and basement school (four rooms; brick construction; steam heat; tile roof).

Owner—Alpine School District, L. K. Marshall, clerk.

Architect—Davis-Pearce Co., 47 North Grant St., Stockton.

Certified check or bid bond 10% required with bid. Plans obtainable from the architects on deposit of \$25, returnable.

Following contractors have secured

plans:

Valley Lumber Co., Lodi.
 Henderson Bros., Lodi.
 Neil & Wirtner, Turlock.
 Swanson & Chance, Turlock.
 C. H. Dodd, Stockton.

H. H. Henning, 1751 Berkeley Way, Stockton.

J. R. Leighton, 813 Bedford Road, Stockton.

F. C. Bender, Lodi.

W. Huck, 301 E Wyandotte, Stockton.

E. B. Guyon, 1211 E Main Street, Stockton.

I. E. Toothacre, 1131 S Hunter, Stockton.

H. W. Johnson, 1229 W Magnolia, Stockton.

Bids are to be opened July 27th, 11 A. M.

WATSONVILLE, Butte Co., Cal.—In addition to other items covering repairs to standing school buildings, the Board of Education plans to erect high fencing at the Mintie White School.

Plans Being Figured—Bids Close Aug. 3rd.

HEATING PLANT Cost, \$5000
BERKELEY, Alameda Co., Cal.

Supplies for use in repairing Washington School heating plant.

Owner—Berkeley City School District, Clara F. Andrews, secretary.

Plans are obtainable from the secretary of the Board of Education.

Plans Being Figured—Bids Close July 28, 5 P. M.

ADDITIONS Cost, \$—
BAKERSFIELD, Kern Co., Cal.

Alterations and additions to Wildwood School.

Owner—Wildwood School District, D. M. Crawford, clerk.

Architect—Edwin J. Symmes, Habersfeld Bldg., Bakersfield.

Certified check 10% payable to the clerk required with bid. Plans obtainable from the architect on deposit of \$10, returnable.

No Bids Received July 13.

ADDITION Bonds of \$4500 voted
MANTECA, San Joaquin Co., Cal.

One-classroom addition to school.

Owner—Veritas School District, Guss G. Schmiedt, clerk, Manteca.

Architect—Ralph Morrell, Union Bldg., Stockton.

No bids for construction were received by the district due to the fact that no bids were received on the bonds. It is probable that attempts will be made to dispose of the bonds by private sale to permit construction of the addition.

Commissioned To Prepare Plans.

ADDITION Cost, \$—
SACRAMENTO, Sacramento Co., Cal.

Addition to junior college.

Owner—Sacramento Junior College District.

Architect—Charles Dean, California State Life Bldg., Sacramento.

Plans Being Completed.

GYMNASIUMS Cost, \$1,000,000
LOS ANGELES, Cal. University of California Campus).

Two one-story Class B steel and concrete gymnasium buildings (men's and women's gymnasiums).

Owner—University of California.

Architect—George Kelham, 315 Montgomery St., San Francisco.

Plans will be ready for bids in about five weeks.

SAN MATEO, San Mateo Co., Cal.—Until August 6, 8 P. M., bids will be received by John D. Bromfield, clerk, San Mateo Union High School District to furnish 250 steel lockers, single tier 12x12x72 inches with two

steel shelves inside at top, approximately 9 inches apart, without legs, without locks but with eye for padlocks. Samples must accompany bids.

Bids Opened.

SCHOOL Cost, \$85,000
ST. HELENA, Napa Co., Cal.

One-story reinforced concrete grammar school (eight classrooms and auditorium).

Owner—St. Helena Grammar School District.

Architect—Wolfe and Higgins, Realty Bldg., San Jose.

Following is a complete list of bids:

General Work
 Paul Anderson, San Jose.....\$65,827
 Wm. Meyer, Cupertino.....63,760
 Geo. Peterson, San Leandro.....63,900
 H. H. Henning, Stockton.....73,880
 David Paganini, S. F.....74,613
 Neves & Harp, San Jose.....74,663
 Carl N. Swensen, San Jose.....74,984
 Minton Co., Mt. View.....75,140
 P. T. Wallstrum, Watsonville.....75,530
 O. S. Almie, San Francisco.....76,700
 Frank Cress, Oakland.....77,570
 Riley & Grace, San Francisco.....80,940

Painting

Carl Hilken, St. Helena.....\$2,140
 Oscar Bruck, Berkeley.....2,480
 Chas. W. Lynds, San Jose.....3,071
 J. P. Ecker, Stockton.....3,171
 Patterson Bros., Oakland.....3,250
 Raphael Co., San Francisco.....3,343
 Geo. N. Cahill, San Jose.....4,800

Heating

(1) Oil heating system (2) Gas heating system (3) Vacuum system.
 Dominic Clineau, (1) \$5396 (2) \$6878 (3) \$5754.

Pacific Heating & Ventilating Co.
 Oakland, (1) \$5525 (2) \$6675 (3) \$5925.

O'Mara & Stewart, San Francisco,
 (1) \$5810 (2) \$7180 (3) \$6250.

J. C. Bell, Oakland, (1) \$6021 (2) \$7126 (3) \$6396.

W. H. Picard, Oakland, (1) \$6063 (2) \$7150 (3) \$6518.

T. J. Kennedy, (1) \$6164 (2) \$9650 (3) \$6605.

George Schuster, Oakland, (1) \$6232 (2) \$7398 (3) \$6674.

J. A. Nelson, San Francisco, (1) \$6,321 (2) \$7879 (3) \$6844.

Schreiber Bros., Oakland, (1) \$6544 (2) \$8244 (3) \$6934.

A. G. Grattan, San Jose, (1) \$6621 (2) \$7907 (3) \$7034.

Wm. Serpa, San Jose (1) \$7860 (2) \$9175 (3) \$7900.

Eleven alternates were submitted, which may be seen by those interested.

Sub-Contracts Awarded.

ADDITIONS Cost, \$10,541
SHAFTER, Kern Co., Cal.

Additions and alterations to Richland School.

Owner—Richland School District.

Architect—Edwin J. Symmes, Habersfeld Bldg., Bakersfield.

Contractor—Clark Gramling, 1734 D St., Bakersfield.

Masonry—Fred Kampe, Bakersfield.

Electric Work—Advance Electric Co., Bakersfield.

Millwork—Fresno Planing Mill Co., Fresno.

Structural Steel, Reinforcing Steel & Miscellaneous Iron—Hopper Machine Works, Bakersfield.

Roofing—Kern County Roofing Company, Bakersfield.

Sheet Metal—Wilson Sheet Metal Works, Bakersfield.

Excavation completed and foundation poured.

Contract Awarded.

ALTERATIONS Cost, \$2497
UKIAH, Mendocino Co., Cal.

Alterations and additions for high school gymnasium.

Owner—Ukiah Union High School District, W. B. Hagans, clerk, Ukiah.

Architect—Not Given.
Contractor—Crawford & Baker, Ukiah.
 Following is a complete list of bids, all bidders being of Ukiah:
J. E. Richards, \$2750; alternate bid, \$2000.
C. E. Swanfelt, \$2589; \$2453.
H. Mercer, \$2454; \$2272.75.
Crawford & Baker, \$2497; \$2185.

BANKS, STORES & OFFICES

July 10, 1931
To Take Segregated Bids In Three Weeks.

REMODELING Cost, \$100,000
SAN FRANCISCO, 835 Market Street.
 Renovate four-story department store (remodel all departments into separate shops, re-decorate dome, modernize front of building).
Owner—The Emporium (J. A. Smith, Supt.), 835 Market St.
Private plans.
 As previously reported contract for cleaning building front awarded to J. H. Mohr & Son, 433 11th St.

Sub-Contracts Awarded.
BANK Cost, \$25,000
HOLLISTER, San Benito Co., Cal.
 One-story reinforced concrete bank.
Owner—Bank of America.
Architect—H. A. Minton, 625 Market St., San Francisco.
Contractor—Jacks and Irvine, 74 New Montgomery St., San Francisco.
Elevator—Spencer Elevator Co., 166 7th St., San Francisco.
Glass—Habenicht & Howlett Co., 529 Clay St., San Francisco.
 Other awards previously reported.

Contract Awarded.
ALTERATIONS Cost, \$2,500
SAN FRANCISCO, SW Geary Street and Grant Ave.
 Alterations to store for entrance.
Owner—J. Magnin Co., O'Farrell and Stockton Sts.
Plans by N. B. Mears, 60 Rausch St.
Contractor—Mullen Mfg. Co., 60 Rausch St.

Contract Awarded.
STORE Cost, \$6500
BURLINGAME, San Mateo Co., Cal.
 California Drive and Oak Grove.
 One-story reinforced concrete store (2 stores, part tile and tar and gravel roof).
Owner—Fred Petersen.
Architect—E. L. Norberg, 580 Market St., San Francisco.
Contractor—George W. Williams Co., Crawford Bldg., Burlingame.

Bids Opened.
STORE Cost, \$19,397
OAKLAND, Alameda Co., Calif. 14th and Webster Streets.
 One-story reinforced concrete store (8 stores).
Owner—Mrs. A. F. Merriman, % Coldwell, Cornwall & Banker, 405 14th St., Oakland.
Architect—Chas. McCall, 1404 Franklin St., Oakland.
Low Bidder—Emil Person, 829 San Luis Road, Oakland, \$19,397.
Chas. Heyer, San Francisco, submitted second low bid and Villadsen Bros., San Francisco, submitted third low. Bids held under advisement.

July 13, 1931
Sub-Bids Being Taken.
STORE BLDG. Cost, \$7500
OAKLAND, Alameda Co., Cal. 57th St. and Telegraph Avenue.
 Two-story frame and stucco store building (one apartment above; garage in rear).
Owner and Builder—August Miller, Telephone Olym. 8003.
Architect—Guy L. Brown, American Bldg., Oakland.

Sub-Contracts Awarded.
STORES Cost, \$9,350
SAN FRANCISCO, West Portal and Vicente Streets.
 One-story and basement frame and stucco stores.
Owner—W. R. Ray.
Lessee—F. W. Woolworth Co., Financial Center Bldg.
Contractor—J. L. Blenheim, 666 Mission Street.
Grading—Sibley Grading & Teaming Co., 165 Landers St.
Concrete—Adam Arras, 2476 Howard Street.
Lumber—Sudden Lumber Co., Evans and Quint Sts.
Millwork—Portman Planing Mill, 1618 Mission St.
Plumbing—J. J. McLeod, 1246 Golden Gate Ave.
Painting—C. E. Jordan.
Electric—Frank Goodman.
Plastering—Paul Karib, 511 45th Ave.
Steel—Folsom Street Iron Works, 17th and Mission Sts.
Glass—Tye Bros., 666 Townsend St.
Sheet Metal—Guilfoyle Cornice Works, 1234 Howard St.
Heating—Clow Gastean Heating Co., 571 Mission St.
Steel Partitions—Price Bldg. Specialties Co., 683 Howard St.
Granite—McClivray—Raymond Co., 3 Potrero St.
Copper Store Front—Zourli Co., 1208 Howard St.

Sub-Contracts Awarded.
ALTERATIONS Cost, \$4000
OAKLAND, Alameda Co., Calif. 17th St. and Telegraph Avenue.
 Remodeling 1-story frame and stucco store building.
Owner—Withheld.
Architect—E. A. Eames, 353 Sacramento St., San Francisco.
Contractor—Barrett & Hilt, 918 Harrison St., San Francisco.
Mill Work—J. A. Hart, Jerrold and Napoleon Sts., San Francisco.
Marble—G. M. Eastman, 209 Mississippi St., San Francisco.
Stairs—E. D. Philbrick, 41 Sheridan St., San Francisco.
 As previously reported, electrical work awarded to T. L. Rosenberg & Co., 411 Webster St., Oakland.

Contracts Awarded.
STORE Cost, \$150,000
SAN MATEO, San Mateo Co., Calif. Third Avenue east of El Camino Real.
 One-story and basement frame and stucco department store (English design).
Owner—Levy Bros., San Mateo.
Architect—Hyman and Appleton, 68 Post St., San Francisco.
Contractor—Lengfeld & Olund, 145 N El Camino, San Mateo.
Excavation—H. E. Casey Co., San Mateo.
Plumbing and Heating—Morrison and Blair, 415 Villa Terrace, San Mateo.
Electric—Medley Electric Co., 1136 Chula Vista Ave., Burlingame.

To Ask Bids In One Week.
ALTERATIONS Cost, \$—
SAN FRANCISCO, E Grant Ave. bet. Post and Sutter Sts.
 Alterations to store and loft bldg.
Owner—Not Given.
Architect—Bertz, Winter and Maury, 210 Post St.
Lessee—Podesto & Baldocchi, premises.

Sub-Contracts Awarded.
ALTERATIONS Cost, \$30,000
SAN FRANCISCO, 214-218 Post St.
 Alterations to 5-story concrete building with terra cotta front.
Owner—Eastman Kodak Co., 545 Market Street.

Architect—Bliss & Fairweather, Balboa Bldg.
Contractor—Barrett & Hilt, 918 Harrison Street.
Plumbing—Isard & Welch, 3558 16th Street.
Composition Flooring—Ella Case.
Marble—American Marble Co., 25 Columbia Square.
 Other awards reported June 30.

LONG BEACH, Los Angeles Co., Cal.—City Manager C. C. Lewis, of Long Beach, announces a member of the Long Beach Architectural Club will probably be selected this week to prepare plans and specifications for the new public utilities building to be built at the northwest corner of Pacific Ave. and Broadway, Long Beach. The structure will be three stories and basement and will cost \$125,000.

Sub-Bids Wanted.
STORE Cost, \$7,000
BURLINGAME, San Mateo Co., Cal. California Drive and Oak Grove.
 One-story reinforced concrete store (2 stores, part tile and tar and gravel roof).
Owner—Fred Petersen.
Architect—E. L. Norberg, 580 Market St., San Francisco.
Contractor—George W. Williams Co., Crawford Bldg., Burlingame.
 Sub-bids wanted on all portions of the work.

Preparing Working Drawings.
STORE Cost, \$9000
ARLINGTON ESTATES, Contra Costa Co., Cal. Arlington Ave.
 One-story frame and brick store (2 stores; tile and tar and gravel roof; 1st unit).
Owner—H. F. Wehman, 1347 Grove St. Berkeley.
Architect—Hardman and Russ, Berkeley Bank Bldg., Berkeley.
 Plans will be ready for bids in two weeks.

Construction Postponed.
BUILDING Cost, \$10,000
SAN FRANCISCO, Potrero Ave. and Division Street.
 One-story frame and stucco building.
Owner—Gunn, Carle & Co., 444 Market St., San Francisco.
Architect—H. H. Winner Co., 580 Market St., San Francisco.

Contract Awarded.
STORE Cont. price \$19,397
OAKLAND, Alameda Co., Calif. 14th and Webster Streets.
 One-story reinforced concrete store (8 stores).
Owner—Mrs. A. F. Merriman, % Coldwell, Cornwall & Banker, 405 14th St., Oakland.
Architect—Chas. McCall, 1404 Franklin St., Oakland.
Contractor—Emil Person, 829 San Luis Road, Oakland.

To Take Bids In One Week.
NEWSPAPER OFFICE Cost, \$25,000
REDWOOD CITY, San Mateo Co., Cal. One- and two-story reinforced concrete office building.
Owner—Peninsula Newspapers, Inc., 248 Hamilton St., Palo Alto.
Architect—John B. McCool, 381 Bush St., San Francisco.

Construction Started.
REMODEL STORE Cost, \$15,000
SAN JOSE, Santa Clara Co., Cal. S First Street.
 Remodel store (new store fronts, etc.)
Owner—Hale Realty Company.
Architect—Einder & Curtis, 35 W San Carlos St., San Jose.
Contractor—Henry Bridges, 1398 Lincoln St., San Jose.

Plans Completed
RUILDING Cost, \$35,000
OAKLAND, Alameda Co., Calif. 1970 Broadway.
 Alterations to building.
 Owner—Davidson & Licht, 1318 Broadway, Oakland.
 Architect—Wm. Knowles, 1214 Webster St., Oakland.

Preparing Working Drawings.
STORE Cost, \$65,000
SAN MATEO, San Mateo Co., Cal.
 Second Ave. and Main St.
 One and one-half-story reinforced concrete store; terra cotta exterior, composition roofing (8 stores and mezzanines).
 Owner—Merkel Bros., 201 E St., San Mateo.
 Architect—Edwards & Schary, 550 Montgomery St., San Francisco.
 It is expected to call for bids about September 1.

Contracts Awarded.
RUILDING Cost, \$35,000
OAKLAND, Alameda Co., Calif. 1970 Broadway.
 Alterations to building.
 Owner—Davidson & Licht, 1318 Broadway, Oakland.
 Architect—Wm. Knowles, 1214 Webster St., Oakland.
Carpentry and Show Cases—Mullen Mfg. Co., 64 Rausch St., San Francisco.
Plastering—Wm. Makin, 1048 Excelsior Ave., Oakland.
Electric Wiring—Scott-Buttner Co., 19 Grand Ave., Oakland.
Heating, Ventilating and Plumbing—Fearey & Moll, 1075 40th Street, Oakland.
Lighting Fixtures—Roberts Mfg. Co., 605 Mission St., San Francisco.
Painting—J. Angleman, 2047 36th Ave. Oakland.
Safe—Hermann Safe Co., Howard and Main Sts., San Francisco.

SANTA BARBARA, Cal.—Kalmon Shapiro announces work will be started within a few days on a new market building to be erected at the corner of Milpas and Gutierrez Sts., for the S. & K. Market Co.

THEATRES

Contract Awarded.
THEATRE Cost, \$82,000
SAN JOSE, Santa Clara Co., Cal. NE First and San Salvador Sts.
 Two-story Class A reinforced concrete theatre and store building.
 Owner—Mrs. Norman M. Parrott and Morey B. Fleming.
 Lessee—United Artists Corp., 1966 S. Vermont St., Los Angeles.
 Architect—Walker & Eisen and C. A. Balch, 1031 S. Broadway, Los Angeles, and 580 Market St., San Francisco.
 Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

EUREKA, Humboldt Co., Cal.—Officials of the Hughes-Franklin Theatres contemplated erection of a modern theatre building on property owned by George M. Mann, between 5th and 6th, P and G Streets. The new structure, to seat 2000 persons, would replace the Rialto Theatre now operating in Eureka. Chas. W. Koerner is general manager of the Northern California Circuit of the Hughes-Franklin Theatres.

Contract Awarded.
THEATRE Cost, \$80,000
BERKELEY, Alameda Co., Cal. Shattuck Ave. and Bancroft Way.
 Two-story Class A reinforced concrete theatre and store (to seat 900).
 Owner—United Artists Theatres of California (Jos. M. Schenck, vice-

president), 1966 S-Vermont St., Los Angeles.
 Architect—Walker & Eisen and C. A. Balch, Western Pacific Bldg., Los Angeles.
 Contractor—Henry I. Beller Constr. Co., 580 Market St., San Francisco.
 Monolithic concrete exterior finish, wood interior partitions, composition roofing, concrete and wood floors, hot air heating system and gas furnace.

Contract Awarded.
THEATRE Cost, \$60,000
VALLEJO, Solano Co., Cal.
 Two-story Class A reinforced concrete theatre and store.
 Owner—United Artists Corp., Los Angeles.
 Architect—Walker & Eisen and C. A. Balch, Western Pacific Bldg., Los Angeles.
 Contractor—Beller Constr. Co., 580 Market St., San Francisco.
 Monolithic concrete exterior finish, concrete and wood floors, wood, metal lath and plaster interior partitions, composition roofing, hot air heating system and gas furnace.

Sub-Contracts Awarded.
ALTERATIONS Cost approx. \$60,000
SAN FRANCISCO, 4631 Mission Street (Excelsior Theatre).
 Alterations to present theatre (heating and ventilating, painting, plumbing, electrical work).
 Owner—Golden State Theatre & Realty Co., 25 Taylor St.
 Architect—F. H. Meyer, 525 Market Street.
 Contractor—Clinton Stephenson Const. Co., Monadnock Bldg.
Structural Steel—Judson Pacific Co., 609 Mission St.
Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Sts.
Steel Pans—Concrete Engineering Co., 1280 Indiana St.
Lumber—J. H. McCallum, 748 Bryant Street.
Concrete Materials—Readymix Concrete Co., 575 Berry St.
Glass—Arthur Goepff, 70 12th St.
Ornamental Iron—E. Kloeres & Co., 477 Clementina St.
Roofing—Malott & Peterson, 3221 20th Street.
Acoustic Tile—Malott & Peterson 3221 20th St.
Plumbing—Ahlbach & Mayer, 85 Dorland Street.

Plans Completed.
THEATRE Cost, \$120,000
LONG BEACH, Los Angeles Co., Cal.
 No. 209-23 E. Ocean Blvd.
 Reinforced concrete theatre (100x144 feet) (to seat 1144).
 Owner—United Artists Theatres.
 Architect—Walker & Eisen and C. A. Balch, Western Pacific Bldg., Los Angeles.

Plastering and Structural Steel Contracts Awarded.
THEATRE Cost, \$500,000
ALAMEDA, Alameda Co., Cal. North Central Ave. W Park St.
 Structural steel frame and reinforced concrete theatre (to seat 2200; 125 by 210 feet).
 Owner—Alameda Amusement Co.
 Architect—Miller & Pfueger, 580 Market St., San Francisco.
 Contractor—Salih Bros., 25 Taylor St., San Francisco.
Plastering—Sam. Muriale, 3831 La Cresta, Fruitvale.
Structural Steel—Golden Gate Iron Works, 1541 Howard Street, San Francisco.

WHARVES AND DOCKS

Contract Awarded.
PIER Cont. price, \$92,570
SAN FRANCISCO, Foot of Van Ness Ave., Aquatic Park.

400-ft. pier (first unit of 900 ft. pier, 60-ft. wide, hollow concrete piles, iron railings).
 Owner—City of San Francisco (Park Commission), Park Lodge, Golden Gate Park.
 Plans by Owner.
 Contractor—Healy-Tibbitts Const. Co., 64 Pine Street.
 Following is a complete list of bids:
 Healy-Tibbitts Const. Co., \$92,570
 Herritt, Chapman & Scott, San Pedro 96,900
 Geo. Pollock, Sacramento 100,917
 Clinton Const. Co., S. F. 102,500
 M. B. McGowan, S. F. 104,966
 A. W. Kitchen, S. F. 109,668
 Duncanson-Harrelson Co., San Francisco 123,993

MISCELLANEOUS CONSTRUCTION

Bids Opened.
AIRPORT LIGHTING. Cost, \$—
SAN FRANCISCO, Mills Field Municipal Airport.
 Lighting equipment and installation.
 Owner—City and County of San Francisco, S. J. Hester, Sec'y., Board of Public Works.
 Plans by Bureau of Engineering 3rd Floor, City Hall.
 Following is a complete list of bids:
 Atlas Elec. & Eng. Co., 343 4th St., San Francisco \$1085
 Alta Electric Co. 1088
 L. Flatland 1100
 Lynn & Droyt 1141
 G. H. Armstrong 1149
 W. B. Baker 1198
 Brayer Electric Co. 1300
 Bids under advisement.

Low Bidder.
HOSPITAL Contract price, \$10,900
SAN MATEO, San Mateo Co., Cal.
 Two-story frame and stucco cat and dog hospital, double garage separate (concrete floors, iron work, composition roof, steel sash, hot water heating).
 Owner—Dr. Harold H. Groth, 2600 S. El Camino Real, San Mateo.
 Architect—Treichel & Goodpastor, 1540 San Pablo Ave., Oakland.
 Low Bidder—C. H. Thrans, 28 Home Place, Oakland.

Sub-Bids Being Taken.
TRACK Cont. price, \$239,775
BERKELEY, Alameda Co., Cal. University Campus, Fulton and Bancroft Streets
 Reinforced concrete track Stadium Bowl (to seat approx. 20,000).
 Owner—University of California.
 Architect—Warren C. Perry, 260 California St., San Francisco.
 Contractor—C. Dudley DeVelbiss, 369 Pine St., San Francisco.

Work involves two bleacher structures of reinforced concrete, team quarters, lockers and showers, toilet rooms, telephone and radio accommodations.

SAN FRANCISCO—Skinner Irrigation Co., at \$1048.75 awarded contract by City Purchasing Agent, under Proposal No. 726, to furnish and install sprinkler system for the Playground Commission in the Ocean View Playground.

Plans Being Figured—Bids Close Aug. 12, 5 P. M.
HATCHERY Cost, \$—
RENO, Nevada. On Galena Creek. Construct Fish Hatchery.
 Owner—County of Washoe, E. H. Beemer, county clerk.
 Architect—Geo. A. Ferris & Son, Cladians Bldg., Reno.

Certified check 10% required with bid. Plans obtainable from the architects on deposit of \$10, returnable.

SACRAMENTO, Sacramento Co., Cal.—International Filter Co., Menadnock Bldg., San Francisco, at \$6.25 cu. yd. submitted low bid to city council to furnish 210 cubic yards of filter sand for use at Municipal Filtration Plant. Only other bid submitted by Del Monte Properties at \$14.21 per cu. yard. Bids under advisement until

Plans Being Completed.
ARMORY Cost, \$60,000
SALINAS, Monterey Co., Cal. Howland and Salinas Sts. and Lincoln Avenue.
 One-story reinforced concrete armory (seating capacity 1400 to 1500).
 Owner—State of California.
 Architect—Koepp & Campbell, Carmel.
 Plans will be completed in two or three weeks.

Prospective Bidders.
MORTUARY Cost, \$30,000
HAYWARD, Alameda Co., Cal.
 One-story brick and frame class C mortuary building.
 Owner—Pratt Mortuary, 1044 C Street Hayward.
 Architect—Miller & Warnecke, Financial Center Bldg., Oakland.

Following contractors have secured plans:
 H. Sorensen, Hayward.
 J. J. Thorup, Hayward.
 F. C. Stoltz, 3449 Laguna, Oakland.
 Jensen & Pedersen, 3443 Adeline St., Oakland.
 John Bartlett and David Nordstrom, 1706 Parker St., Berkeley.
 Chas. Heyer, Mills Bldg., San Francisco.
 Bids are to be opened July 20, 4 P. M.

Sub-Bids Wanted.
BUILDING Cont. price, \$14,357
BERKELEY, Alameda Co., Cal. James Kenney Playground, 8th and Delaware.
 One-story and basement frame and stucco recreation bldg. (U-shaped with lockers and showers in each wing and auditorium in center).
 Owner—City of Berkeley.
 Architect—James W. Placheck, Mercantile Bank Bldg., Berkeley.
 Contractor—R. C. McBride, Sr., 2326 Le Conte St., Berkeley.
 Work involves part tile roof, part tar and gravel, small stage, exposed rafters, folding doors.

Grading Bids Wanted.
SPEEDWAY, ETC. Cost, \$25,000
OAKLAND, Alameda Co., Cal. East 14th Street.
 Auto speedway and frame grandstand.
 Owner—H. B. Clark, 2604 Short St., Fruitvale.
 Plans by Eng. Dept. of A.A.A.
 Owner is receiving bids.

OAKLAND, Cal.—Pacific Coast Aggregates at \$15.50 per M. delivered at bunkers, awarded contract by the city council to furnish brick as required by the city during the fiscal year ending June 30, 1932.

MISCELLANEOUS SUPPLIES AND MATERIALS

CARSON CITY, Nevada—Texas Oil Co. at 4.4 cents per gal. awarded contract by State Board of Capitol Commissioners to furnish fuel oil for one year period.

FAIRFIELD, Solano Co., Cal.—T. O. Dowdell at \$398 submitted low bid to county supervisors to furnish and install Neon sign at County Hospital Grounds. Other bids, all taken under advisement, were: Q. R. S. Neon Co., \$440; Electrical Products Corp., \$518.

MODESTO, Stanislaus Co., Calif.—

Willie Electric Co., Modesto, awarded contract by city council to furnish incandescent lamps as required by city for the fiscal year 1931-32.

SAN JOSE, Santa Clara Co., Cal.—Until August 11, 8 P. M., bids will be received by Walter L. Bachrodt, secretary, Board of Education, to furnish fuel and distillate oil for the School Department for the school period 1931-32. Specifications and further information obtainable from secretary.

BUSINESS OPPORTUNITIES

Names and addresses of persons or firms concerned in the following opportunities will be furnished on request to Business Opportunity Department, Daily Pacific Builder, 547 Mission St., San Francisco or Phone GARfield 8744:

21205—French Kitchen Pottery. Los Angeles, Calif. Firm inquires for name of distributor of French kitchen pottery manufactured by S. G. Valauris, in France.

21208—Representation. Hong Kong, China. Commission agents are desirous of representing local exporters of steel products and tinplates. Bank references available.

21209—Glass Tiles. Kobe, Japan. Manufacturers of glass tiles wish to contact interested importers.

21210—Power Generating Unit. San Francisco. Conditions of tender and specifications for a power generating unit for Delta Barrage Spinning Factory, Cairo, Egypt, are on file. Bids are open to September 2, 1931, at noon, Cairo.

21214—Representation. San Francisco. General commission agent in Rio de Janeiro, Brazil, with subagencies in Sao Paulo, Santos, Pernambuco and Bahia, is interested in the purchase of gasoline pumps, utilized for supplying airplanes in various air-dromes; also interested in representing manufacturers seeking agents in Brazil.

21215—Irrigation Machinery. Ciudad Obregon, Mexico. Party is in the market for an outfit to irrigate 5000 acres of sandy loam soil, water to be lifted 30 to 35 feet from a river right into the canal.

21217—Representation. Winnipeg, Canada. Manufacturers' agents and distributors would like to communicate with firms desirous of establishing representatives in Western Canada. 31

Rosenberger & Reynolds, 77 Summer St., Boston, Mass., has facilities to represent department store, hardware store and drug store specialties.

George E. Chamberlin, Puljack Mfg. Corp., 98 Pine St., New York City, manufacturers of article similar to lifting jack, wishes to secure agents here.

Lucy A. Foley, National Hydraulic Tool Co., 1034 4th St., Santa Monica, Calif., manufacturer of hydraulic tool, wishes to secure agent.

Pulsometer Steam Pump Co., 220 W 42nd St., New York City, manufacturers of steam pump, is desirous of securing representation in this territory.

W. H. Maxwell, Wolverine Tube Co., 141 Central Ave., Detroit, Mich., is seeking outlet for item which is used principally by electric power companies, railroads and public utilities companies.

Arthur Paulson & Co., 200 Broadway, New York City, with new way-side tavern plan wishes to secure man with good sales ability to represent them in this territory.

Golden Gate Import Co., 748 Pacific Bldg., San Francisco, has facilities for representing local manufacturers who are desirous of introducing their goods in the Hawaiian Islands.

STATE-WIDE WATER COMMITTEE NAMED

Four members of the California citizens' water committee of nine authorized by the last Legislature have been named by Governor Ralph, as follows:

Matt I. Sullivan, San Francisco, former chief justice of the State Supreme Court, chairman.

James M. Burke, Visalia attorney and water expert.

Arthur B. Turpey, Fresno, president Fresno Irrigation District.
 D. H. Earnell, Merced, president Merced Irrigation District.

These men will represent the counties in California most interested in a State-wide water development program, the Governor said. The counties are Tulare, Kern, Fresno, Stanislaus, Merced, Madera and Kings.

The form of questionnaire for applications for contractors' licenses in California, drafted by Col. Carlos W. Huntington, director of the Department of Professional and Vocational Standards, has been adopted by the Registrar of Contractors of Arizona for applications for licenses under the new law in that state, which became effective July 1. The only difference is that the statements in the California application do not have to be sworn to before a notary, while those in Arizona application must be certified. However, any misstatement of material facts in a California application is ground for revocation of the license if it should be discovered after the license has been issued. The fee for a license in Arizona is \$25 and a renewal will cost \$10 a year.

Transit Mixers, Inc., a Nevada corporation capitalized for \$500,000, has filed articles of incorporation in Oakland. Directors are: A. Knowles, E. T. Fuller, P. A. Broom, of San Francisco; and F. W. Ingram and M. J. Scanlan of Reno, Nevada.

The Railroad Commission announces that final arrangements have been made to undertake an investigation of the operations of the Municipal Railway of San Francisco in accordance with the ordinance recently passed by the Board of Supervisors.

The Commission has instructed its Chief Engineer, A. G. Mott, to proceed at once with this work and to use such of the Commission's staff as he finds necessary without, however, unduly interfering with the Commission's other duties.

Assistant Engineer E. F. McNaughton, who has participated in many electric railway surveys, will be Mott's principal assistant in this work. Chief Engineer Mott said that this is a particularly favorable time at which to get the survey organized, for the reason that hearings of Commission cases have been generally deferred until after the vacation period. It is intended to take advantage of this vacation period to concentrate on the planning of this investigation, deferring the vacations of himself and some of his staff until a later date. He plans first to make a thorough review of all available operating and traffic data in the possession of the Municipal Railway in order not to duplicate unnecessarily any information already available. Thereafter he will make such additional and independent checks as circumstances seem to justify. He estimates that his report ought to be available for presentation to the Board of Public Works not later than December of this year.

Engineering News Section

BRIDGES

MONTREY COUNTY, Cal.—Until August 5, 2 P. M., bids will be received by State Highway Commission to construct a reinforced concrete bridge across Bixby Creek about 13 miles south of Carmel, consisting of one 330-ft. open spandrel arch span and nine 40 ft. girder approach spans.

HUMBOLDT COUNTY, Cal.—Until August 5, 2 P. M., bids will be received by State Highway Commission to construct bridge across East Branch of South Fork of the Bel River, 2.7 miles south of Garberville, consisting of one 102 ft. concrete barrel arch span and two 46 ft. concrete girder approach spans having spandrel walls faced with stone.

PLUMAS COUNTY, Cal.—Until August 5, 2 P. M., bids will be received by State Highway Commission to construct a structural steel bridge across Spanish Creek about 5 miles north of Keddies, consisting of two 70-ft. plate girder spans, two 50 ft. steel beam spans, three 30 ft. tower spans and two 142 ft. truss spans on steel towers and bents with concrete piers and abutments.

TULARE COUNTY, Cal.—Until August 5, 2 P. M., bids will be received by State Highway Commission to construct five reinforced concrete bridges varying from 48 ft. to 300 ft. in length between Tipton and Tulare.

ORANGE COUNTY, Cal.—Until August 5, 2 P. M., bids will be received by State Highway Commission to construct a bridge across North Arm of Newport Bay near Newport Beach, consisting of one 42-ft. 4-in. steel stringer removable spans and thirty-four 19-ft. timber spans with concrete deck on crosstied pile bents.

LOS ANGELES COUNTY, Cal.—Until August 5, 2 P. M., bids will be received by State Highway Commission to construct a reinforced concrete bridge across Fern Canyon about 5 miles northeast of La Canada, consisting of one 120 ft. open spandrel arch span and seven 13 ft. 6 in. slab approach spans.

SANTA CLARA COUNTY, Cal.—A. J. Raich, Burrell Bldg., San Jose, and 46 Kearny St., San Francisco, at \$31,271 awarded contract by State Highway Commission to construct reinforced concrete girder bridge over Coyote Creek at San Jose, consisting of six 34-ft. spans on concrete pile bents and concrete abutments and wing walls on pile foundations. Complete list of unit and total bids received on this project published in issue of July 6.

SANTA CRUZ, Santa Cruz Co., Cal.—Preliminary surveys have been completed for proposed concrete bridge over the Woods Lagoon at the Santa Cruz city limits on the East Cliff Drive; estimated cost \$29,000. Tentative plans provide for a structure 160 ft. long, 40 ft. wide with 6-ft. walks on each side. The cost will be borne by the city of Santa Cruz and the county of Santa Cruz. Roy Fowler is city engineer of Santa Cruz and Lloyd Bowman, county surveyor of Santa Cruz County.

MODESTO, Stanislaus Co., Cal.—Representatives of the Chambers of Commerce of Modesto, Patterson and Turlock have petitioned the Board of Supervisors to provide an appropriation of "at least" \$50,000 in the 1931-32 budget to finance construction of the proposed bridge over the San Joaquin river near Patterson. The structure will cost from \$150,000 to \$175,000, according to tentative estimates.

RED BLUFF, Tehama Co., Calif.—County supervisors plan appropriation in 1931-32 budget to finance construction of a bridge over the Sacramento river at Bend to replace the present ferry service. The cost is estimated at \$47,000. County Surveyor W. F. Luning is making preliminary surveys. Money will be made available for its construction as \$26,000 has already been accumulated during the last three years from a special 5-cent tax. Additional revenue in the new year from the same source and contributions to the fund from highway funds will make the endeavor practical.

MODESTO, Stanislaus Co., Calif.—City Engineer Frank J. Rossi has reported to the city council recommendations that cement bridges be constructed to replace wooden structures in Sycamore and Stoddard Aves., and widening of the bridge in College Ave. and reconstruction of bridge in Virginia Ave.

SAN JOSE, Santa Clara Co., Cal.—County Surveyor W. L. Chandler is preparing plans for concrete bridge to replace structure which recently collapsed in Hellyer Ave. over Coyote Creek.

NAPA, Napa Co., Cal.—Until July 27, 7:30 P. M., bids will be received by H. H. Thompson, city clerk, to construct concrete bridge at Brown St., involving:

- (a) 670 cu. yds. excavation;
- (b) 390 cu. yds. concrete 1:2:4 mix;
- (c) 78,000 lbs. reinforcing bars (ex-hand rail bars);
- (d) 90 lin. ft. hand rail (including posts and bars).

Certified check 10% payable to city required with bid. Plans obtainable from H. A. Harrold, city engineer.

MADERA COUNTY, Cal.—Following three low bids received July 15 by State Highway Commission to construct a steel stringer bridge with concrete deck across Fresno river at Madera, consisting of ten 41-ft. spans and two 40-ft. 9-in. spans on steel pile bents:

Gutleben Bros., Oakland.....	\$37,890.50
J. F. Metzger, L. A.....	37,860.00
A. W. Kitchen, S. F.....	38,866.55

MARIN AND SONOMA COUNTIES Cal.—Following three low bids received July 15 by State Highway Commission for repairs to a bridge across Petaluma Creek at Green Point, consisting of replacing the floor on the bascule span and making repairs, replacements and additions to operating equipment:

Gutleben Bros., Oakland.....	\$19,828.50
Butte Const. Co., S. F.....	20,789.10
Healy-Tibbitts Const. Co., San Francisco	21,347

VENTURA COUNTY, Cal.—Following three low bids received July 15 by State Highway Commission to construct undergrade crossing under the tracks of Southern Pacific Railroad about one-half mile west of El Rio, consisting of two concrete abutments with wing walls, installing drainage system and pumping equipment and grading and paving approx. thirty-three hundredths (.033) of a mile of roadway with Portland cement concrete and bituminous macadam:

Merritt, Chapman & Scott,	
San Pedro	\$71,505.60
Oberg Bros., L. A.....	74,781.00
Silveria & Robbins, Ventura	74,860.00

IRRIGATION PROJECTS

SAN FRANCISCO—Siems-Helmert, Inc., 206 Sansome St., submitted low bid at \$11.23 per cubic yard to U. S. Engineer Office, Customhouse, for rock removal in San Francisco Bay. Project involves 39,800 cu. yds. Following is a complete list of bids:

Siems-Helmert, Inc., S. F.....	\$11.23
Hydraulic Dredging Co., Oakland	11.46
Healy-Tibbitts Const. Co., S. F.	12.34
Standard Dredging Co.....	12.38
Frank's Constr. Co., S. F.....	12.50
MacDonald & Kahn, S. F.....	13.95
S. F. Bridge Co., S. F.....	15.73

STOCKTON, San Joaquin Co., Cal.—Franks Contracting Co., San Francisco, at \$.097 cu. yd. submitted low bid July 14 to U. S. Engineer Office, California Fruit Bldg., Sacramento, for dredging approximately 1,435,500 cubic yards of material in the Stockton 26-foot channel prism from a point approximately 0.6 miles downstream from Black Slough to the westerly side of Spud Island in the San Joaquin River, about 10 miles northwest from Stockton. Complete list of bids follows:

Franks Contracting Co.....	\$.097
San Francisco Bridge Co.....	10.125
Hydraulic Dredging Co.....	11.46
D. A. Foley.....	153

Bids taken under advisement.

STREET LIGHTING SYSTEMS

SAN JOSE, Santa Clara Co., Cal.—Roy M. Butcher, 1020 Sherwood St., San Jose, at \$8510.57 awarded contract by city council (5371) to install 20 San Jose Design Duplex Electric poles in Fourth St., bet. San Fernando St. and San Carlos St., together with underground system. Complete list of bids follows:

R. M. Butcher.....	\$8,510
R. Flatland.....	8,545
City Improvement Co.....	8,760
Butte Elec. & Mfg. Co.....	8,895

MACHINERY AND EQUIPMENT

OROVILLE, Butte Co., Cal.—County supervisors will purchase two tractors at a cost of \$7,822 and seven motor trucks for \$12,000. Funds will be available after Aug. 20. J. A. Bumgarner is county engineer.

COTATI, Sonoma Co., Calif.—Until July 16, 8 P. M., bids will be received by H. C. Eales, clerk, Cotati School District, to furnish and deliver one

1½-ton truck chassis equipped with school bus body of not less than 32-passenger capacity. Certified check 10% required with bid. Specifications obtainable from the clerk at Cotati.

SACRAMENTO COUNTY, Cal.—Until July 29, 2 P. M., bids will be received by R. H. Stalnaker, equipment engineer, State Highway Commission, 1805 34th St., Sacramento, for the purchase of the following equipment no longer required:

CHC 272 Grader, 7-ft. Austin Standard, leaning wheel.

CHC 93 Austin Motor Grader with scarifier.

3 only Scrapers, full revolving, one 5-ft., one 6-ft., one 7-ft.

1 lot of truck parts for Heavy Aviation, Standard and GWC K-32 trucks.

1 lot of bearings, cone, roller and ball.

1 lot of (front and rear) drive shaft assemblies for Liberty trucks.

1 lot of Liberty truck generators.

Bidders may make offers for one or more items but must state price offered for each item. No lump sum bids will be considered.

All equipment may be inspected at the Division of Highways yards at 1805 34th Street, Sacramento, from 8:30 A. M. to 4:30 P. M. on any working day.

FIRE ALARM SYSTEMS

SAN LEANDRO, Alameda Co., Cal.—Until August 5, 8 P. M., bids will be received by city council to install electric signals at East 14th St. and Davis and East 14th St. and Dutton Ave. Specifications on file in office of clerk. W. A. Richmond is city manager.

RESERVOIRS AND DAMS

CLE ELUM, Wash.—(By Special Wire)—Winston Brothers Company, Minneapolis, Minn., at \$1,311,533.50, submitted low bid under Schedule 1 to the U. S. Bureau of Reclamation at Yakima, Wash., to construct the Cle Elum Dam and clearing the reservoir site, Yakima Project, located about 8 miles northwest of Cle Elum on the Northern Pacific and Chicago, Milwaukee and St. Paul Railways. Siemens-Helmerts, Inc., Spokane, Wash., and 206 Sansome St., San Francisco, low bidders on Schedule No. 2 at \$291,600.

A complete list of the bids received

- (1) 134,000 cu. yds. of stripping;
- (2) 22,500 cu. yds. of tunnel and shaft excavation;
- (3) 1,552,000 cu. yds. of excavation in open cut;
- (4) 35,000 cu. yds. of backfill;
- (5) 1,220,000 cu. yds. of earth and gravel embankment;
- (6) 44,000 cu. yds. of raprap of paving;
- (7) 11,200 cu. yds. of concrete in tunnel and shaft lining;
- (8) 20,900 cu. yds. of concrete other than tunnel and shaft lining;
- (9) 20,000 cu. ft. of pressure grouting;
- (10) placing 3,390,000 lbs. of reinf. bars
- (11) placing 3800 lin. ft. 6-in. to 30-in. drainpipe;
- (12) driving 12,860 lin. ft. sheet piling;
- (13) installing 575,000 lbs. of metal work;
- (14) 2700 acres of clearing.

SEATTLE, Wash.—Ulen Eng. Corp., Lebanon, Ind., awarded contract by the Mountain Lakes Water Co., 10,107 Woodland Ave., (John D. Bird, Pres.), Seattle, at about \$2,000,000 for constructing a dam, reservoir, and pipe line in Richmond Highlands and parts of northern King and southern Snohomish Counties. The supply line will be a steel pipe line about 20 miles in

length from Lake Marlon to a 10½ acre reservoir on 15th Ave. N. E., near Esperance Station.

PIPE LINES, WELLS, ETC.

COALINGA, Fresno Co., Cal.—Jake Smith, Hanford, at \$5.50 ft. including perforating pipe, cleaning and placing it on production, awarded contract by city council to drill water well. Other bids: J. W. Livermore, Fresno, \$2.50 ft.; Cedarquist & Tyler, Corcoran, \$3.50 ft.; H. C. Steins, Riverdale, \$4.95 ft., not including pipe, cleaning and placing in production.

SEATTLE, Wash.—See "Reservoirs and Dams," this issue. Award of contract to Ulen Engineering Corp., Lebanon, Ind., at \$2,000,000 to construct dam, reservoir and pipe line in connection with water system.

SANTA BARBARA, Cal.—Franklin B. Gridley, 256 S. Lake St., Pasadena, awarded contract by city council at \$23,764 for construction of pipeline and appurtenant works, using (B) 16-in. cement lined steel pipe. His bid on (A) steel pipe was \$25,264. The work contemplated involves the furnishing of labor and materials for the construction of a 16-in. pipeline, approximately one mile in length, together with all trenching and backfilling, and the construction of miscellaneous appurtenant works. It is proposed that the work will be located in the western portion of the City of Santa Barbara. Other bids were:

- American Concrete & Steel Pipe Co.
—(A) \$26,385, (B) \$25,381.
Lacy Mfg. Co.—(A) \$27,448.50, (B) \$28,073.50.

RED BLUFF, Tehama Co., Calif.—Until August 3, 8 P. M., bids will be received by E. E. Stevens, superintendent of the municipal water works, to drill well for municipal water system. Certified check 10% required with bid. Specifications obtainable from above office.

SEWERS AND SEWAGE DISPOSAL PLANTS

SAN JOSE, Santa Clara Co., Cal.—Until July 20, 6 P. M., bids will be received by John J. Lynch, city clerk, to improve 19th St. bet. Mission St. and a point 841 feet north, involving construction of a vitrified sewer with wye branches, brick manholes, house laterals, 1911 Ace. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Wm. Popp, city engineer.

SAN DIEGO, Cal.—Chicago Bridge & Iron Works, Rialto Bldg., San Francisco, awarded contract by Bureau of Yards and Docks, Washington, D. C., at \$9650 for furnishing and erecting one 400,000-gallon steel tank at the Naval Operating Base (Fuel Depot), San Diego, under Spec No. 6483.

BENICIA, Solano Co., Cal.—City council has started proceedings for sewers in portions of East M St., L St., etc. E. W. Eager, Sulson, city engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—Boulder Creek Sanitary District plans construction of a sewage disposal plant, estimated cost \$5000. Of the total amount of money required for construction, the district has \$1,600 in the treasury. E. Huntington is president of the district.

PORTERVILLE, Tulare Co., Cal.—City Manager Fred Pease is making surveys to install sewer system in

Murry Park. The cost is estimated at \$3,000.

FRESNO, Fresno Co., Cal.—Thompson Const. Co., Fresno, at \$1,178 awarded contract by city council (112-D) to construct 6-inch vitrified sewer pipe manholes, drop manholes and drop connections in certain rights-of-way in Subdivision of Lot No. 7, Poppy Colony and in Block No. 1, Normal View.

MODESTO, Stanislaus Co., Calif.—City Engineer Frank J. Rossi has recommended extensions to sewer system involving sanitary lines in McGentry, Grant and Downey Avenues, costing \$3,473 and lines to serve the western section of the city at a cost of \$36,030.

DECOTE, Alameda Co., Cal.—Chamber of Commerce proposes a bond issue to finance construction of a sanitary sewer system.

OAKLAND, Cal.—California Pottery Co. awarded contract by city council to furnish and deliver sewer pipe to the city as required during the fiscal year ending June 30, 1932. Complete list of unit bids received published in issue of July 2.

SAN MATEO, San Mateo Co., Cal.—W. J. Tobin, 527 Balfour St., Oakland, at \$6,780 awarded contract by city council (31-5) to construct sewers in alleys in Block 8 of East San Mateo and in portions of the Bayshore Highway, involving:

- (1) 700 ft. 15-in. vitrified pipe;
- (2) 1,860 ft. 12-in. do;
- (3) 675 ft. 10-in. do;
- (4) 50 ft. 8-in. do;
- (5) 2,875 ft. 6-in. do;
- (6) 25 manholes.

Camra and Garden of San Leandro were low bidders on this project at \$6,117 but the bid was declared irregular due to the fact that the bidders failed to have a contractor's license as required by the state law.

MISCELLANEOUS CONSTRUCTION

VANCOUVER, B. C.—Smith Bros. & Wilson, care of the Greater Vancouver Water District, Vancouver, B. C., submitted the low bid to the Greater Vancouver Water District at \$255,639 for constructing a tunnel under the first narrows in the City of Vancouver. W. H. Powell, Bekins Bldg., engineer. Other bids were: Northern Const. Co., \$957,144; Pacific Engineers \$1,020,447; Stuart - Cameron Co., \$1,320,540.

WATER WORKS

MERCED, Merced Co., Cal.—City council plans construction of water system to serve Bear Creek Park; estimated cost \$1400 including well and pumping plant.

TURLOCK, Stanislaus Co., Cal.—Moore, Walker and Jackson, Turlock, at \$517 awarded contract by city council for an addition to the remote control system for a pumping plant from a central point.

WALNUT CREEK, Contra Costa Co., Cal.—Lafayette Water District, recently organized, will call an election shortly to vote bonds of \$100,000 to finance construction of a water distributing system to connect up with the system of the East Bay Municipal Utility District. Directors of the district are: J. C. Hill, George Meridith, L. H. Rodebaugh, Dr. Alvin Powell and Col. M. M. Garrett.

OAKLAND, Cal.—Following bids received July 8 by East Bay Municipal Utility District to construct and furnish f.o.b. 22nd and Adeline Streets, Oakland, valve operating mechanisms for the Lafayette and Walnut Creek Pumping Plants:

Fulton Water Wheel Co., 3 units 36-in. valve, \$1,340 and \$1,420.

Cutler-Hammer, Inc., 3 units 36-in. \$1,845 and 1 unit 18-in., \$645.

State Electric Supply Co., 3 units, 36-in., \$1,641.90; 48-in., \$547.30.

Taken under advisement.

PORTERVILLE, Tulare Co., Cal.—City council has voted to install 4-inch water mains in those sections of the city not adequately served with water. Fred Pease is city manager.

LAKEPORT, Lake Co., Cal.—Waterworks Department authorized by city council to purchase 1,800 ft. 2-in. galvanized pipe for water main extensions.

COALINGA, Fresno Co., Cal.—Until July 23, 5 P. M., (to be opened 7:30 P. M., same date), bids will be received by E. J. McCroskey, city clerk, to furnish and install one bronze fitted Horizontal Centrifugal Pump, direct connected to suitable electric motor, with all connections furnished. Pump to have capacity of 1000-gals. per min., against a total head of 140 ft. when operating on a 440-volt 3-phase 60-cycle electric motor. Certified check 10% required with bid. Further information obtainable from clerk.

SEATTLE, Wash.—See "Reservoirs and Dams," this issue. Award of contract to Ulen Engineering Corp., Lebanon, Ind., at \$2,000,000 to construct dam, reservoir and pipe line in connection with water system.

MODESTO, Stanislaus Co., Calif.—City Engineer Frank J. Rossi has recommended to the city council the purchase of two 500,000 gallon steel storage tanks in connection with the municipal water system.

SANTA CRUZ, Santa Cruz Co., Cal.—Until July 20, 3:15 P. M., bids will be received by S. A. Evans, city clerk, to install well or wells at or near the Crossing Street pumping station, as follows:

A well or wells of sufficient capacity to provide a guaranteed flow of water fit for human consumption of not less than 3,000,000 gallons per day of twenty-four hours, and if possible, to provide a flow of 6,000,000 gallons per day of twenty-four hours, tested capacity.

Said wells to be not less than 16 in. in diameter provided with all necessary casing for drilling and installation of pumps, with No. 10 gauge hard steel double welded casing perforated with hydraulic type perforations which cutts horizontal shutter type slots. Said wells to be provided with ample pumping equipment consisting of standard make of pump or pumps.

Said well or each of said wells, after same have been tested, to be directly connected to a motor or motors of 2200 volt capacity and completely installed in operating condition, to be connected with the power plant at the present pumping station of the City of Santa Cruz, in such manner that said pump or pumps may be operated either singly or in groups complete so that the discharge from the City pump or pumps be connected directly into the present water system of the City, permitting a flow either through the filters or direct to the booster pump.

The connection for conveying water to the booster pump or surge tank to be laid underground and dipped in as-

phaltum, with standard paraffine wrapping. All joints to be welded.

The work of installing to commence forthwith upon the execution of a contract between the successful bidder and the City of Santa Cruz, and not less than one well that will provide at least 1,000,000 gallons per day of twenty-four hours, to be in operation on or before the first day of August, 1931.

All said installation and equipment to be in operation on or before the first day of September, 1931.

Further information obtainable from Roy Fowler, city engineer.

PLAYGROUNDS & PARKS

SAN FRANCISCO—Skinner Irrigation Co., at \$1048.75 awarded contract by City Purchasing Agent, under Proposal No. 726 to furnish and install sprinkler system for the Playground Commission in the Ocean View Playground.

STREETS AND HIGHWAYS

EL DORADO COUNTY, Cal.—Force Const. Co., Piedmont, at \$37,157 submitted low bid to the State Highway Commission July 15 to surface 1.3 miles bet. Bay View Rest and 1 mile north of Eagle Falls and 5.2 miles bet. Mays and the Nevada State line, with bituminous treated surfacing. Three low bids follow:

Force Const. Co., Piedmont.....\$37,157
F. W. Nighbert, Bakersfield.....41,968
Basalt Rock Co., Napa.....42,423

Complete list of unit bids will be published shortly.

PLUMAS COUNTY, Cal.—Until July 30, 2 P. M., bids will be received by C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, 461 Market St., San Francisco, for applying bituminous binder and processing the existing crushed rock surfacing Sta. 69 plus 50 to Sta. 587 plus 00, Sections C and D of Route 23, Quincy-Beckwith National Forest Highway in Plumas County, 9.614 miles in length, involving:

- (1) furnish and apply 650 tons of bituminous binder;
- (2) 9.614 miles mixing bituminous binder treated crushed rock surfacing;
- (3) 9.614 miles of rolling.

Specifications obtainable from the engineer on deposit of \$10, returnable, checks for same to be made payable to Federal Reserve Bank of San Francisco.

SAN MATEO, San Mateo Co., Cal.—City council declares intention (31-8) to improve 28th Ave. (formerly Date Ave.) between El Camino Real and southeasterly city limits of San Mateo, involving scarifying and reshapening; surfacing with rock and emulsified asphalt. Imp. Act 1911. Bond act 1915. Hearing July 30. E. W. Foster, city clerk. E. P. Wiley, city manager.

SAN MATEO, San Mateo Co., Cal.—City council declares intention (31-7) to improve "B" Street, 3rd, 6th and 2nd Avenues, involving grading; paving with 4-in. asphaltic concrete base and 2-in. asphaltic concrete wearing surface; 4-in. dia. vit. clay pipe lateral sewers; 15-18, 21- and 12-inch hydraulic cement concrete pipe storm water sewers; brick catchbasins and manholes; concrete curbs and gutters; cement concrete sidewalks; ornamental street electroliter system. Estimated cost, \$50,000. Bond Act 1915. Imp. Act. 1911. Hearing July 30. E. W. Foster, city clerk. E. P. Wiley, city manager.

ANTIOCH, Contra Costa Co., Cal.—C. H. Brown, 220 S 12th St., Rich-

mond, at \$6,665 awarded contract by city council (53-A) to improve portions of Empire Ave., involving grading, hyd. concrete pave, curbs, gutters, culverts and drains, 4-in. vitrified clay pipe sanitary sewers, piping for domestic water supply system. Bundesen & Lauritzen, Pittsburg, only other bidders at \$9,215.

CLARK COUNTY, Nev.—Until September 2, 2 P. M., bids will be received by State Highway Commission, Carson City, for furnishing, applying and mixing asphaltic fuel oil with roadway surface in Clark County between 10 miles southeast of Las Vegas and Boulder City, a length of 11.01 miles. Specifications on file at office of U. S. Bureau of Public Roads, 461 Market St., San Francisco, and obtainable from S. C. Durkee, state highway engineer. Certified check 5% required with bid.

OAKLAND, Calif.—Hutchinson Co., 1450 Harrison St., Oakland at \$2,874 submitted only bid to city council to improve portions of Guido St., Norton Ave. and certain conduit rights-of-way adjacent to Guido St. Bid follows:

- (1) 15,208 sq. ft. grading, \$.03;
- (2) 599 lin. ft. concrete curb, \$.70;
- (3) 1199 sq. ft. concrete gutter, \$.25;
- (4) 7918 sq. ft. of penetration macadam pavement, \$12;
- (5) 215 lin. ft. 2-ft. x 6-in. by 2-ft. x 6-in. concrete culvert, \$1.81;
- (6) 1 manhole with inlet top, \$1.00;
- (7) 1 manhole with standard top, \$1;
- (8) 84 lin. ft. 12-inch plain concrete pipe conduit, \$1.25;
- (9) 92 lin. ft. 21-inch reinf. concrete pipe conduit, \$2.73;
- (10) 2 storm water inlets (34-in. opening) \$1.00.

EL DORADO COUNTY, Cal.—Following three low bids received July 15, by State Highway Commission to surface about 8.6 miles in length between Riverton and Kyburz with bituminous treated crushed gravel or stone (Road Mix):

Tiffany, McReynolds & Tiffany, 821 S First St., San Jose.....\$33,792.50
Harold Smith, St. Helena.....38,409.00
C. E. Reed, Tracy.....39,098.00

LOS ANGELES COUNTY, Cal.—Following three low bids received July 15 by State Highway Commission to grade 12.5 miles between Piru Creek and Gorman:

Morrison & Knudsen and MacDonald, Financial Center Bldg., San Francisco.....\$459,772
H. W. Rohl, Los Angeles.....503,075
VonderHellen & Person, Cascade.....506,435

SANTA CLARA COUNTY, Calif.—Following three low bids received July 15 by State Highway Commission to grade and pave with cement concrete and asphalt concrete 4.4 miles between Coyote Creek and San Jose:

Union Paving Co., Cal. Bldg., San Francisco.....\$52,426.00
Valley Paving & Contracting Co., Fresno.....62,679.55
A. J. Raisch, S. F.....70,041.00

SAN JOSE, Santa Clara Co., Cal.—Until July 27, 11 A. M., bids will be received by Henry Pfister, county clerk, to improve Fifth Street in Supervisor District No. 1. Specifications obtainable from County Surveyor Robt. Chandler on payment of \$1.

SAN BENITO COUNTY, Cal.—Until July 27, 2 P. M., bids will be received by L. H. Gibson, district engineer, State Highway Commission, Bank of Italy Bldg., San Luis Obispo, for oil treating existing shoulders on 3.17 miles between 1½ miles north of San Juan Bautista and the Pajaro river.

MARIPOSA COUNTY, Cal. — Following three low bids received July 15 by the State Highway Commission to grade between Orange Hill School and Pain Flat (7.4) miles in length: Frederickson & Watson & Fredrickson Bros., 354 Hobart St., Oakland — \$91,311.85 Triangle Rock & Gravel Co., San Bernardino — 94,703.60 Contoules Constr. Co., S. F. 99,101.00

EUREKA COUNTY, Nevada—Until July 22, 2 P. M., bids will be received by State Highway Commission, Carson City, to reconstruct a portion of the state highway system located in Eureka County, between 14 miles west of Hay Ranch and Hay Ranch, Route 2, Section A-2, a length of 13.83 miles, involving:

- (1) 41,500 cu. yds. roadway excav.;
 - (2) 1400 cu. yds. structure excav.;
 - (3) 52,776 yd. sta. overhaul;
 - (4) 6.21 miles prepare subgrade and shoulders;
 - (5) 6 demolish headwalls;
 - (6) 7.62 miles prepare shoulders;
 - (7) 45,800 cu. yds. crush. rock or crush. gravel surface in place;
 - (8) lump sum furnishing water equipment;
 - (9) 2372 M. gals. applying water;
 - (10) 60 cu. yds. class A concrete;
 - (11) 9 cu. yds. class B concrete;
 - (12) 274 lin. ft. 24-in. corr. metal pipe in place;
 - (13) 88 lin. ft. remove and reset corr. metal pipe;
 - (14) 139 corr. metal pipe culvert extensions;
 - (15) 46 monuments in place;
 - (16) 2 furnish and install posts for F. L. markers;
 - (17) 13.83 miles finishing roadway.
- Certified check, 5%. Plans obtainable from office of S. C. Durkee, State Highway Engineer, upon deposit of \$15, of which \$10 is returnable.

RIVERSIDE COUNTY, Cal.—Until August 11, 2 P. M., bids will be received by C. H. Swetsier, district engineer, U. S. Bureau of Public Roads, 461 Market St., San Francisco, for grading Section A of Route 70, Idyllwild-Desert National Forest Highway in San Bernardino National Forest, Riverside County, 10.191 miles in length, involving:

- (1) 10 acres clearing;
 - (2) 453,000 cu. yds. unclass. excav. for structures;
 - (3) 3,350 cu. yds. unclass. excav. for structures;
 - (4) 214,000 sta. yds. overhaul;
 - (5) 10,158 miles finish earth-graded road;
 - (6) 416 cu. yds. class A concrete;
 - (7) 266 cu. yds. class D concrete;
 - (8) 45,500 lbs. reinf. steel;
 - (9) 306 cu. yds. cement rubble masonry;
 - (10) 8,446 lin. ft. corr. metal pipe;
 - (11) 283 cu. yds. hand-laid rock embankment;
 - (12) 110 right of way monuments.
- Plans obtainable from engineer on deposit of \$10, returnable, checks for same to be made payable to Federal Reserve Bank of San Francisco.

WILLOW GLEN, Santa Clara Co., Calif.—Union Paving Co., Call Bldg., San Francisco, at \$11,058.15 awarded contract by city council (80) to widen and extend Kotenberg Ave. in Acq. and Imp. Dist. No. 1, involving:

- (1) 55,885 sq. ft. 4½-in. asph. concrete pavement;
 - (2) 3,060 lin. ft. concrete curb;
 - (3) 7,582 sq. ft. concrete gutter;
 - (4) 15,300 sq. ft. concrete sidewalk.
- PLACER COUNTY, Cal.—Southwest Paving Co., Washington Bldg., Los Angeles, at \$30,675 awarded contract by State Highway Commission to surface with bituminous treated crushed gravel or stone (plant mix) 9.1-miles between Colfax and Gold Run. Com-

plete list of unit and total bids received on this project published in issue of July 13.

WILLOW GLEN, Santa Clara Co., Calif.—Union Paving Co., Call Bldg., San Francisco, at \$48,722.60 awarded contract by city council (86) to improve Willow St., Acq. and Imp. Dist. No. 3, involving:

- (1) 120,000 sq. ft. 5½-in. asph. conc. pavement;
- (2) 490 lin. ft. 12-in. concrete pipe;
- (3) 260 lin. ft. 18-in. do;
- (4) 48 lin. ft. 21-in. do;
- (5) 325 lin. ft. 24-in. do;
- (6) 355 lin. ft. 21-in. do;
- (7) 588 lin. ft. 30-in. do;
- (8) 2044 lin. ft. 36-in. do;
- (9) 63 lin. ft. 42-in. do;
- (10) 19 inlets;
- (11) 10 manholes;
- (12) 7000 lin. ft. concrete curb;
- (13) 14,000 sq. ft. concrete gutter;
- (14) 35,000 sq. ft. conc. sidewalk.

WILLOW GLEN, Santa Clara Co., Calif.—Union Paving Co., Call Bldg., San Francisco, at \$11,884.09 awarded contract by city council (83) to improve Blewett Ave., Acq. and Imp. Dist. No. 2, involving:

- (1) 59,640 sq. ft. 4½-in. asph. concrete pavement;
 - (2) 4,000 lin. ft. concrete curb;
 - (3) 8,000 sq. ft. concrete gutter;
 - (4) 20,000 sq. ft. conc. sidewalk.
- SANTA CLARA COUNTY, Calif.—Until July 27, 2 P. M., (time extended from July 20) bids will be received by Jno. Skiggs, district engineer, State Highway Commission, State Bldg., San Francisco, for placing rock borders on 5.2-miles between Gilroy and the Pajaro River.

LASSEN COUNTY, Cal.—Capital Construction Co., Sacramento, at \$18,667.30 submitted low bid to State Highway Commission July 8 for oiling 7.5 miles and surfacing 4.3 miles with selected material, between Doyle and Long Valley Creek. Project involves:

- (A) 4100 cu. yds. sel. surf. material;
 - (B) 4225 bbls. heavy fuel oil;
 - (C) 394 sta. mixing oil and surface material.
- Total bids follow:
- (1) Capital Constr. Co., Sacramento, \$18,657.30.
 - (2) C. A. Ladeveze, Los Angeles, \$20,455.30.
 - (3) Geo. French, Jr., Stockton, \$21,503.
 - (4) Basalt Rock Co., Inc., Napa, \$21,642.50.

Unit bids are:			
	1	2	3
(A)	\$.85	\$2.50	\$11.70
(B)	1.50	2.50	9.50
(C)	1.00	3.00	12.00
(D)	1.35	2.74	11.50

RIVERSIDE AND ORANGE COUNTIES, Cal. — E. P. Watson Jr., 3492 Noel St., San Diego, submitted the

low bid to the directors of the Joint Highway District No. 15 (meeting at Santa Ana), July 8, for constructing Section F of the Ortega Highway, between Station 395+40 and Station 372 +30, about 2.04 miles. The low bid was as follows:

Alternative No. 1, using pure iron culverts, \$150,742.70.

Alternative No. 2, using Toncan iron culverts, \$150,742.70.

Alternative No. 3, \$149,822.90. H. W. Rohl Co., 4351 Alhambra Ave., Los Angeles, submitted the second low bid at (1) \$157,588, (2) \$162,952, and (3) \$155,130.20.

The other bids were submitted by the following: Martin Bros. Trucking Co., Robinson-Roberts Co., Dan Munro, C. G. Willis & Sons, Yglesias Bros., Pearson & Dickinson, M. S. Ross, J. G. Donovan & Sons, Marco Constr. Co. and Granfield Farrar & Carlin.

The bids were referred to the engineer, A. C. Fulmore, for tabulation and report.

The approximate quantities are:

- (1) 477 stations clearing and grubbing right-of-way;
- (2) 352,000 cu. yds. excav. roadway unclass;
- (3) 3000 cu. yds. excav. for structures unclass;
- (4) 100 cu. yds. excav. for channel changes unclass;
- (5) 251,000 sta. yds. overhaul (free haul 600 ft.);
- (6) 5328 ft. 18-in. corr. metal pipe culverts in place;
- (7) 954 ft. 24-in. corr. metal pipe culverts in place;
- (8) 350 ft. 30-in. corr. metal pipe culverts in place;
- (9) 73 ft. 42-in. corr. metal pipe culverts in place;
- (10) 3 reinf. concrete drop inlets;
- (11) 648 cu. yds. cement rubble masonry in bridges at Stations 396 plus 00 and 418 plus 00;
- (12) 500 cu. yds. dry rubble retaining wall;
- (13) 96 cu. yds. reinf. concrete in culverts;
- (14) 9040 lbs. reinf. steel.

MENLO PARK, San Mateo Co., Cal.—City council declares intention (31-6) to improve Arbor Road and other streets, involving grading; pave with 2-in. emulsified asphalt surface on 4-in. waterbound rock base; concrete curbs, gutters, walks; vit. sanitary sewers; galv. w. i. water service connections. Est. cost \$50,000. 1911 Act. Bond Act 1915. Hearing July 28. E. J. Crane, city clerk (pro tem). Bert J. Mehl, city engineer. Quantities of materials involved will be published shortly.

MODESTO, Stanislaus Co., Calif.—J. S. West Co., Modesto, at 99 cents per barrel, awarded contract by city council to furnish from 3,000 to 5,000 barrels of road oil as required by the city during the fiscal year 1931-32.

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PALO ALTO, Santa Clara Co., Cal.—City council declares intention (986) to improve portions of Amberst and Cedar Sts., Channing, Grant, Harker and Hopkins Avenues, Marlowe St., Palo Ave. Ave., Pine St., and Ruthven Ave., involving:

236,195 sq. ft. grading;
213,283 sq. ft. 6-in. concrete paving;
9,600 lin. ft. concrete curb;
13,465 sq. ft. cement sidewalk;
1,645 sq. ft. sidewalk and corners;
2,727 sq. ft. sidewalk driveways;
36 sewer connections;
36 ¾-in. water service connections;
90 lin. ft. 6-in. vitrified sewer;
30 lin. ft. 8-in. do;
25 lin. ft. 10-in. coc. or vit. sewer;
110 lin. ft. 12-in. do;
40 lin. ft. 16-in. do;
8 manholes;
4 catchbasins;
70 lin. ft. 10-in. corr. culvert.

1911 Act. Hearing July 20. E. L. Beach, city clerk. J. F. Byxbee, city engineer.

IMPERIAL COUNTY, Calif.—R. E. Hazard Contracting Co., 2508 Kettner Blvd., San Diego, at \$135,587 awarded contract by State Highway Commission to construct oil treated crushed gravel or stone borders on 43.2 miles between Disneyland and Holtville and between El Centro and 4 miles west of Westmoreland. Complete list of unit and total bids received on this project published in issue of July 7.

SAN BERNARDINO COUNTY, Cal.—H. W. Rohl Co., 727 W 7th St., Los Angeles, at \$363,869 awarded contract by State Highway Commission to grade and surface with oil treated crushed gravel or stone, 23.7 miles between 6 miles west of Baker and Halloran Summit. Complete list of unit and total bids on this project published in issue of July 6.

SAN FRANCISCO—A. G. Raisch, 46 Kearny St., at \$125,714 with concrete curbs, awarded contract by Board of Public Works for grading and surfacing the Mather Hetch Hetchy Road. This work is necessary to fulfill the city's obligation to the Baker Act in connection with the Hetchy Hetchy water project and for which the supervisors has appropriated \$250,000. Complete list of unit and total bids received on this project published in issue of July 9.

CARMEL, Monterey Co., Cal.—Until August 5, bids will be received by Sadie Van Brower, city clerk, (502) to improve Mission St. bet. Ocean and 8th Aves., involving grading, monolithic hyd. cement concrete curbs and gutters, waterbound macadam pavement consisting of local quarried material, hyd. cement concrete catchbasins, corr. iron pipe culverts, hyd. cement concrete storm sewer pipe, 24-inch and 30-inch dia. 1911 Act. Bond Act 1915. (Estimated cost, \$10,000). Plans on file in office of clerk and obtainable from Cozzens and Davies, engineers, Salinas.

KERN COUNTY, Calif.—Oilfields Turk Co., Inc., Taft, at \$2.33 per barrel, awarded contract by State Highway Commission for treating with heavy fuel oil, 30.6 miles between Democrat Springs and the Weldon Rd.

CALAVERAS COUNTY, Cal.—Geo. French, Jr., Stockton, at \$11,241 awarded contract by State Highway Commission to surface with bituminous treated crushed gravel or stone, 2.8 miles between 1.4 miles north of Calaveritas Creek and 1.4 miles south of Calaveritas Creek.

SANTA MARIA, Santa Barbara Co., Cal.—Santa Maria Construction Co., Santa Maria, submitted only bid to

city council July 6, at \$6200 to improve West Main St. and Miller St., involving about 6 blocks of 1½-in. oil macadam, 30 ft. wide, on Main St., and about 7 blocks, 24-ft. wide, on Miller St. The bid was rejected and the work will be done by the city.

SAN FRANCISCO—Until July 29, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to improve Rankin Street between Oakdale and Palou Avenues, and between Quesada and Revere Avenues, involving:

(1) 300 lin. ft. armored conc. curb;
(2) 102 lin. ft. 6-in. V.C.P. side sewer
(3) 3,400 sq. ft. asphalt conc. pavement, 2-in. asph. conc. surface on 6-in. class F concrete base;
(4) 1,700 sq. ft. class E conc. pavement.

Certified check 10% payable to the Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineering, 3rd floor, City Hall.

SAN RAFAEL, Marin Co., Calif.—County supervisors start proceedings to improve various streets in the Kentfield District, involving:

(1) 1329 cu. yds. sidewalk excavation;
(2) 1450 cu. yds. borrow;
(3) 8510 lin. ft. combined curb and gutter;
(4) 2090 sq. ft. sidewalk;
(5) 31,960 sq. ft. crushed rock sidewalk;
(7) 2 catchbasins complete with frames and gratings;
(7) 2 catchbasins reconstructed with frames and gratings;
(8) 91 lin. ft. 12-in. corrugated iron pipe;
(9) 50 lin. ft. 15-in. corrugated iron pipe.

George Manley, San Anselmo, is engineer on this project.

TULARE COUNTY, Cal.—Until August 5, 2 P. M., bids will be received by State Highway Commission to grade and pave with Portland cement concrete, 7.6 miles between Tipton Crossing and Tulare.

MONTEREY, Monterey Co., Calif.—Clark & Henery Const. Co., Chancery Bldg., San Francisco, awarded contract by city council at \$962 sq. ft. (3146) to improve Hoffman Ave. bet. Ocean View Ave. and Lighthouse Ave. and from Lighthouse Ave. to Hawthorne Street and Prescott Ave. from Ocean View Ave. to Lighthouse Ave. and from Lighthouse Avenue to Hawthorne St., involving 60,600 sq. ft. 1½ inch asphalt macadam surface. Granite Const. Co., Watsonville, only other bidder at \$9,725 sq. ft.

MONTEREY, Monterey Co., Calif.—Clark & Henery Const. Co., Chancery Bldg., San Francisco, awarded contract by city council (3137) to improve

David Avenue bet. Hawthorne and Pine Sts., and from Pine St. to west city limits, involving: (a) 105,200 sq. ft. 1½-in. asphalt macadam surface pavement, \$.062 sq. ft.; (b) 600 lin. ft. 4-in. house connection sewers, \$.90 lin. ft. Granite Const. Co., Watsonville only other bidder at (a) \$.0675; (b) \$.1.

SHASTA COUNTY, Cal.—Until August 5, 2 P. M., bids will be received by State Highway Commission to surface with untreated crushed gravel or stone and surfacing material stockpiled, 9.3 miles between Diddy Hill and Montgomery Creek.

FRESNO, Fresno Co., Calif.—Until July 24, 11 A. M., bids will be received by H. S. Foster, city clerk, for grading and paving E Tulare Street between Sixth and N Ninth Streets. County supervisors will pay \$4,500 of the total cost. Certified check 10% payable to city required with bid. Plans obtainable from Jean L. Vincenz, city engineer.

SAN BERNARDINO COUNTY, Cal.—Crook & Henno, 2270 Hidalgo, Los Angeles, at \$102,975 submitted low bid to U. S. Bureau of Public Roads to grade Section A, Route 68, Mill Creek National Forest Highway in San Bernardino County, 1.266 miles in length. A complete tabulation of the bids received will be found on page five of this issue.

CAKDALE, Stanislaus Co., Cal.—City Engineer Hussey (Hussey and Belcher), Syndicate Bldg., Oakland, authorized by city council to prepare plans to improve F Street from Mann Ave. to E St., involving a 3¼-inch surface on present pavement, 18-ft. wide, together with some hydraulic concrete pavement.

SACRAMENTO, Cal.—Carl R. Fiedler, 2631 30th St., Sacramento, awarded contract by city council (2307) to improve alley between J and K. 28th and 29th Sts., involving grading; c. i. drains with vit. sewer pipe connections; construct vit. sewers; reconstruct manhole; install one-inch water main connections, grading, hydraulic concrete pavement.

HUMBOLDT COUNTY, Cal.—Until July 23, 2 P. M., bids will be received by F. W. Haselwood, district engineer, State Highway Commission, to surface with untreated crushed gravel or stone, 1.4 miles between Red Crest and Holmes Road. Plans obtainable from district engineer at Eureka.

LASSEN COUNTY, Cal.—Capital Construction Co., Sacramento, at \$18,667.30 awarded contract by State Highway Commission for oiling 7.5 miles and surfacing 4.3 miles with selected material, between Doyle and Long Valley Creek. Complete list of unit and total bids received on this project published in issue of July 13.

CONTRACTORS' MACHINE WORKS

SPECIALISTS ON REPAIRING AND REBUILDING OF

Bunkers, Hoppers, Chuting, Conveyors, Rollers, Mixers, Hoists, Shovels, Tractors, Pavers, Crushers, Drag Lines, Elevators, Car Unloaders, and other Road and Building Equipments;

BLACKSMITHING AND WELDING

Builders of Rosenberg Portable Car Unloaders

CREAR & BATES

57 Zoe St., bet. 3rd and 4th, off Brannan St.

Phone GARfield 4374

San Francisco

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
1016	University	Scully	125000
1017	Mahany	Perry	5000
1018	Magnin	Mullen	1500
1019	Ferrero	Murer	20800
1020	Doelger	Doelger	8000
1021	Atanamy	Owner	1100
1024	Bothin	Siegrist	2000
1025	West	Prout	9000
1026	Johnson	Owner	2500
1027	Isaacson	Owner	3500
1028	Holmgren	Owner	4000
1029	Muzio	Owner	10000
1022	Normant	Owner	3500
1023	Anderson	Owner	8000
1030	Chutes-at-Beach	Soracco	1000
1031	Wilson	Mullen	3500
1032	Gordon	Owner	4000
1033	Garibaldi	Grisenti	5500
1034	Peterson	Owner	3450
1035	Pennino	Andersen	1150
1036	Johnson	Owner	4000
1037	Mt. Zion	Owner	5000
1038	Thompson	Hobbs	4000
1039	Magrath	Meadowcroft	7000
1040	Meyran	DeLuca	6000
1041	Meyer	Owner	4000
1042	Meyer	Owner	4000
1043	Bernhardt	Owner	3000
1044	Meyer	Owner	4000

HOME

(1016) W UNIVERSITY bet. Bacon and Burrows; three-story & basement class C Old Ladies' Home. Owner—University Mound Old Ladies' Home, Inc., 1126 Phelan Bldg. Architect—A. I. Coffey and M. Rist, Phelan Bldg. Contractor—J. E. Scully, Phelan Bldg. \$125,000

DWELLING

(1017) S ALTON 109 E Pacheco; one-story and basement frame dwelling. Owner—C. Mahany, 576 40th Ave. Plans by Contractor. Contractor—F. K. Perry, 883 41st Ave. \$5000

ALTERATIONS

(1018) SW GEARY ST. and Grant Ave.; alterations to store for entrances. Owner—J. Magnin Co., O'Farrell and Stockton Sts. Plans by N. E. Mears, 60 Rausch St. Contractor—Mullen Mfg. Co., 60 Rausch St. \$1500

APARTMENTS

(1019) NE COR. MONTEREY Blvd. and Forester; two- and three-story and basement frame (four) apartments and store. Owner—L. Ferrero, 165 Brighton Ave. Architect—J. A. Porporato, 619 Washington St. Contractor—L. Murer, 1815 Mason St. \$20,800

DWELLINGS

(1020) W 17th AVE. 25 S Judah St.; two 1-story and basement frame dwellings. Owner—F. Doelger, 743 Irving St. Plans by B. K. Dobkowitz, 425 Monterey Blvd. Contractor—H. Doelger, 300 Judah St. each \$4000

ALTERATIONS

(1021) 2822 23rd STREET; alterations store to SE COR. FAITH and San Bruno; two-story class C store and cannery. Owner—F. R. Atanamy, 2822 23rd St. Plans by Owner. \$1100

DWELLING

(1022) E 22nd AVE. 93 S Noriega; 1-story and basement frame dwelling. Owner—G. R. Normant, 550 Victoria Street. Plans by Owner. \$3500

DWELLINGS

(1023) E 25th AVE. 175 N Santiago; two 1-story and basement frame dwellings. Owner—N. M. Anderson, 2427 24th Avenue. Architect—Not Given. each \$4000

ALTERATIONS

(1024) SE COR. POLK and Jackson; alterations to stores. Owner—Bothin Real Estate Co., 604 Mission St. Engineer—N. B. Green, Sharon Bldg. Contractor—F. R. Siegrist, 604 Mission St. \$2000

FLATS

(1025) S CHESTNUT 87 E Baker; two-story and basement frame (2) flats. Owner—S. A. West, 885 Harrison St. Plans by D. E. Jackle, 744 Call Bldg. Contractor—J. Prout, 515 Magellan. \$9000

DWELLING

(1026) E 21st AVE. 125 S Noriega; 1-story and basement frame dwelling. Owner—A. C. Johnson, 1045 Rivera. Plans by Owner. \$2500

DWELLING

(1027) W 15th AVE. 200 N Rivera; one-story frame dwelling. Owner—F. Isaacson, 643 Joost Ave. Plans by Owner. \$3500

DWELLINGS

(1028) SE ROLPH and Munich; two one-story and basement frame dwellings. Owner—Y. Holmgren, 55 Allison St. Architect—Not Given. each \$4000

STORE & CANNERY

(1029) NW COR. FAITH and San Bruno; two-story class C store and cannery. Owner—Muzio Packing Co., 2499 Howard Street. Plans by P. F. De Martini, 948 Broadway. \$10,000

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - California

CONCESSION

(1030) MIDWAY bet. Cabrillo and Balboa Sts., parallel Great Highway; one-story frame concession. Owner—Chutes-at-the-Beach. Plans by Owners. Contractor—F. A. Soracco, 127 30th Street. \$1000

ALTERATIONS

(1031) 708 CLEMENT ST.; alterations to store and restaurant. Owner—Ernest Wilson Co., 333 5th Street. Plans by N. B. Mears, 60 Rausch St. Contractor—Mullen Mfg. Co., 60 Rausch St. \$3500

DWELLING

(1032) N RUSSIA 25 E Paris; one-story and basement frame dwelling. Owner—H. Gordon, 312 Hanover St. Plans by Owner. \$4000

STORE & DWELLING

(1033) NW ONONDAGA and Ostega; two-story and basement frame store and dwelling. Owner—G. Garibaldi, 45 Oakwood St. Plans by Contractor. Contractor—J. Grisenti, 124 Louisburg Street. \$5500

DWELLING

(1034) W 24th AVE. 175 N Wawona; one-story and basement frame dwelling. Owner—E. Peterson, 2225 15th St. Plans by Owner. \$3450

DWELLING

(1035) SW 22nd ST. and Carolina; one-story frame dwelling. Owner—C. Pennino, 580 Green St. Plans by B. K. Dobkowitz, 425 Monterey Blvd. Contractor—P. Andersen, 2471 26th Avenue. \$1150

DWELLING

(1036) W 37th AVE. 133 S Anza St.; one-story and basement frame dwelling. Owner—P. P. Johnson, 225 Lincoln Way. Architect—Not Given. \$4000

ALTERATIONS

(1037) COR. POST AND SCOTT STS. Alterations to hospital entrance. Owner—Mt. Zion Hospital, Post and Scott Sts., San Francisco. Architect—Not Given. \$5000

DWELLING

(1038) W SEVENTEENTH AVE. 175 S Moraga. One-story and basement frame dwelling. Owner—N. Thompson, 2700 Anza St., San Francisco. Architect—Not Given. Contractor—R. P. Hobbs, 818 Shrader St., San Francisco. \$4000

DWELLINGS

(1039) N KIRKHAM 57 W Twenty-fourth Ave. Two one-story and basement frame dwellings. Owner—Miss M. Magrath, 1144 Paloma Ave., San Francisco. Plans by F. E. Meadowcroft, 1459 25th Ave., San Francisco. Contractor—F. E. Meadowcroft, 1459 25th Ave., S. F. \$3500 each

ALTERATIONS

(1040) 648 FELL ST.; remodel apts. owner—E. Meyran, 648 Fell St. Plans by R. K. Dobkowitz, 425 Montgomery Blvd.
Contractor—De Luca & Son, 666 Mission St. \$3000

DWELLING

(1041) N TERESITA 178 W Reposal; one-story and basement frame dwelling
Owner—Meyer Bros., 727 Portola Dr. Plans by Owners. \$4000

DWELLING

(1042) S JUANITA 374 E Lansdale; one-story and basement frame dwelling.
Owner—Meyer Bros., 727 Portola Dr. Plans by Owners. \$4000

DWELLING

(1043) E 19th AVE. 250 S Taraval; one-story and basement frame dwelling.
Owner—A. Bernhardt, 2406 22nd Ave. Plans by Owner. \$3000

DWELLING

(1044) W CHARES 101 S Evelyn; one-story and basement frame dwelling.
Owner—Meyer Bros., 727 Portola Dr. Plans by Owners. \$4000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
143	Excelsior	Clinton	43471
144	R C Archbishop	Forster	3620
145	Excelsior	Derbyshire	3450

REMODELING

(143) E MISSION 162 S Brazil S 13S E 183-6 N 125 W 100 N 13 W 83-6. All work for remodeling Excelsior Theatre.
Owner—Excelsior Amusement Co., Inc. Premises.

Architect—Frederick H. Meyer, 742 Market St., San Francisco.
Contractor—Clinton-Stephenson Construction Co., Ltd., Monadnock Bldg., San Francisco.

Filed July 10, '31. Dated July 8, '31. On 2nd and 16th of each month 75% Usual 35 days. TOTAL COST, \$43,471
Bond, \$43,471. Surety, Commercial Casualty Insurance Co. Limit, 72 days. Forfeit, none. Plans and specifications filed.

PLUMBING

(144) S 16th ST. bet. Dolores and Church Sts.; plumbing for toilet room No. 16, Aug. 5; plumbing for whole bldg., Oct. 6.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St. Architect—H. A. Minton, Underwood Bldg.
Contractor—Wm. J. Forster, 355 4th Street.
Filed July 13, '31. Dated June 13, '31. Progress payments.

TOTAL COST, \$3620
Bond: \$372; \$3720. Sureties, Aetna Casualty & Surety Co. Plans and Spec. filed.

(145) E MISSION ST. 162 S Brazil Ave. E 183-6 N 125 W 100 N 13 W 83-6. All work for remodeling Excelsior Theatre.
Owner—Excelsior Amusement Co., Inc. Premises.

Architect—F. H. Meyer, 525 Market St., San Francisco.
Contractor—W. M. Derbyshire, 95 28th St., San Francisco.

Filed July 14, '31. Dated July 8, '31. On 2nd and 16th of each month 75% Usual 35 days. TOTAL COST, \$3450

Bond, \$3450. Surety, American Bonding Co. of Baltimore. Limit, 72 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded July 11, 1931—SE MADRID 250 SW

Russia Ave SW 25 x SE 100 pt lot 2 blk 29 Excel Hd Assn. Luigi and Angelita Flagliello to whom it may concern. July 9, 1931

July 11, 1931—S NORTH POINT St 180 E Fillmore E 25 x S 137-6. Jas W and Emma McCabe to whom it may concern. July 9, 1931

July 11, 1931—LOT 6 BLK 7 Peoples Hd. Assn. Wm C and Mary E Blecher to Wm Harmon. July 9, 1931

July 10, 1931—ROOMS 601-602, 485 California St. Bank of America to Home Mfg Co, Inc. July 6, 1931

July 11, 1931—W 33rd AVE 275 S Judah. E Larson to whom it may concern. July 10, 1931

July 11, 1931—W 17th AVE 225 S Moraga S 25 x W 120. Thos D and R Gilpin to R P Hobbs. July 10, 1931

July 10, 1931—E WISCONSIN 172-4 and 272-6 S Twentieth S 25x100. B Rodriguez to whom it may concern. June 10, 1931

July 10, 1931—NW BRUNSWICK 153 NE Lowell NE 25xNW 106-6. Harold B and Evelyn B Barber to whom it may concern. July 9, 1931

July 10, 1931—W FAXON AVE 25 N Grafton Ave N 25xW 75 Ptn Lots 1 2 and 3 Blk 22, Lakeview. Carl H and Laura S Spitzer to Aetna Constr Co.; Will Duerner Jr and The McCarthy Co. June 12, 1931

July 10, 1931—LOT 11 BLK 3271, Mt. Davidson Manor. Gordon W Morris to whom it may concern. July 10, 1931

July 9, 1931—W 25th AVE 100 North Fulton N 40 x W 120. P Anderson to whom it may concern. July 9, 1931

July 9, 1931—823 GRANT AVENUE. L C Dick to F R Siegrist. July 2, 1931

July 9, 1931—SW DETROIT AND Flood W 100 x S 25. Mary A Power to T R Cuddy. July 8, 1931

July 8, 1931—E THIRTY-THIRD Ave 125 S Judah 25x120. P S Miller to whom it may concern. July 8, 1931

July 8, 1931—E ALABAMA 104 N 22nd N 26 x E 100. Andrew J Conway to James R Smith. July 7, 1931

July 8, 1931—S STAPLES AVE 200 W Forester 25x100. A R and A C Peterson to whom it may concern. July 8, 1931

July 8, 1931—25th and VALENCIA. Associated Oil Co to J A Grant. July 8, 1931

July 8, 1931—E 32nd AVE 225 S Judah 25x120. Gordon Leask to whom it may concern. July 3, 1931

July 14, 1931—NW LAWTON and 21st Ave N 25 x W 95. J and S E Carlson to J Carlson. July 14, 1931

July 14, 1931—LOTS 35, 36, 37, 38, 39 Blk 6971-A Sub No 2 Geneva Terraces, W 25th Ave 225 N Vicente N 25 x W 120; W 25th Ave 250 and 275 N Vicente N 25 x W 120; E 26th Ave 275, 225, 250 N Vicente N 25 x E 120. H and H Stoneson to whom it may concern. July 9, 1931

July 14, 1931—E 25th AVE 125 and 100 S Rivera S 25 x E 120. W P Coles to whom it may concern. July 13, 1931

July 14, 1931—SW NEWCOMB 200 NW Newhall NW 25 x SW 100. Joseph V and Rose M Caron to whom it may concern. July 1, 1931

July 14, 1931—E 32nd AVE 150 and 175 S Kirkham S 25 x E 120. Henry Doelger to whom it may concern. July 10, 1931

July 13, 1931—W 17th AVE 125 and 100 S Lawton S 25 x W 120. Mary A and Michael D Hardman to whom it may concern. July 13, 1931

July 13, '31—NW BRUNSWICK 128 NE Lowell NE 25 x NW 106-6. Harold B and Evelyn B Barber to whom it may concern. July 9, 1931

LIENS FILED

San Francisco County

Recorded Amount

July 8, 1931—SW SAN BRUNO Ave 134 NW Burrows NW 41 x SW 120. N Portnoy vs B Stone. \$95

July 14, 1931—SE MARKET ST 150-0 1/2 NE 7th St SE 165-1 NW 150-0 1/2 NE 75 NW 165-1 SW 75. P H Donnelly vs Henry I Beller Const Co, Feature Theatre Co, Ltd, M Markowitz, S F Entertainment, Inc, Boston & S F Amusement Co, H L and M Cohen, United Artists Theatres of Calif, Ltd, W S Heller and W A Haas. \$2506.25

July 14, 1931—SW SAN BRUNO Ave 134 NW Burrows NW 41 x SW 120. P J Kelley vs B Stone. \$614

July 14, 1931—SW SAN BRUNO Ave 134 NW Burrows NW 41 x SW 120. Central Hardware & Glass Co vs B and A Stone. \$220.83

July 13, 1931—W SAN BRUNO AVE 130 NW Burrows NW 41 x SW 120. E N Smith vs B Stone. \$74

July 13, 1931—W SAN BRUNO AVE 134 NW Burrows NW 41 x SW 120. Covitt Bros vs B Stone. \$138

July 13, 1931—567 WALLER Street. Bear Flooring vs F Frazee. \$71.56 (Correction in Date)

July 10, 1931—S UNION ST. 187-6 W Larkin St W 50 x S 130. M Paternick vs Joseph H Rucker & Co and E T E Cardoza. \$78.50

BUILDING PERMITS

Alameda County

No. Owner Contractor Amt.

800 Reed Monez 5000

801 Jensen Jensen 5000

802 Lodge Owner 4000

803 Spaggiari Owner 2500

804 McIsroy Hoyt 1400

805 Youell Power 30000

806 Netheby Owner 3000

807 Towle Owner 1000

808 City of Berkeley McBride 14357

809 Thatcher Anderson 3000

810 Levy Owner 1000

811 Peacock Smith 1000

812 Stutterd Owner 1000

813 Glibal Jacobs 2850

814 Martino Durgin 3000

815 Quaker Douglas 2000

816 Jurich Edwards 1800

817 Davidson Owner 35000

818 Draskovich Owner 2500

819 Zache Owner 2300

820 Colby Person 14795

821 Santoni Owner 1000

822 Twentieth Mullen 1000

823 Meyers Johnstone 2500

824 Oakland Stoltz 2850

DWELLING

(800) 832 ALMA AVE., OAKLAND; two-story 6-room dwelling.
Owner—D. Reed, 3742 Ardley Avenue, Oakland.
Architect—Not Given.

Contractor—A. H. Monez, 1700 Leimert Blvd., Oakland. \$5000

DWELLING

(801) N COCHRANE 180 E Agnes St. OAKLAND; two-story seven-room dwelling.

Owner—Mrs. N. Jensen, 5824 Ayala Ave., Oakland.
 Architect—Not Given.
 Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland. \$5000

DWELLING
 (802) 2481 80th AVENUE, OAKLAND
 one-story 6-room dwelling.
 Owner and Builder—C. F. Lodge, 749 Collier Ave., San Leandro. \$4000
 Architect—Not Given.

RESIDENCE
 (803) NO. 1439 PARKER ST., BERKELEY. One-story 5-room 1-family frame residence.
 Owner—Louis Spaggiari, 912 44th St., Oakland.
 Architect—Not Given. \$2500

ALTERATIONS
 (804) NO. 1071 INDIAN ROCK AVE., BERKELEY. Alterations.
 Owner—H. H. McElsoy.
 Architect—Not Given.
 Contractor—H. P. Hoyt, 325 Front St., San Francisco. \$1400

ALTERATIONS
 (805) 3601 TELEGRAPH AVENUE, OAKLAND; alterations and additions.
 Owner—Frank J. Youell, 3001 Telegraph Ave., Oakland.
 Architect—R. F. DeSanno, 2582 Milvia St., Berkeley.
 Contractor—J. J. Power. \$30,000

DWELLING
 (806) N PROCTOR AVE. 200 E Alta Road, OAKLAND; one-story five-room dwelling.
 Owner and Builder—W. A. Netherby, 3853 Lyman Road, Oakland.
 Architect—Not Given. \$3000

ALTERATIONS
 (807) 3012 MYRTLE ST., OAKLAND; alterations.
 Owner and Builder—J. T. Towle, 864 Dutton Ave., San Leandro.
 Architect—Not Given. \$1000

RECREATION BLDG.
 (808) NO. 1720 EIGHTH ST., BERKELEY. One-story recreation building.
 Owner—City of Berkeley.
 Architect—Jas. W. Plachek, 404 Mercantile Bank Bldg., Berkeley.
 Contractor—R. C. McBride Jr., 2322 Le Conte Ave., Berkeley. \$14,357

REPAIRS
 (809) NO. 722 RAND AVE., OAKLAND. Fire repairs.
 Owner—Frank Thatcher, 901 Longridge Road, Oakland.
 Architect—Not Given.
 Contractor—C. M. Anderson, 1853 9th Ave., Oakland. \$3000

ALTERATIONS
 (810) NE SIXTEENTH ST. AND San Pablo Ave., OAKLAND. Alterations.
 Owner—Levy Estate Co., 16th St. and San Pablo Ave., Oakland.
 Architect—Not Given. \$1000

ADDITIONS
 (811) NO. 1846 EIGHTH ST., ALAMEDA. Add to frame dwelling.
 Owner—George Peacock, 1846 8th St., Alameda.
 Architect—Not Given.
 Contractor—H. M. Smith, 1523 California St., Berkeley. \$1000

ADDITION
 (812) NO. 4818 BROOKDALE AVE., OAKLAND. Addition.
 Owner—H. J. Stutter, 4818 Brookdale Ave., Oakland.
 Architect—Not Given. \$1000

GARAGE
 (813) SW FRUITVALE AND SLOAN AVE., OAKLAND. One-story brick garage.

Owner—A. P. Gilhal, Nova Drive, Piedmont.
 Architect—Not Given.
 Contractor—Jacobs & Pattiani, 337 17th St., Oakland. \$2850

DWELLING
 (814) E JONES AVE. 200 N Olive St., OAKLAND. One-story 6-room dwelling.
 Owner—Guido S. Martino, 2214 Jones Ave., Oakland.
 Architect—Not Given.
 Contractor—Ward Durgin, 3922 La Cresta Ave., Oakland. \$3000

WALL
 (815) NW FORTY-SEVENTH AVE. and E-12th St., OAKLAND. Retaining wall.
 Owner—Quaker State Oil Co.
 Architect—Not Given.
 Contractor—Douglas & Wolfe, 3961 Vale Ave., Oakland. \$2000

ALTERATIONS
 (816) NO. 707 HENRY ST., OAKLAND. Alterations and repairs.
 Owner—M. Jurich, 707 Henry St., Oakland.
 Architect—Not Given.
 Contractor—H. J. Edwards, 1215 Poplar St., Oakland. \$1800

ALTERATIONS
 (817) NO. 1970 BROADWAY, OAKLAND. Alterations.
 Owner—Davidson & Licht, 1318 Broadway, Oakland.
 Architect—Wm. Knowles, 1214 Webster St., Oakland. \$35,000

DWELLING
 (818) NO. 2866 COOLIDGE AVENUE (rear), OAKLAND. One-story 6-room dwelling.
 Owner—Frank Draskovich, 3866 Coolidge Ave., Oakland.
 Architect—Not Given. \$2500

ALTERATIONS
 (819) NO. 3424 HALEY AVE., OAKLAND. Alterations.
 Owner—Martin C. Zache, 3420 Haley Ave., Oakland.
 Architect—Not Given. \$2300

DWELLING
 (820) S STONEWALL ROAD, LOT 14, OAKLAND. Two-story 3-room dwelling.
 Owner—H. V. Colby.
 Architect—W. W. Wurster, 260 California St., San Francisco.
 Contractor—Emil Person, 829 San Luis Road, Berkeley. \$14,795

STORE
 (821) NO. 2434 SAN PABLO AVE., BERKELEY. One-story one-room Class C store.
 Owner—C. Santoni, Manodnick Way, Oakland.
 Architect—Not Given.
 Contractor—W. K. Owen, 3145 Plettner Ave., Oakland. \$1000

ALTERATIONS
 (822) NO. 1908 TELEGRAPH AVE., OAKLAND. Alterations.
 Owner—Twentieth and Broadway Realty Co., 20th and Broadway, Oakland.
 Architect—A. J. Evers, 525 Market St., San Francisco.
 Contractor—Mullen Mfg. Co., 60 Rausch St., S. F. \$1000

DWELLING
 (823) N WALNUT 250 E 92nd Ave., OAKLAND. One-story five-room dwelling.
 Owner—Henry Meyers, 9231 Walnut St., Oakland.
 Architect—Not Given.
 Contractor—J. D. Johnstone, 1810 94th Ave., Oakland. \$2500

CLEANING WORKS

(824) S THIRTIETH ST. 150 W Grove St., OAKLAND. One-story 2-story brick and concrete cleaning and dyeing works.
 Owner—Oakland Laundry Co., 720 29th St., Oakland.
 Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
 Contractor—F. C. Stolte, 3499 Laguna Ave., Oakland. \$2850

**BUILDING CONTRACTS
 ALAMEDA COUNTY**

106 Oakland	Scott	3710
107 Andrews	Schulz	16000
108 United	Beller	76800
109 Howard	Rosenberg	591
110 Same	Albertson	20153
111 Regents	Carrier	14070
112 Colby	Person	14795
113 Roman	McCullough	16985
114 Berkeley	McBride	14307
115 Carlisle	Johnston	2690
116 Haaf	Windsor	9500

ELECTRICAL WORK

(106) 730 29th STREET, Oakland; electrical work on laundry bldg.
 Owner—The Oakland Laundry Co., Oakland.
 Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
 Contractor—Scott—Buttner Elec. Co., 19th and Grand, Oakland.
 Filed July 9, '31. Dated July 8, '31.
 Every 15 days 75%
 Usual 35 days 25%
TOTAL COST, \$3710
 Bond, \$3710. Sureties, Globe Indemnity Co. Forfeit, \$25 per day. Limit, 40 days. Plans and Spec. filed.

RESIDENCE

(107) LOT 15, Holabird-Garber Tract (S Stonewall Road), Oakland; general construction on residence.
 Owner—William S. and Anne Biddle Andrews.
 Architect—Raymond W. Jeans, 605 Market St.
 Contractor—Herbert K. Schulz also known as H. K. Schulz, 511 Mendocino, Oakland.
 Filed July 9, '31. Dated July 6, '31.
 When frame is up \$3750
 When plastered 3750
 When accepted 3750
 Usual 35 days 4750
TOTAL COST, \$16,000
 Bond, \$16,000. Sureties, National Surety Co. Limit, Oct. 15, 1931. Plans and Spec. filed.

THEATRE & STORE

(108) SHATTUCK AVE. and Bancroft Way, Berkeley; general construction on theatre and store building.
 Owner—United Artists Theatres of California, Ltd.
 Architect—Walker & Eisen, Ltd., and C. A. Balch, 1113 Western Pacific Bldg., Los Angeles.
 Contractor—Henry I. Beller Const. Co. Ltd., 580 Market St., San Francisco.
 Filed July 10, '31. Dated June 4, '31.
 Semi-monthly 85%
 Usual 35 days Balance
TOTAL COST not to exceed \$76,800
 Bond: Labor and Material, \$46,000; Performance, \$76,800. Sureties, Mass. Bonding and Ins. Co., The Home Indemnity Co. Limit, 120 days. Plans and Spec. filed.

ELECTRICAL WORK

(109) FIRST and Markets Sts., Oakland; electrical work for warehouse.
 Owner—Howard Terminal (a corp.), First and Market Sts., Oakland.
 Architect—Reed and Corlett, Oakland Bank Bldg., Oakland.

Contractor—T. L. Rosenberg, doing business as T. L. Rosenberg Co., Filed July 10, '31. Dated July 7, '31.
Tenth of each month.....75%
Usual 35 days.....25%
TOTAL COST, \$591.50

(110) AUTOMATIC SPRINKLER system on above.
Contractor—Albertson - McCormick Sprinkler Co., 865 Mission Street, San Francisco.
Filed and Dated July 10, 1931.
Tenth of each month.....75%
Usual 35 days.....25%
TOTAL COST, \$20,153

Bond \$20,000. Sureties, American Employers Ins. Co. Limit, 90 days. Plans and Spec. filed.

REFRIGERATION, ETC.

(111) HILGARD HALL, Campus of University of California, Berkeley. All work for refrigeration and air conditioning equipment.

Owner—The Regents of the University of Calif., Berkeley.

Architect—Eng. Division, Dept. of Grounds and Bldgs., University of California, Berkeley.

Contractor—Carrier Engineering Corporation, Ltd., 748 Washington St., Los Angeles.

Filed July 11, '31. Dated June 5, '31.
On 1st of each month.....75%
Usual 35 days.....Balance

TOTAL COST, \$14,070
Bonds (2), performance, \$7050; labor and materials, \$7050. Surety, U. S. Guarantee Co. Limit, 90 days. Forfeit, \$15 per day. Plans and specifications filed.

RESIDENCE

(112) LOT 14, Walabird-Garber Trct., Oakland. All work for residence. Owner—Henry V. and Ruth H. Colby. Architect—W. W. Wurster, 260 California St., San Francisco.

Contractor—Emil Person.
Filed July 11, '31. Dated July 10, '31.
Frame up.....34
1st coat plaster on.....34
When accepted.....34
Usual 35 days.....34

TOTAL COST, \$14,795
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(113) ST. PATRICK'S SCHOOL, Oakland. Alterations to school buildings.

Owner—The Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.

Architect—Albert J. Loubert, 167 Hillcrest Road, Berkeley.

Contractor—Chas. H. McCullough, Filed July 11, '31. Dated July 10, '31.
On 1st of each month.....75%
Usual 35 days.....Balance

TOTAL COST, \$16,985
Bond, \$16,985. Surety, Standard Accident Insurance Co. Limit, August 10, 1931. Forfeit, none. Plans and specifications filed.

RECREATION BLDG.

(114) SEVENTH, EIGHTH, DELAWARE and Virginia Sts., Berkeley. All work for recreation building.

Owner—City of Berkeley.
Architect—James W. Plachek, Mercantile Bank Bldg., Berkeley.

Contractor—R. C. McBride Jr., 2326 Le Conte Ave., Berkeley.

Filed July 11, '31. Dated July 10, '31.
Each 30 days.....75%
Usual 35 days.....Balance

TOTAL COST, \$14,357
Bonds (2) performance, \$7178.50 and labor and materials, \$3589.25. Surety Globe Indemnity Co. Limit, 80 days. Forfeit, none. Plans and specifications filed.

DWELLING

(115) NE MINUTURN ST. and Pacific Ave., Alameda; general construction on 4-room English dwelling.

Owner—John Carlisle, Alameda.

Plans by Contractor.

Contractor—W. James Johnston, 220 Santa Rosa Ave., Oakland.
Filed July 10, '31. Dated July 13, '31.
When frame is up.....\$807
When brown coated.....807
When accepted.....807
Usual 35 days.....269

TOTAL COST, \$2690
Bond, \$2690. Sureties, Associated Indemnity Corp. Forfeit, \$1 per day. Limit, 90 days. Plans and Spec. filed.

DWELLING

(116) PTN LOT 10 BLK 1, Martin Kellogg Tract, Berkeley; general construction on 2-story and basement 3-room frame and stucco dwelling.

Owners—Henry J. and Margery M. Haaf, 2215 Derby St., Berkeley.
Architect—Edwin Lewis Snider, 2102 Addison St., Berkeley.

Contractor—Geo. Windsor, 928 Kingston, Piedmont.

Filed and Dated July 15, 1931.
When frame is up.....\$2375
First coat of plaster.....2375
When completed.....2375
Usual 35 days after.....2375

TOTAL COST, \$9500

Limit, 100 days.

COMPLETION NOTICES

Alameda County

Recorded Accepted

July 7, 1931 — NE NINETEENTH and Telegraph Ave., Oakland. Twentieth and Broadway Realty Co to G P W Jensen.....June 27, 1931

July 7, 1931—LOT 16 BLK H, Estudillo Estates, San Leandro. E A and Violet E Schmidt to whom it may concern.....July 7, 1931

July 8, 1931—PTN LOTS 5 AND 6 Bandon Terrace, Piedmont. E H and J W Sigwald to Sigwald Bros.....July 8, 1931

July 8, 1931—LOT 42 and S 20 Lot 41, Broadmoor Park, San Leandro R B Johnston to Charles W Falk.....July 3, 1931

July 8, 1931—LOT 291 BLK Q, Fernside, Alameda. Earl A Tweed to H E Tweed.....July 7, 1931

July 8, 1931—LOT 13, Grand Oak Tract, Oakland. Walter H Anderson to whom it may concern.....July 6, 1931

July 13, 1931—PIECE of certain t'c of land conveyed by Realty Syndicate Co to Nellie A Maxwell Nov 23, 1916 and recorded in Vol 2519 of Deeds page 260, Oakland. Gerald T and Anna J Kurtz to Bertram S Booth.....July 10, 1931

July 11, 1931—LOT 16 AND PTN Lot 15 Blk J, Trumbull Tract, Oakland. Thomas and Eleanor Griffiths to whom it may concern.....July 9, 1931

July 11, 1931—LOT 27 BLK J, Estudillo Estates, San Leandro. Chas W and Ada J Griffith to whom it may concern.....July 10, 1931

July 11, 1931—NO. 643 SAN LUIS Road, Berkeley. Robert L and Elizabeth M Robbins to David Kesti.....July 10, 1931

July 10, 1931—LOT 19 BLK 3, Highland Manor, Oakland. Herman E Stahlke to Leo J Dolan.....July 8, 1931

July 10, 1931—LOT 49 BLK M, Estudillo Estates, San Leandro. Chas W Griffith to whom it may concern.....July 8, 1931

July 10, 1931—LOT 18 BLK 4, Subdiv of Fruitvale Heights, Oakland. George A Hedberg to whom it may concern.....July 1, 1931

July 10, 1931—LOT 7 and Ptn Lot 6 Blk 2, Chevrolet Park, Oakland. L H and Wilma M Snyder to J H Pickrell.....July 1, 1931

July 9, 1931—LOT 3 BLK F, Claremont Pines Tract, Oakland. Alfred H Peasey to Self.....June 24, 1931

July 9, 1931—2809 OTIS DRIVE, Alameda. Sidney J Dowling to Self.....July 3, 1931

July 13, 1931—W BROADWAY 50 ft N of 17th St, Oakland. R C Bowles to R W Littlefield.....July 10, 1931

July 13, 1931—PTN LOT 3 BLK 5, North Cragmont, Berkeley. R C McBride, Jr to whom it may concern.....July 11, 1931

LIENS FILED

Alameda County

Recorded Amount

July 6, 1931—LOT 39 BLK A, Claremont Pines, Oakland. A Casquerro, \$280.50; H F Wells, \$100; F H Roerber, \$400 vs J M and Anna Olson.....

July 10, 1931—NO. 2370 MARIN AVE Berkeley. General Mill & Lumber Co vs Earl and Fraye M Converse.....\$320.95

July 10, 1931—NO. 910 CRAMONT Ave., Berkeley. General Mill & Lumber Co vs Earl and Fraye M Converse.....\$257.53

July 10, 1931—NO. 880 RODNEY DR. San Leandro. S W Porteous vs Catherine M and William B Moskiman.....\$614

July 13, 1931—LOT 46 BLOCK 4, South Lakeshore Glen, Oakland. A J Aaroe vs Mrs E G Angelo and Gordon Marchant.....\$628.56

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount

July 11, 1931—LOT 20 BLOCK 12, Lakeside Subdiv of Adam's Point Property, Oakland. J A Davis Co to Axel, Henry and Rachael Nelson and H A Driscoll Co.....\$183.52

July 7, 1931—LOTS 3 AND 4 and Ptn Lot 2, Wetherbee Farm Tract, Oakland. Federal Ornamental Iron & Bronze Co to Floyd H Steele and California Pacific Title & Trust Co.....\$1549.50

BUILDING CONTRACTS

SAN MATEO COUNTY

RESIDENCES

ATHERTON. All work for one-story frame and stucco residence and garage.

Owner—Mildred B. Kaufmann, Architect—George deColmesnil, 111 Sutter St., San Francisco.

Contractor—Louis N. Pollard, 1311 Hunter Duin Bldg., San Francisco

Filed July 6, '31. Dated March 20, '31
As work progresses.....75%
TOTAL COST, \$20,094

Bond, \$20,000. Surety, Firemans Fund Indemnity Co. Limit, 75 working days. Forfeit, none. Plans and specifications filed.

RESIDENCE

NE COR. BLK 18, Wooster, Whittom & Montgomery Sub., San Mateo. All work for one-story frame and stucco residence.

Owner—Wimar Wurm et al.
Architect—Gilbert Hodgson, Daniel Stafford Bldg., Redwood City.

Contractor—Emilie Berndtsen et al, Redwood City.

Filed July 6, '31. Dated June 23, '31.
Roof on.....\$895
When plastered.....895
When completed.....895
Usual 95 days.....895

TOTAL COST, \$3581
Bond, \$1750. Sureties, Allison B. Elliott and M. J. Iverson. Limit, Sept. 15, 1931. Forfeit, none. Plans and specifications filed.

STORE BLDG.

LOTS 4 AND 5 BLK 1, De Caulon Sub., Burlingame. All work for one-story reinforced concrete store building.
Owner—F. Peterson.
Architect—Ernest L. Norberg, 580 Market St., San Francisco.
Contractor—G. W. Williams Co., Ltd., Crawford Bldg., Burlingame.
Filed July 7, '31. Dated July 1, '31.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, guaranteed \$6700
Bond, \$— Limit, 60 working days.
Forfeit, none. Plans and specifications filed.

RESIDENCES

LOTS 8 AND 9 BLK 56, White Oak Subd. No. 2, San Mateo. All work for two one-story frame and stucco residences and garages.
Owner—Koff Realty Co., San Carlos.
Plans by C. E. Patten.
Contractor—C. A. Baker.
Filed July 6, '31. Dated July 1, '31.
Roofs on.....\$262.50
Brown coated.....262.50
Completed.....262.50
Usual 35 days.....262.50
TOTAL COST, \$2650.00
Bond, none. Limit, 90 working days.
Forfeit, none. Plans and specifications filed.

ADDITION

McKINLEY AND HOWARD AVE. Schools, Burlingame. All work for additions and alterations to two one-story frame and stucco school buildings.
Owner—Burlingame Grammar School District, Burlingame.
Architect—E. L. Norberg, 580 Market St., San Francisco.
Contractor—Ingvard Sorensen, Burlingame.
Filed July 8, '31. Dated July 6, '31.
As work progresses..... 75%
Usual 35 days..... 25%
Bonds (2) \$5446 each. Surety, United States Guaranty Co. Limit, 60 working days. Forfeit, \$5. Plans and specifications filed.

STORE BLDG.

LOTS 9, 10, 11 AND 24 Taylor Addition, San Mateo. All work for two-story reinforced concrete store building.
Owner—Levy Bros., 200 Second St., San Mateo.
Architect—A. Appleton et al, 68 Post St., San Francisco.
Contractor—Lengfeld & Olund, 145 N. El Camino, San Mateo.
Filed July 13, '31. Dated July 13, '31.
Concrete first floor.....\$10,000
1st floor completed..... 5,000
Ready for plaster..... 10,000
When plastered..... 10,000
Masonry and carpentry comp. 15,000
All work completed..... 20,000
Usual 35 days..... 18,278
TOTAL COST, \$38,278
Bond, \$45,000. Sureties, Hattie C. Lengfeld and Felix Lengfeld. Limit, Nov. 14, 1931. Forfeit, \$50. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
July 2, 1931—PART LOT 87, Wellesley Park. Hazel Morissette to Russell & Duncan.....	July 1, 1931
July 2, 1931—LOT 8 BLK 10, Edgewood Park. L. F. Borquin to whom it may concern.....	July 1, 1931
July 3, 1931—LOT 30 BLK L, Hayward Park, San Mateo. Hugo Hultberg to whom it may concern.....	July 1, 1931
July 3, 1931—LOTS 9 AND 10 BLK 21, East San Mateo. Lengfeld & Olund Ltd to whom it may concern (2 completions).....	July 2, 1931
July 3, 1931—LOT 8 BLK 11, Dingee	

Park. William J. Bridgehead et al to Isley Bros Inc..... July 2, 1931
July 3, 1931—LOT 5 BLK 5, High School Acres, South San Francisco. Santo Zucco et al to Antonio Planca..... July 2, 1931
July 3, 1931—LOT 94, Copuchino Golf Corp Subd., San Mateo. Holman E Winfrey et al to whom it may concern..... June 23, 1931
July 6, 1931—LOT 9 BLK 15, Burlingame Grove, Walter H Milne et al to B J Hargrave, June 30, 1930
July 6, 1931—LOTS 1 TO 22, Inc. Willbrough Place, G W Williams & Co Ltd to Western Paving Co et al..... July 1, 1931
July 6, 1931—PART LOT 5 BLK 7, Woodland Place. John Huss to C A Heald..... July 6, 1931
July 6, 1931—LOT 26 BLK 8, Hillcrest. Harry Borman et al to whom it may concern..... June 23, 1931
July 7, 1931—LOTS 23 AND 24 BLK 28, San Bruno. Andrew Asplund to whom it may concern..... June 20, 1931
July 8, 1931—LOT 25 BLK 7, Vista Grande. Harry Borman to Harry Borman..... June 23, 1931
July 8, 1931—LOTS 17 AND 18, 19 and 20 Elk A. Milbrae Park. Walter Thompson et al to whom it may concern..... July 6, 1931
July 8, 1931—LOT 16 BLK B, Milbrae Park. Walter Thompson et al to whom it may concern..... July 6, 1931
July 9, 1931—NO. 198 PORTOLA Road, San Mateo. John Francis Neylon to F E Stolte..... June 23, 1931
July 9, 1931—LOT 7 BLK 39, Redwood Highlands. Marshall K White to Buschke & Johnson..... July 9, 1931
July 9, 1931—LOT 11 BLK 18, Baywood. Albert J Feasey to whom it may concern..... July 8, 1931
July 10, 1931—LOT 42 BLK 6, Crocker Tract, San Mateo. Chester Schultz to whom it may concern..... July 7, 1931
July 10, 1931—LOT 26 BLK 56, East-co S A Dibble to whom it may concern..... July 10, 1931
July 11, 1931—LOTS 3 AND 5 BLK 58, White Oaks. Koff Realty Co to C S Baker (2 completions)..... July 7, 1931
July 13, 1931—LOT 11 BLK 54, Eastern Addition, San Mateo. Charles D Ellis to Keyoshi and Willie Masuo Nosaka..... July 13, 1931
July 13, 1931—LOTS 1 AND 2, Atherton Acres. A L De Luca to Stanley W Schaller..... July..... 1931
July 13, 1931—LOT 4 BLK 12, Lyon & Hoag Sub., San Carlos. E S Shaver to whom it may concern..... July 24, 1931
July 13, 1931—LOTS 22 AND 23 BLK 1, Part Redwood Farm. Domenico Firenze to Ferdinando Tann..... July 13, 1931

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
July 2, 1931—LOT 7 BLK 20, East San Mateo. Lawrence N Zant vs Morris R Lukens et al.....	\$70

July 2, 1931—LOTS 9 AND 10 BLK 5, San Bruno Park. N S Hartware Co vs W R Whit et al..... \$62.51
July 3, 1931—MEN L O PARK School District. Bruce Barton vs Mamie L Pembrake..... \$151.75
July 6, 1931—LOT 7 BLK 20, East San Mateo. Arc Electric Co vs C D Adams et al..... \$45
July 6, 1931—LOT 16 BLK A, Hayward Park. Samuel Rann, \$90.45; R G Linville, \$44.40; V Conconi, \$152.40; Chas Izmiran, \$289.40 vs Harry Randles
July 8, 1931—LOT 7 BLK 20, East San Mateo. Mark Dillon vs Morris R Lukens..... \$242
July 9, 1931—PART LOT 12, Villa Lots, Atherton. Palo Alto Road Materials Co vs A T Pumerio et al..... \$322.22
July 9, 1931—LOT 7 BLK 20, East San Mateo. H Bragato, \$98; N S McCartney, \$290 vs Charles Adams et al..... \$133.90
July 10, 1931—LOT 7 BLK 20, East San Mateo. C E Reinhart & Co vs Morris F Labins..... \$133.90
July 10, 1931—LOTS 2, 3, 4, 5 AND 6 Blk 20, city of Visitation. Joe Camilleri et al vs T Reyerson..... \$157.68
July 10, 1931—LOTS 29 AND 30 and part Lot 31 Blk 19, City of Visitation. Joe Camilleri et al vs T Reyerson..... \$38.15
July 11, 1931—LOTS 1 AND 2 BLK 10, Milbrae Highlands. C Downall vs W R Knight et al..... \$161.25
July 11, 1931—LOT 7 BLK 20, East San Mateo. Lawrence Zant vs Morris R Lukens et al..... \$70
July 13, 1931—2,516 Acres of Land, Hillsborough. D B Gladstone vs Charles S Clerry et al..... \$1351.43

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded	Amount
July 2, 1931—LOCATION NOT Given. John Pellegrin et al to Charles Chiappa.....	
July 2, 1931—LOTS 1 AND 2 BLK 20, Huntington Park No. 2, San Mateo. R H Sohn to C Chiappa.....	
July 3, 1931—LOCATION NOT Given. Redwood City Hardware Co; Tuscon Steel Co; San Mateo Feed & Fuel Co; R J Sutton; Soto & Vera; Frank Norcia and Donald Belver et al to whom it may concern.....	
July 9, 1931—LOT 12 AND PART Lot 13 Blk 8, San Bruno. Q Parlanti; Charles L Howard; Harry Rodgers; E Parraguez; Adolph Bowman et alifi Ajax Roofing Co; E E Phillips et al to George Loren Hamilton et al.....	
July 13, 1931—LOCATION NOT Given. A J Ruhlman to E C Counter (2 releases).....	

BUILDING PERMITS

PALO ALTO

ALTER residence, \$2500; 541 Churchill Ave., Palo Alto; owner, Mrs. F. R. Smith, Premises; contractor, M. Klay, Menlo Oaks Drive, Menlo Park.

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

RESIDENCE, \$3700; No. 241 College Ave., Palo Alto; owner, Sam B. Gross.
RESIDENCE, studio, 2-story, \$7000; No. 220 Castilleja Ave., Palo Alto; owner, A. A. Black, 765 Homer Ave., Palo Alto; contractor, Smith & Burke.

BUILDING PERMITS

SAN JOSE

RESIDENCE, frame 5-room, \$5000; Georgia St. near San Pedro St., San Jose; owner, J. J. Morella, 502 W-Santa Clara St., San Jose; contractor, A. R. Calvelli, 885 Nevada St., San Jose.
BUSINESS building, small type III, \$1500; S-First St. near Margaret, San Jose; owner, Geo. Kelly, 648 Almaden St., San Jose.
RESIDENCE, frame, 4-room, \$2960; Seventeenth St. near Washington St., San Jose; owner, Jos. Foster, 361 N-Seventeenth St., San Jose; contractor, Carl Maurer, 241 Locust St., San Jose.
ALTER type III business building, \$1000; Santa Clara and 12th Sts., San Jose; owner, El Paso Co., Premises; contractor, C. H. Lawrence, 5321 Lawton Ave., Oakland.
RESIDENCE, frame, 6-room, \$2950; Eighteenth St. near Julian St., San Jose; owner and contractor, H. G. Wick, 331 W-Court, San Jose.
REPLASTER two-story frame residence, \$1900; No. 1322 Hanchett St., San Jose; owner, Frank Campbell, Premises; contractor, Gibson & Wheeler, Beans Bldg., San Jose.
ALTER type III business building, \$15,000; No. 140 S-First St., San Jose; owner, F. & W. Grand Silver Stores, Inc., New York; architect, Binder & Curtis (structural), 35 W-San Antonio St., San Jose; contractor, H. D. Cowan, 9335 E-27th St., Los Angeles.
ALTER and repair warehouse, \$1000; Ryland and S. P., right-of-way, San Jose; owner, Southern Pacific Co., Second and San Fernando Sts., San Jose.
RESIDENCE, frame, 6-room, \$3850; Emory St. near Park, San Jose; owner and contractor, Wm. O'Neill, 1500 McDaniel St., San Jose.
RESIDENCE, frame, 4-room, \$2870; Empire St. near Eleventh St., San Jose; owner, V. Arena, 725 N-13th St., San Jose; contractor, Sam DeCola, 511 E-Empire St., San Jose.

BUILDING CONTRACTS

SANTA CLARA COUNTY

ADDITION
PRESENT HIGH SCHOOL SITE, Santa Clara. All work for addition to high school.
Owner—Santa Clara High School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Contractor—William Myer, Cupertino.
Filed July 9, '31. Dated July 9, '31.
Usual 35 days.
TOTAL COST, \$12,164
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.
GYMNASIUM
LIVE OAK UNION HIGH SCHOOL, Morgan Hill. All work for gymnasium building.
Owner—Board of Trustees, Live Oak Union High School District, Morgan Hill.
Architect—John J. Donovan, 1916 Broadway, Oakland.
Contractor—George G. Wilson and J. R. McGranahan, 85 King St., Santa Cruz.

Filed July 8, '31. Dated July 3, '31.
On or about 1st of each month 75%
Usual 35 days 25%
TOTAL COST, \$25,789
Bond, \$12,894.50. Surety, Maryland Casualty Co. Limit, not later than Oct. 31, 1931. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
July 3, 1931—W RACE ST. 80.04 S Paula Street, San Jose. Pietro Blondono to whom it may concern..... June 23, 1931
July 8, 1931—LOT 29, Edgemont, San Jose. Arthur J Muir to whom it may concern..... July 2, 1931
July 3, 1931—LOT 8 BLK 3, Claremont, San Jose. C P Dunning to whom it may concern..... July 3, 1931
July 7, 1931—LOT 20 BLK 12, Los Altos No. 1. Arthur W Dermody to whom it may concern..... July 3, 1931
July 7, 1931—LOT 13 BLK 3, Country Club Heights. Resur. William Wollscroft et al to whom it may concern..... July 7, 1931
July 8, 1931—N STORY ROAD pt. Pueblo Tract No. 1 (30 acres). S J Briggs to whom it may concern..... June 30, 1931
July 8, 1931—LOT 24, Studio Heights, San Jose. R D Shimer to whom it may concern..... July 3, 1931
July 8, 1931—LOT 11, Studio Heights San Jose. J R Phelps to whom it may concern..... June 30, 1931
July 8, 1931—E JEFFERSON ST. 156.39 S Market NE 152.45 SE 39.31 SW 46 SE 9.71 SW 106.45 N 50 to beg pt Blk 55 R 5 W, Santa Clara. John J Costa to whom it may concern..... July 7, 1931
July 9, 1931—W ADDISON AVE 150 S Fife St. S 50xW 130 Pt. Lot 24, Resub of Boyce Addn, San Jose Thomas Henry Ennox to whom it may concern..... July 6, 1931
July 9, 1931—LOT 15, Santana Sub., San Jose. Rollie Williams to whom it may concern..... July 2, 1931
July 10, 1931—LOT 51, Willow Glen Orchard Tract, San Jose. M A Urstadt to whom it may concern..... July 6, 1931
July 11, 1931—LOT 2, Taaffe Partn, Mayfield. Milton and Florence Haas to whom it may concern..... July 6, 1931
July 13, 1931—PT. SEC. 30 T T S R 1 E, Santa Clara. H F Rediker to whom it may concern..... July 10, 1931
July 13, 1931—LOT 2, Byerley Tract, San Jose. J B Byerley to whom it may concern..... July 13, 1931
July 13, 1931—NE WESTERLY ST. 77.17 SE Santa Rita Ave SE 75x NE 110 Pt. Lot 2, Seale Tract No. 4, Palo Alto. James Monroe Allen to whom it may concern..... July 13, 1931
July 13, 1931—LOT 26 BLK 3 XE, Burns & Co. Sub, San Jose. I Piazza to whom it may concern..... July 11, 1931

LIENS FILED

SANTA CLARA COUNTY

Recorded Accepted
July 3, 1931—LOT 17 BLK A, Easter Gables No. 1, Sunnyvale. Albert Willmott vs Mary Frazier.....\$2900
July 3, 1931—LOT 8 BLK C, Easter Gables No. 1, Sunnyvale. Albert Willmott vs Elmer Patton.....\$280
July 3, 1931—LOT 3 BLK C, Easter Gables No. 1, Sunnyvale. Albert Willmott vs John Bowman.....\$2350
July 3, 1931—LOT 19 BLK A, Easter Gables No. 1, Sunnyvale. Albert

Willmott vs Van Aouken \$128
July 8, 1931—61.25 AC ON NW Alviso and Milpitas Road, San Jose. The Freimuth Pipe & Sheet Metal Co vs William R Thorsen.....\$164.14
July 11, 1931—LOT 4 BLK 9, Driscoll Addition, San Jose. Tilden Lumber & Mill Co vs Vincenzo Campagna\$402.50
July 11, 1931—LOT 4 BLK 9, Driscoll Sub, San Jose. William & Russo vs V Campagna\$233.66
July 13, 1931—LOT 11 BLK A Easter Gables No. 1, Sunnyvale. Lucas Manufacturing Co vs Louis E Richards\$2195.20
July 13, 1931—LOT 3 BLK C, Easter Gables Subd. No. 1, Sunnyvale. W Mular vs John S Bowman.....\$108.83
July 13, 1931—LOT 17 BLK A, Easter Gables Sub. No. 1, Sunnyvale. W Mular vs Mary A Fraser.....\$391.17

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded Amount
July 10, 1931—LOT 15 BLK 4 Montecitos, San Jose. Charles Kelty to Rose Maggi\$28

BUILDING PERMITS

STOCKTON

DWELLING and garage, duplex, \$3750 No. 211-215 N-Ophir St., Stockton; owner, Marie Prema; contractor, F. T. Anderson, Anteros Ave., Stockton.
DWELLING, rustic, one-story and garage, \$3200; No. 143 Hampton St., Stockton; owner, John M Carr, 21 S-San Joaquin St., Stockton; contractor, T. E. Williamson 1359 W-Park Ave., Stockton.
REMODEL store (stairway, partitions, etc), \$8000; No. 34 S-El Dorado St., Stockton; owner, G. B. Campodonico; contractor, C. C. Russell, 1637 West Lane, Stockton.
RESIDENCE, brick veneer, 7-room & garage, \$5800; No. 2668 Crafton Way, Stockton; owner and bulder, F. P. Dobson.

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

ALTER SCREEN
NE STANISLAUS AND LAFAYETTE Sts., being Lots 2 and 4 Blk 35, Stockton. All work for walnut alter screen (temple) in church.
Owner—Greek Orthodox Church of stockton, Premises.
Architect—Not Given.
Contractor—Pete Glavas.
Filed July 10, '31. Dated June 22, '31.
TOTAL COST, \$1100
Bond, none. Limit, 100 days. Forfeit, plans and specifications, none.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
July 8, 1931—LOT 10 BLK 10, Pacific Manor, Stockton. L A Randolph to Randolph & West..... July 6, 1931
July 10, 1931—No. 702 W-LOCUST St., being N 120 ft. Lot 15, Schroeder Tct, Lodi. John L Michelsen to whom it may concern..... July 1, 1931

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Accepted
July 10, 1931—LOT 45, Lodi Barnhart Tract. J J Balduc vs R E Weitz and wife.....\$231.24

BUILDING CONTRACTS

MARIN COUNTY

DWELLING
SAN RAFAEL. All work for 5-room and basement dwelling.
Owner—Mr. and Mrs. J. H. Campion
850 4th St., San Rafael.
Architect—Charles Strothoff, 2274 15th St., San Francisco.
Contractor—M. H. Vanderbilt, 115 H St., San Rafael.
Filed July 11, '31. Dated July 11, '31.
Frame up
Brown coated
Completed and accepted.....
Usual 35 days.....
TOTAL COST, \$6250

Bond, limit, forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted
July 7, 1931—SAN ANSELMO. Italo Lancel to J Farnocchi.....June 30, 1931
July 7, 1931—SAN RAFAEL. Frank X Gagnon to whom it may concern.....July 7, 1931
July 10, 1931 — SAUSALITO. E S Silcock to Preston Burris.....July 2, 1931

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded Accepted
July 3, 1931—E ½ LOT 7 and all Lot 8 Blk 14, Richmond Center Tract. Royal E & Emma Sweet to whom it may concern.....July 1, 1931
July 6, 1931—PTN LOTS 2, 3 AND 4 Blk 17, R. N. Burgess Co's Map No. 3, Ptn of Parkside Addn to Race track Addition, Richmond. Raymond M Walsh to Melvern Hogan.....July 1, 1931
July 6, 1931—LOT 16 and N ½ Lot 17 Blk 8, Map of Richmond City Center. James Walter Forbes to whom it may concern.....June 30, 1931
July 7, 1931—PTN LOT 4 BLK 330 of the Add'n Survey Town of Martinez. O K Smith to O K Smith Constr Co.....July 7, 1931

LIENS FILED

CONTRA COSTA COUNTY

Recorded Amount
July 6, 1931—LOT 13 BLK 31, City of Richmond Tract. Pacific Feed & Fuel Co (a corp.) vs Herbert H and Mabel G Flynn and Wm Harris\$20.43

BUILDING CONTRACTS

MONTEREY COUNTY

DWELLING
HATTON FIELDS, City of Carmel. All work for one-story Spanish type dwelling with shake roof.
Owner—Mr. and Mrs. P. H. Coolidge, Hatton Fields, Carmel.
Architect—Not Given
Contractor—Hugh Comstock, Carmel.
Filed July 10, '31. Dated,
As work progresses

TOTAL COST, \$15,127

Bond, none. Limit, 60 working days. Forfeit, none. Plans and specifications filed.

RELEASE OF LIENS

SONOMA COUNTY

Recorded Amount
July 9, 1931 — BLK 35, McDonalds Addition to Santa Rosa, 70x150 ft. Steve Regalia, \$40; L L Dibble,

\$504; Rold J Whiting, \$77.50; Grace Bros, Inc, \$37.80; L A Drake, \$155.55; Crester & Stone, \$49; McKinney & Trous, \$315; J D Roberts, \$340.65; Dixon Hardware & Ice Co, \$388.47; K D Robinson, \$230; Geo Mitchell, \$233.45; E L Kindig, \$95.25; Santa Rosa Bldg Material, Inc., \$170.77; H A Reese, \$528.42; E L White Lumber Co, \$746.23; Allan Smith, \$221.34; W H Wiggins and Santa Rosa Dept Store, \$76.75 to W T and Elizabeth Owen

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
July 2, 1931—LOTS 23, 24, 25, 26, 27 and 28 Blk 37, 3rd Addition to Pacific Grove. Mary Hoffman to J C Warrington.....June 15, 1931
July 2, 1931—FOUR PARCELS OF land of Rancho El Sausal, lying within Corporate limits of Salinas City. R D Logan to L G Manning, July 1, 1931
July 8, 1931—COR. FRANKLIN & Alvarado Sts, Severance Block Book, City of Monterey. Monterey County Trust & Savings Bank to H H Winner Co.....July 1, 1931

LIENS FILED

MONTEREY COUNTY

Recorded Amount
July 9, 1931—PART OF SAN BERNABE RANCHO, bounded on North by San Lorenzo Creek and right-of-way of S. P. Co.; S by County Rd leading from King City to Lone Oak. Wallace E Bland vs Mrs L F Roussey\$908.85

BUILDING PERMITS

SACRAMENTO

HOUSE and garage, \$5500; No. 1709 Fourth Ave., Maple Park; owner, S. E. Heden, 1181 F St., Sacramento.
HOUSE and garage, \$5250; No. 1515 38th St., Sacramento; owner, M. Boston, 815 O St., Sacramento; contractor, Coffman.
GARAGE, \$1500; No. 315 L St., Sacramento; owner, Donnelly Estate, San Francisco; contractor, Campbell Constr. Co., 800 R St., Sacramento.

ALTERATIONS, \$1250; No. 712 J St., Sacramento; owner, Lagomarsino & Sons, 712 J St., Sacramento; contractor, A. Fisher.

HOUSE and garage, \$5250; Lot 105, McKinley Blvd. 2, Sacramento; owner and builder — T. A. Scott, 3349 Madsen Crt., Sacramento.

DWELLING and garage, \$5000; No. 3102 Van Ness Ave., Fresno; owner, Walter H. Cree, 1500 Roosevelt St., Fresno; contractor, R. E. Harris.

DWELLING and garage, \$5500; No. 1535 Glenn Ave., Fresno; owner, H. S. Koon, 558 Bond St., Fresno; contractor, Dwight W Doss, 3239 Illinois St., Fresno.

SERVICE station & rest room, \$3200; No. 508 North Van Ness Ave., Fresno; owner, Standard Stations, Inc.; architect, Engrs. of contractor, Standard Oil Co.

REPAIRS, \$2000; No. 2940 39th St., Sacramento; owner, W. Burrows, 2940 39th St., Sacramento; contractor, James Corey.

HOUSE and garage, \$6000; No. 317 Santa Ynez Way, Sacramento; owner and builder, C. Thompson, 3432 Sierra Way, Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
July 8, 1931—No. 806 SIXTH ST., Sacramento. Western Meat Co. to whom it may concern.....July 3, 1931
July 8, 1931—LOT 254, Swanston Park, Sacramento. C H Thompson to whom it may concern.....July 8, 1931
HOUSE and garage, \$1500; No. 2815 Santa Cruz Way, Sacramento; owner, K. E. Stedman, 922 T St., Sacramento; private plans.

July 10, 1931—FOR LOT 2, Smith Tract No. 1, Sacramento. Lorayne and Edith Miller to whom it may concern July 8, 1931
July 10, 1931—LOT 25, Land Drive Terrace, Sacramento. Elsa A and W H Luck to whom it may concern.....July 6, 1931
July 11, 1931—LOT 242 College Tract Sacramento. R L Hathaway to whom it may concern.....June 28, 1931

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
July 7, 1931—LOT 47, Altos Acres, Sacramento. General Supply Co vs North Sacramento Land Co and H B Smith.....\$55.61

BUILDING PERMITS

FRESNO

DWELLING, brick veneer, 6-room and garage, \$4700; No. 1247 N-Monroe St., Fresno; owner, Robt. Wagner.
GARAGE, public, \$7000; No. 537 E-Market St., Fresno; owner, Hickinbotham Estate, 1570 Wilson St., Fresno; contractor, J. J. Cavanaugh.
DWELLING, \$1700; No. 1727 Thomas Ave., Fresno; owner, Mrs. M. D. Pimentel; contractor, Luther Smith

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
July 8, 1931—LOTS 15 AND 16 BLK 64, V B Heights Fresno. Victor DeLuca to Thos W Griffith.....June 30, 1931
July 8, 1931—LOT 23, Casa Loma Terrace, Fresno. Joseph Pedone & Mrs. Gertrude Pedone to whom it may concern.....July 7, 1931
July 8, 1931—LOTS 1, 2 AND 9 BLK 2, Avondale. H C Offutt to whom it may concern.....July 7, 1931
July 14, 1931—LOT 14 BLK 1, Lakeside Terrace No. 2, Fresno. Harry L Livezey to J M Heltterbrand.....July 13, 1931
June 7, 1931—LOTS 39 AND 40 BLK 84, Sierra Vista Addition No. 4, Fresno. E E Biggam to whom it may concern.....July 3, 1931
July 9, 1931 — LOT 5 ELK 88, Sierra Vista Addition No. 5, Fresno. Vernon B Reddick to whom it may concern.....July 8, 1931

LIENS FILED

FRESNO COUNTY

Recorded Amount
July 8, 1931—N ½ OF SE ¼, SW ¼ of SE ¼, Ste 27, 14-19, Fresno. Nutsler Bros Lumber Co vs Rocky Kapsala Jr et al\$49

WALKER NAMED ON RURAL HOUSING BOARD

Prof. H. B. Walker, head of the University of California division of agricultural engineering at the Branch of the College of Agriculture at Davis, has just received notice of his appointment as a member of the Committee on Farm and Village Houses, of President Hoover's Conference on Home Building and Home Ownership. The appointment came to Professor Walker from Robert P. Lamont, secretary of commerce.

The committee, of which Dean A. R. Mann of the Cornell University College of Agriculture is chairman, is to study the problem of improving the quality of rural and village homes, with reference to contemporary problems and trends; design and planning construction and remodeling from a functional standpoint.

The sub-committee which Professor Walker will head, will deal with the construction of new and old buildings; the financing of farm homes; regional planning for rural districts, and village planning; ownership and tenancy; landscaping, planting, furnishing decorating, remodeling and modernizing of rural and village homes.

HOUSING FOR 700,000 WORKERS

A plan has been adopted to provide the workers in the coal and other important industries of Russia with standard-type frame houses. For this year the program calls for the construction of houses to provide for the needs of 700,000 workers and their families. Most of the houses will be built of standard factory-made parts.

The coal industry will receive the largest portion of these new houses, to be apportioned as follows: Donetz Basin, houses for 250,000 workers; Kuznetz Basin, for 100,000 workers; Moscow coal basin, 30,000; Ural coal mines (Kizel and Chelabinsk), 50,000; and Karaganda (the Kazak republic) 10,000. The remaining are to be allotted among the other important industries of the Supreme Economic Council. The appropriations for this year for housing total over a billion rubles, nearly twice as much as during last year.

428 BANKS PLAN NEW STRUCTURES

Four hundred and twenty-eight banks are planning to erect new buildings and nearly twice that number or 828 banks are planning alterations, according to a survey conducted by the American Bankers' Association Journal. The survey was based on a questionnaire returned by 6069 member banks of the American Bankers' Association.

Divided according to size based on the deposits, the group in Class 1, which consists of banks with deposits from \$250,000 to \$500,000, are planning 143 new buildings and 263 alterations; Class 2, with \$500,000 to \$1,000,000, 96 buildings and 198 alterations; Class 3, \$1,000,000 to \$5,000,000, 120 new buildings and 248 alterations; Class 4, \$5,000,000 to \$30,000,000, 44 new buildings and 88 alterations; Class 5, over \$30,000,000, 25 new buildings and 25 alterations.

Paul Romak, vice-president of the Liberty Ornamental Iron and Wire Works, an East Bay concern, on trial on a charge of assault with intent to kill his business partner, Herman F. Hastrup, committed suicide by hanging himself from a door hinge in the basement of his home in Oakland last Friday.

ENGINEERING SOCIETIES EMPLOYMENT SERVICE

Further information regarding positions listed in this column is obtainable from Newton D. Cook, Room 715, 57 Post Street, San Francisco. (Phone Sutter 1684).

R-3607-S STUDENT ASSISTANT, to help man in charge of shop instruction at small college. Young man with some experience in wood and iron working can earn full tuition, board and room while attending college. Location, Northern California.

R-3592-S ENGINEERS to sell portable hand operated pull jacks to contractors, garage owners, public utilities, etc. Opportunities for active men with acquaintance in construction field. Straight commission from \$20 to \$40 per order. Any territory. Apply by letter. Headquarters, East.

W-2890-C-S (K-274) MECHANICAL ENGINEER, well acquainted with mechanical equipment used in connection with construction work (steam shovels, derricks, conveyors, etc.) Same terms and conditions as in W-2886-C-S.

W-2886-C-S (K-370) ENGINEER, experienced in railroad operation, for designing and constructing trackage and track equipment for freight and passenger terminals, yards, classification yards, etc. Salary, \$500-600 a month, 10% off for income tax, balance 40% in American money and 60% in rubles for living expenses. Transportation furnished. Apply only by letter. Location, Moscow.

R-3605-S SALES ENGINEER, young American or Englishman, technical graduate with 5-10 years' experience. Successful applicant will act as technical advisor and super-salesman of hydraulic and irrigation equipment and it is essential that he have five years' hydraulic experience and the right personality for sales

work. Must be single. Three year contract. Apply by letter, giving experience in detail, references and photo. Location, India. Headquarters, United States.

R-3601-S CHEMIST, graduate, with some experience in wood pulp, paper or cellulose utilization for research laboratory of manufacturing company. Apply by letter with details of experience and photo. Salary about \$200 per month. Headquarters, San Francisco.

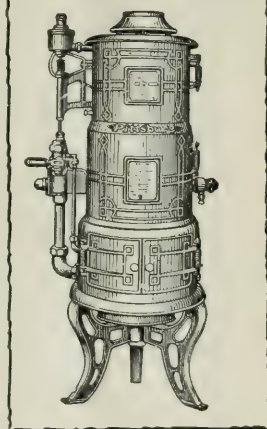
R-3598-S MECHANICAL ENGINEER with 5 years or more experience with a company manufacturing conveying machinery as designer or engineer. Opportunity for qualified man to take charge of department and build it up. Conveyor experience absolutely essential. Apply by letter. Location, San Francisco.

As an evidence of the healthy status of Pacific Coast real estate conditions, S. W. Straus & Co., yesterday announced that in the first half of 1931 a total of \$1,049,500 in bonds had been retired through final call and serial maturities.

The compilation shows 31 coast properties upon which bonds have been offered, having met their semi-annual obligations despite generally depressed business and financial conditions. One bond issue, the Highland Drive Apartments of Seattle, retired its entire remaining issue of \$163,000 on May 15, 1931.

Two other properties financed by S. W. Straus & Co., retired more than \$100,000 in bonds during the year. These included the Sun Office Building and the Sun Realty Property of Los Angeles.

"Real estate conditions on the Pacific Coast are generally considered highly satisfactory in contrast to the rest of the country and general business conditions," declared Vincent Whitney, San Francisco manager of this investment house. "S. W. Straus & Co. have been responsible for the construction of many of the Pacific Coast's largest real estate projects through financial assistance."



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BUILDING *and* ENGINEERING NEWS

Publication Office
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SAN FRANCISCO, CALIF., JULY 25, 1931

Published Every Saturday
Thirty-fifth Year, No. 30

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Issued Every Saturday

SAN FRANCISCO, CALIF., JULY 25, 1931

Thirty-fifth Year, No. 90

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Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

OAKLAND TO DEMAND CONTRACTORS LICENSE

If an amendment to the Oakland building laws, as proposed by the Alameda County Chapter, Associated General Contractors, is passed by the city council, no building permits will be issued to contractors who cannot produce a license as required by the Contractors' License Law of California.

"Through the passage of the proposed ordinance it will be made mandatory on the Oakland city authorities to demand that every contractor have a state license before being granted a building permit," says Wm. E. Hague, secretary of the Alameda County Chapter. "The Associated General Contractors propose to have such legislation passed in other cities throughout the state and following adoption will be stringently enforced."

The Oakland ordinance will amend Section 5, Paragraph 1 of the Building Laws and will read as follows:

"The application for such permit shall state the exact site to be occupied, the material, dimensions and estimated cost of the proposed building, structure or improvements and shall contain an estimate of time to be occupied in making improvements or construction of building; also the specific use for which said proposed building or structure or improvement is intended. It shall also state the number of the contractor's State License required by State law. No permit shall be issued to any contractor not duly licensed to do business in this State. When required by the Building Inspector the applicant shall exhibit legal evidence that he has complied with the State law covering the licensing of contractors."

SLOAN, ENGINEER, WINS SUIT FOR FEE

Chas. E. Sloan, city engineer for Gilroy, Santa Clara County, for the first paving program undertaken in 1924, won a judgment against that municipality on July 7, in the Superior Court at Redwood City, for \$11,621.12. Sloan had assigned the claim of \$30,263.27 to D. C. Brooks, who brought the suit against the city. Sloan drew up the plans and specifications for the work, and the program amounted to \$464,845. After the contract was awarded to the Southwest Paving Company, the company claimed the proceedings were defective and refused to go ahead with the paving. The proceedings were dropped, and Sloan's claim was never allowed by the council. The council may have to levy a special tax to pay this claim if they do not appeal the case. It is understood that the case could have been settled a few years ago for \$8000.

Hoover Dam Insurance Premiums Draw Protest

At the request of officials of the Nevada State Federation of Labor, the Nevada State Industrial Commission and the state labor commissioners have written the Six Companies, Inc., contractors on the Hoover dam, to ascertain if the company is taking ten cents daily out of the wages of employees to pay industrial insurance premiums and also to find out if the company is going to discontinue semi-monthly paydays and pay only once each month.

The labor officials say the contracting concern is taking ten cents daily out of the wages of employees to pay the insurance premiums and five cents daily for medical attention. The Nevada state law authorizes companies to take \$1 per month from wages to pay hospital fees, but does not allow concerns to take money from wages to pay insurance premiums, according to the industrial commission.

RELIEF FUND AIM OF WESTERN ENGINEERS

For the future relief of engineers in subordinate positions the Western Society of Engineers through a committee on emergency relief has developed a plan that will result in an accumulation of a savings fund to tide such engineers over periods of idleness, Engineering News - Record reports.

Briefly it is a plan to accumulate an individual savings fund by the cooperation of the employer and employee administered by the latter.

An account is to be opened in a savings bank by the employer but designated by the employee, into which is to be deposited a minimum of \$10 per month, 80 per cent from the employee's pay check and 20 per cent contributed by the employer. In times of unemployment the employee may draw on the fund to the extent of two-thirds of his weekly pay until the fund is exhausted. In normal times when the funds reach a sum deemed larger than necessary for safety, the employee may draw out his 80 per cent of the excess over a maximum agreed upon and the 20 per cent will be returned to the employer.

The committee, headed by Albert Smith, is enlisting the support of a hundred employers of engineers in Chicago toward putting the plan into effect.

Financing incidental to the incorporation of Pacific Hardware Company as a \$500,000 local dealer-owned co-operative wholesale hardware jobbing business, has been approved by the State Corporation Commission. The new company, which proposes to acquire the assets of Sloss & Brittain, is to sell 1500 shares of common stock in units of five shares each at \$75 a unit.

HAND, CONTRACTOR, ACCUSED OF THEFT

Draper Hand, contractor and former San Francisco police officer, was indicted by the Grand Jury last Monday night, on a charge of grand theft.

Hand is accused of failing to fulfill his part of a building contract.

Mr. and Mrs. Samuel Bright, parents of five children, were the complainants. They charged that Hand agreed to alter their house for \$575. This was to cover the cost of materials used, as well as the work. They paid him \$275 and were to pay the balance off at \$25 a month, they said.

Hand, they testified, finally persuaded them to sign a note for \$300 "as a matter of form," discounted the note and then failed to pay for the cost of the materials used, advising those who had furnished the materials to place a lien on the Bright's property.

STATE TO CONSIDER ENGINEERS' SQUABBLE

Separate hearings probably will be held by the State Civil Service Commission in the cases of F. G. Sommer and E. K. Guion, engineer and draftsman of the state highway division, who have filed charges against each other.

Sommer, who is district engineer at Bishop, Inyo County, first charged Guion with insubordination and use of a state car for pleasure purposes, and Guion countered with charges against Sommer of incompetence, abusive treatment to state workers and many other technical counts.

44-HOUR WEEK ON SEATTLE CITY WORK

A bill introduced several weeks ago fixing 44 hours a week for all city contractors and sub-contractors has been passed by the Seattle City Council by unanimous vote.

This bill fixes eight hours for a day's work, from 8 to 5 and from 8 to 12 on Saturdays.

In the event two or more shifts are required on a contract, or for any reason the legal hours for a day's work is desired, the mayor is given authority to make such changes as an emergency.

Prof. Chas. Gilman Hyde of the Sanitary Engineering Department of the University of California returned home last Thursday after a tour of Japan, where he collected material for next year's courses. "Sanitary conditions in Japan have improved tremendously since the earthquake of 1923," Prof. Hyde said. "In Tokio great strides have been taken and the city is today a model of the most modern systems."

SPECULATION IN LAND VALUES IS HELD CAUSE OF DEPRESSION

By HENRY GEORGE

(Published by Permission of the Robert Shalkenbach Foundation,
New York City)

Appropriate to the times, the accompanying article shows that scarcity of employment does not come FROM business depression, but that business depressions come from scarcity of employment!

The remedy for depression is not the restriction of employment, but more work, more production.
—Editor.

I am asked by "Once a Week" to state what, in my opinion, are the causes of the existing business depression (1894). It should be possible to do more. For the method that has fixed with certainty the causes of natural phenomena once left to varying opinion or wild fancy ought to enable us to bring into the region of ascertained fact the causes of social phenomena, so clearly marked and so entirely within observation.

To ascertain the cause of failure or abnormal action in that complex machine, the human body, the first effort of the surgeon is to locate the difficulty. So the first step toward determining the causes of business depression is to see what business depression really is.

By business depression we mean a lessening in rapidity and volume of the exchanges by which, in our highly specialized industrial system, commodities pass into the hands of consumers. This lessening of exchanges, which from the side of the merchant or manufacturer we call business depression, is evidently not due to any scarcity of the things that merchants or manufacturers have to exchange. From that point of view there seems, indeed, a plethora of such things. Nor is it due to any lessening in the desire of consumers for them. On the contrary, seasons of business depression are seasons of bitter want on the part of large numbers—of want so intense and general that charity is called on to prevent actual starvation from need of things that manufacturers and merchants have to sell.

It may seem, on first view, as if this lessening of exchanges came from some impediment in the machinery of exchange. Since tariffs have for their object the checking of certain exchanges, there is a superficial plausibility in looking to them for the cause. While, as money is the common measure of value and a common medium of exchange, in terms of which most exchanges are made, it is perhaps, even more plausible to look to monetary regulations. But however important any tariff question or any money question may be, neither has sufficient importance to account for the phenomena. Protection carried to its furthest could only shut us off from the advantage of exchanging what we produce for what other countries produce. Free trade carried to its furthest could only give us with the rest of the world that freedom of exchange that we already enjoy between our several States; while money, important as may be its office as a measure and flux of exchanges, is still but a mere counter. Seasons of business depression come and go without change in tariffs and monetary regulations, and exist in different countries under widely varying tariffs and monetary

systems. The real cause must lie deeper.

That it does lie deeper is directly evident. The lessening of the exchanges by which commodities pass into the hands of consumers is clearly due not so much to increased difficulty in transferring these commodities as to decreased ability to pay for them. Every business man sees that business depression comes from lack of purchasing power on the part of would-be consumers, or, as our colloquial phrase is, from their lack of money. But money is only an intermediary performing in exchanges the same office that poker chips do in a game. In the last analysis it is a labor certificate. The great mass of consumers obtain money by exchanging their labor or the proceeds of their labor for money, and with it purchasing commodities. Thus what they really pay for commodities with is labor. It is not merely true in the sense he meant it, that, as Adam Smith says, "Labor was the first price, the original purchase money that was paid for all things." It is the final price that is paid for all things.

The lessening of "effective demand" which is the proximate cause of business depression, means, therefore, a lessening of the ability to convert labor into exchangeable forms—means what we call scarcity of employment. These two phrases are, in fact, but different names for different aspects of one thing. What from the side of the business man is "business depression," is, from the side of the workman, "scarcity of employment." The one always comes with the other and passes away with the other. They act on each other and again react, as when the merchant or manufacturer discharges his employees on account of business depression, and thus adds to scarcity of employment. But in the primary causal relation scarcity of employment comes first. That is to say, scarcity of employment does not come from business depression, as is sometimes assumed, but business depression comes from the scarcity of employment. For it is the effective demand for consumption that determines the extent and direction in which labor will be expended in producing commodities—not the supply of commodities that determines the demand.

What is employment? It is the expenditure of exertion in the production of commodities or satisfactions. It is what, in a phrase having clearer connotations we term work. For the term employment is, for economic use, somewhat confused by our habitual distinction between employers and employees. This distinction only arises from the division of labor, and disappears when we consider first principles. I employ a man to black my boots. He expends his labor to give me the satisfaction of polished boots. What is the five cents I give him in return? It is a counter or chip thru which he may obtain at will the expenditure of labor to that equivalent in any of various forms—food, shelter, newspapers, a streetcar ride, and so on. In final analysis the transaction is the same as if I had employed him to black my boots and he had em-

ployed me to renege to him some of these other services; or as if I had blacked my own boots and he had performed these other services for himself. Even in a narrow view there are only three ways by which men may live—by work, by beggary, and by theft; for the man who obtains work without giving work is, economically, only a beggar or a thief. But on a larger view these three come down to one, for beggars and thieves can only live on workers. It is human labor that supplies all the wants of human life—as truly now, in all the complexities of modern civilization, as in the beginning, when the first man and first woman were the only human beings on the globe.

Now employment or work is the expenditure of labor in the production of commodities or satisfactions. But on what? Manifestly on land, for land is to man the whole physical universe. Take any country as a whole, or the world as a whole. On what and from what does its whole population live? Despite our millions and our complex civilization, our extensions of exchanges and our inventions of machines, are we not all living as the first man did and the last man must, by the application of labor to land? Try a mental experiment: Picture, in imagination, the farmer at the plow, the miner in the ore vein, the railroad train on its rushing way, the steamer crossing the ocean, the great factory with its whirling wheels and thousand operatives, builders erecting a house, linemen stringing a telegraph wire, a salesman selling goods, a bookkeeper casting up accounts, a bootblack polishing the boots of a customer. Make any such picture in imagination and then by mental exclusion withdraw from it, item by item, all that belongs to land. What will be left?

Land is the source of all employment, the natural element indispensable to all work. Land and labor—these are the two primary factors that, by their union, produce all wealth and bring about all material satisfactions. Given land, to say, the ability to work and the willingness to work—and there never has and never can be any scarcity of employment so long as labor can obtain access to land. Were Adam and Eve bothered by "scarcity of employment?" Did the first settlers in this country or the men who afterwards settled those parts of the country where land was still easily had know anything of it? They did not. The monopoly of land—the exclusion of labor from land by the high price demanded for it—is the cause of scarcity of employment and business depressions is as clear as the sun at noonday. Wherever you may be that scarcity of employment is felt—whether in city or village, mining district or agricultural section—how far will you have to go to find land that labor is anxious to use (for land has no value until labor will pay a price for the privilege of using it), but from which labor is debarred by the high prices demanded by some non-user? In the very heart of New York, two minutes' walk from Union Square will bring you to three vacant lots. For permission to use the smallest and least valuable of these a rental of \$40,000 a year has been offered and refused. This is but an example of what may everywhere be seen, from the heart of the metropolis to the Cherokee Strip. Where labor is shut out from land it wastes. Desire may remain, but "effective demand" is gone. Is there any mystery in the cause of business depression? Let the whole earth be treated as these lots are treated and who of its teeming millions could find employment?

At the close of the last great depression (1879), I made "An Examination of the Cause of Industrial De-

pression" in a book better known by its main title, "Progress and Poverty," to which I would refer the reader who would see the genesis and course of business depressions fully explained. But their cause is clear. Idle acres and idle hands, and idle hands mean a lessening of purchasing power on the part of the great body of consumers that must bring depression to all business. Every great period of land speculation that has taken place in our history has been followed by a period of business depression, and it always must be so. Socialists, Populists and charity mongers—the people who would apply little remedies for a great evil—are all "barking up the wrong tree." The upas of our civilization is our treatment of land. It is that which is converting even the march of invention into a blight.

Charity and the giving of "charity work" may do a little to alleviate suffering, but they cannot cure business depression. For they merely transfer existing purchasing power. They do not increase the sum of "effective demand." There is but one cure for recurring business depression. There is no other. That is the Single Tax—the abolition of all taxes on the employment and products of labor and the taking of economic or ground rent for the use of the community by taxes on the value of land, irrespective of improvement. For that would make land speculation unprofitable, land monopoly impossible, and so open to the possessors of the power to labor the ability of converting it by exertion into wealth or purchasing power that the very idea of a man able to work and yet suffering from want of things that work produces would seem as preposterous on earth as it must seem in heaven.

INCREASED FREIGHT RATES DRAW PROTEST

The Railroad Commission of California will join shippers of perishable products, lumber and live stock in protesting the proposal of the railroads to increase freight rates on these commodities 15 per cent.

A committee has been formed to prepare data to be presented to the Interstate Commerce Commission to show that these industries can not at this time stand increased freight rates. The committee is composed of Warren K. Brown, representing the Railroad Commission; Frank H. Buck, president of the California Growers and Shippers Protective League; C. O. Cornwell, chairman of the Traffic Committee of the California Citrus League; C. B. Moore, managing secretary of the Western Growers Protective Association; and John F. Curry, traffic manager of the California Cattlemen's Association and California Wool Growers Association. A representative to act for the lumber interests will be selected later. Mr. Brown will act as chairman of the committee.

Commissioner William J. Carr and W. P. Geary, rate expert of the commission, are now at Washington, D. C., attending the hearings of the railroads' application for a 15 per cent increase in freight rates now being held before the Interstate Commerce Commission. Commissioner Carr was selected by the Mountain-Pacific states as their representative to co-operate with the Interstate Commerce Commission in deciding the carriers' application.

It is anticipated that further hearings will be held at some point on the Pacific Coast where California shippers will be given an opportunity to present their case.

COMPETITIVE BIDDING OF ARCHITECTS FLAYED

With reference to the recent competition for architectural service in connection with the Federal Weather Bureau building to be erected on Tatoosh Island, the following letter was written by Congressman Horr, whose attention was called to the matter by John Graham of the Washington State chapter, American Institute of Architects.

United States Weather Bureau,
Department of Agriculture,
Washington, D. C.
Dear Sirs:

It has been called to my attention that in the award of the Weather Bureau building, on Tatoosh Island, State of Washington, that the selection of architects was determined through competitive bid.

As a new congressman I am not conversant with the policy of your department in the selection of architects, but it occurs to me that in matters where professional ethics and professional capacity are concerned, that the selection of men of this type should not be along the lines of competitive bid, but rather follow merit. As a lawyer I could not conceive of the government asking for bids in choosing men in the legal profession, as undoubtedly the police court lawyer and the one least successful, would in all probability be the successful bidder.

The treasury department, as I understand it, has employed architects in private practice, but they have made their selection on merit and have stated the fee to be paid in advance of their selection. This, in my opinion, is the proper procedure.

One of the reasons for my calling this matter to your attention is because of the fact that the architects selected are from Portland, Oregon. A considerable number of our better class of architects refuse to submit a bid for the reasons above stated.

I am of the opinion that we have a sufficient number of architects of high standing and reputation to look after our own particular business and I hope that the policy of your department will be changed in the near future to follow that of the treasury department in employing local architects of merit and pay the commission awarded by the department.

I do not anticipate that this communication will cause a change of policy at this time, but I am writing you with the idea in mind of acquainting myself with the fact whether it is the policy of the department to select architects through competitive bid.

Yours very truly,

RALPH A. HORR, M. C.

S. F. UNIVERSITY IN DRIVE FOR FUNDS

Plans are under way for a city-wide campaign to raise \$350,000 to purchase the old Masonic Cemetery, where it is proposed to erect additional college buildings for the University of San Francisco, formerly known as St. Ignatius College.

Headquarters have been established at 500 Post Street, with William H. McCarthy as chairman of the campaign committee.

The university has set \$350,000 for its goal. Campaign dates will be from September 23 to October 1.

Archbishop Edward J. Hanna, D. D., is honorary chairman of the appeal. Governor James Rolph, Jr., and Mayor Angelo Rossi are members of the campaign committee.

The appeal has the approval of the San Francisco Endorsement Council of the Chamber of Commerce.

HARMONY IN INDUSTRY IS AIM OF BUILDERS

Harmony between all units of the building industry will result in elimination of indeterminate price-cutting, declared E. J. Simpson at the annual conference and banquet of the Monterey County Builders' Exchange, held at Indian Village last Tuesday night.

More than 60 builders and their guests from all parts of the county were in attendance.

Simpson said the Master Plumbers Association, which is bending every effort toward ending price-cutting, also is advocating a sanitary district throughout the county for the purpose of curbing "unsanitary and unsanitary" plumbing. He asserted, results in general distress and replacement, making the ultimate cost greater.

Andrew Jacobsen, president of the county exchange, said the plasterers of the peninsula should follow in the footsteps of the plumbers. He declared there is as much opportunity for "unsanitary plasterers" to operate in unrestricted districts as there is for plumbers.

D. O. Dawson, secretary of the exchange, declared the "contractors' license law gradually is weeding out insolvent builders, notwithstanding political interference and blind folly."

"The state department will have available this year twice as much money," he added, "giving opportunity for closer inspection."

LABOR COUNCIL TO FIGHT WAGE CUTS

Denial that the Central Labor Council of San Joaquin County is participating in negotiations which would result in wage cuts in certain organized crafts, is contained in a statement made public by President J. W. Southwick. Copies of the statement have been sent to Governor Rolph, the Stockton city council and the San Joaquin Board of Supervisors.

The statement was issued as the result of a lengthy discussion of the matter at this week's meeting of the council. Rumors that the unions are sanctioning wage cuts are branded as false.

The rumors, according to reports of the discussion, are attributed to certain employers in Stockton who by threats of discharge have forced their employees to accept wage cuts.

In the statement Southwick reiterates the council's stand in support of the policy of the American Federation of Labor, which strongly opposes wage cuts.

The statement condemns employers who are cutting wages and reports that in several instances men and women in Stockton have been forced to work for 8 to 10 cents an hour to avoid starvation. Employers who are maintaining salaries are commended and are assured that their attitude will meet public approval.

L. A. CONTRACTORS WIN AIRPORT CONTRACT

The National Airport Engineering Co., Ltd., 777 East Washington St., Los Angeles, has been awarded a contract by the State of Louisiana for the construction of Sluahan Airport on Lake Pontchartrain, New Orleans. The initial work involves 5,500,000 cu. yds. of fill, 2 1/2 miles of concrete bulkhead and the construction of five buildings. The cost of the initial work will amount to \$1,500,000. Total cost of the completed project will be about \$16,000,000.

THE OBSERVER

What He Hears and Sees on His Rounds

Members of the construction fraternity, coming within the contractors' license regulations, will do well to get that license NOW and not wait until July 30—the dead line.

Last week down in Redwood City the successful contractor on a sewer project were unsuccessful in landing the job. Everything was in order for the award of contract when the contractors were asked to show their state license. They had not yet registered. They lost the job. The contract was awarded to the next lowest "regular" bidder.

Then again, at Fresno last week, the county supervisors had planned to let contracts in connection with the county hospital addition. The awards were postponed due to the recommendation of an investigator of the State Department of Professional and Vocational Standards, charged with the enforcement of the contractors' license law, who desired to confirm through Sacramento whether the lowest bidders were registered in accordance with that state law.

And again, on the Golden Gate Bridge project, one firm lost a contract involving the expenditure of \$132,495. The company bid on the job and, according to reports, later filed for a state license. The firm, however, did not have the license at the time the bid was submitted.

Down in San Jose one investigator for the State Department of Professional and Vocational Standards is reported to be fighting a big political unit, who, it is claimed, seeks to prevent the arrest of a contractor who is said to have violated the state contractors' license law. This investigator has been promised every possible aid from Sacramento headquarters and is determined to "bring in his man."

Over in Oakland the Alameda County Chapter of the Associated General Contractors of America is seeking to have legislation passed through the city council demanding that contractors produce their state licenses when making applications for building permits. No license—no permit—is the plan.

These few cases are cited to prove to those members of the construction family that YOU DO NEED a license to operate as a contractor within the state of California.

Don't wait. Get your license now. July 30 is the dead line—the last day.

BUT—something—anything can happen between NOW and THEN.

It happened in the cases cited above. IT CAN HAPPEN TO YOU.

The State of Vermont recently passed a Zoning-Enabling Act which will restrict the uses of land hereafter, making zoning effective now in every state in the Union. Zoning, which defines residential, industrial and commercial areas for the protection of property values, was put through in the 47 other states in approximately twenty years, as a result of a movement in which the National Association of Real Estate Boards has played an active part.

Wage rates per hour in the building trades throughout the United States, notwithstanding the business depression, have continued an almost uninterrupted rise that had its beginning in 1922, a report by the National Industrial Conference Board says.

At the end of 1930 the composite hourly wage rate of 15 building trades, in 23 principal cities, was 27.4 per cent higher than it was in 1923, the report says.

A readjustment of wage rates in order to stimulate construction work and give employment to thousands of idle workmen in the industry is proposed by the Building Construction Employers' Association of Chicago to the arbitration boards of all employers' associations in the building industry and to employees representing every building trade union.

Because they were unable to produce a license as required under the state law licensing contractors, the firm of Cambra & Garden of San Leandro lost a \$6117 sewer contract in Burlingame last Monday night. They had submitted the low bid on the project but just previous to awarding the contract the council requested that they produce a state license. They were unable to do so with the result that the award went to W. J. Tobin of Oakland at \$6760.

In response to an inquiry from the Los Angeles board of public works, City Attorney Erwin P. Werner has submitted a written opinion that the new California alien labor law does not apply to the contractor, but only to the men employed by him. It is not necessary, the city attorney says, that a contractor should be a citizen of the United States. He cited court rulings that a "contractor is not a laborer."

The city council of Sacramento has requested the Civil Service Commission to make a survey of the scale of wages prevailing for various types of labor in Sacramento in order to conform to a new ordinance requiring that the prevailing scale be paid on all public contract jobs. The council wants this information before bids are asked on construction of the new pretreatment works at the filtration plant.

Average production costs at Southern pine lumber mills, 64 reporting, for the first four months of 1931 were \$23.11 per thousand feet as compared with \$25.42 for the corresponding period last year. The 1931 production for the period was about 50 per cent of that for 1930.

Objection to proposed wage cutting of city employees has been lodged with Ossian E. Carr, city manager of Oakland, by Chas. R. Gurney, secretary of the Oakland Building Trades Council. The objection voiced the sentiment that at the present time the city should be the last to cut wages, and went on record against any wage cuts.

California must be given the constitutional right to develop and sell power if the proposed co-ordinated water conservation program is to be entirely successful.

This is the contention of Colonel

Walter E. Garrison, State Director of Public Works, following his return to Sacramento after a tour of the State with a congressional delegation which inspected the water projects.

Garrison expressed the belief that the State can look for aid from the national Government if a unified front is presented in favor of the State-wide program. It is probable a loan of \$350,000,000 will be asked to finance the entire project. The money would be loaned at 3½ per cent to be used when needed over a period of 20 years.

Garrison sounded a warning that the power developed in connection with the water program must be kept out of the hands of the power trust.

"It is my opinion that the voters of the State must pass a constitutional amendment which will permit the State to develop and sell power," Garrison stated.

Two lumber manufacturing plants, one at Cranell and the other at Korbell, Humboldt county, will be closed within the next few days, according to statements by officials of the Hammond and Little River and the North-east Redwood Lumber Companies. Both plants are to be closed indefinitely.

The state legislature of Maine has passed a law permitting state officials to prequalify bidders on public construction work. A statute was also enacted providing that bidders shall file certified checks instead of bid bonds.

This year's volume of highway construction is estimated by the U. S. Bureau of Public Roads, following a canvass requested by President Hoover, at \$1,616,110,563, a net increase of \$14,943,108 over last year. The net increase represents the difference between an expected increase of \$154,249,000 in the expenditure of federal funds and an expected decrease of \$139,305,892 in state and local expenditures on road construction. Included in the \$253,897,000 total of federal funds are the regular federal-aid 50-50 allotments, the emergency appropriation of \$80,000,000 made available to the states for matching federal-aid money, and comparatively small sums drawn from forest road, park service and public lands treasuries. Estimated expenditures by state and local governments this year are estimated at \$1,556,213,563.

Reports of new orders for fabricated structural steel for the week ending June 27, 1931, were received from 102 establishments, whose capacity represented 53.8 per cent of the total capacity of all plants in the United States. The bookings reported by these establishments amounted to 18,619 tons, representing 37.5 per cent of the total capacity of reporting establishments. Reports of shipments of fabricated structural steel for the same week were received from 98 establishments, whose capacity represented 51.5 per cent of the total capacity of all plants in the United States. The shipments reported by these establishments amounted to 21,500 tons, representing 45.2 per cent of the total capacity of the reporting establishments.

Blaw-Knox Co., Pittsburgh, Pa., announces the appointment of Roger W. Andrews, now assistant to the president, as vice-president and a director of the Blaw-Knox International Corp. Mr. Andrews will reside in Paris and will be in charge of the company's European activities. He will take the place of C. T. Clack, who recently died in Germany.

ALONG THE LINE

Hugh J. McGuire has been reappointed a member of the Los Angeles board of public works. McGuire has been a member of the board for the last 11 years.

The National Lime Association, 927 Fifteenth Street, N. W., Washington, D. C., announces the appointment of Lee E. Trainor as Chief Engineer, Construction Division.

Ed. Conradt, 75, general contractor of Reno, Nevada, died at Billings, Montana, last Monday. Conradt retired from business activities about a month ago due to his health.

California Steel Products Co., 452 Bay Street, San Francisco, and Patterson Bros., 573 Santa Rosa Avenue, Berkeley, have been granted membership in the Alameda County Builders' Exchange.

F. E. McCaslin of the Oregon Portland Cement Company was elected president of the Building Material Dealers' Credit Association of Portland, Ore., last week. Geo. E. Francis of Francis Bros., was elected vice-president. George W. Herron was re-elected secretary-treasurer.

John T. Harvey, retired building contractor, died at his home in Berkeley last Friday following a short illness. Harvey was born Aug. 10, 1885, in Torquay, Devonshire, England. He went to Canada when 17 years old and later went to Los Angeles where he engaged in the building business from 1892 to 1912.

Robert H. Spurgeon, Santa Barbara architect, died in this city recently, following an illness of one week. He was 37 years of age and a graduate of Columbia University. Prior to locating in Santa Barbara he lived at Riverside.

The question—"What is the price of steel?" is asked and answered in a bulletin issued by the American Institute of Steel Construction, as follows:

"Steel is no less valuable in bad times than in good.

"It is not a perishable commodity. We don't have to sacrifice it. We had better store it away than give it away.

"If we're selling potatoes and they don't move, we may be forced to put a price on them if we don't want a lot of rotten potatoes on our hands, or the health department down on us.

"But it's different with steel.

"Structural steel is bought to enable the purchaser to achieve a desired result. It's the result that is paid for. Steel is only the means to that end.

"If the result is needed in bad times the buyer will pay just as much to get the result as he would in good times. And the result may be even more needed in bad times and therefore worth more to the purchaser.

"To think that more steel can be sold in bad times by price reductions is all bunk. The German steel-makers thought that last year, but reduced prices have sold no more steel for them, and German workmen are walking the streets.

"Let's not repeat these conditions over here."

HERE—THERE
EVERYWHERE

Los Angeles city council has repealed two ordinances which would have permitted Alphonzo Bell to operate a rock crusher on his estate in the Santa Monica mountains. Mr. Bell planned to develop deposits of limestone, slushing crushed rock thru a pipe line to the sea and using it in the manufacture of cement at Los Angeles harbor.

Subcontractors of New Orleans have reorganized under the name of the Allied Subcontractor Group, Inc., in an effort to end alleged abuses from general contractors. The subcontractors claim their prices are beaten down by general contractors after they have submitted fair bids and that unfair prices must be accepted to get work at all. They further allege that certain contractors fail to pay their subcontractors' bills or materials bills.

San Francisco Chamber of Commerce has joined other forces in opposing the application of railroads of the country for a horizontal 15 per cent increase in freight rates.

New Mexico state legislature has enacted a law requiring that 85 per cent of the employees on public work in New Mexico shall be residents of that state.

A bill making the payment of the prevailing rate of wages on public construction work mandatory has been passed by the Illinois state legislature.

The United States Treasury Department has completed 115 buildings of the expanded public buildings program at a cost of \$37,737,362.

In addition there are under contract 186 projects which when completed will cost \$104,795,366. Sites have been purchased in the District of Columbia at a cost of \$23,866,963 and 66 projects outside the district have advanced to or beyond the specification stage. When completed these will cost \$68,041,800.

The entire program, pushed during the last year to aid the employment situation, will cost the government approximately \$700,000,000 when finished six years hence.

The largest part of the program, that outside of the District of Columbia, and authorized over the last six years, contemplated total expenditures of \$415,000,000.

Reports of new orders for fabricated structural steel for the week ending July 4, 1931, were received from 100 establishments, whose capacity represented 51.1 per cent of the total capacity of all plants in the United States. The bookings reported by these establishments amounted to 35,711 tons, representing 75.7 per cent of the total capacity of reporting establishments. Reports of shipments of fabricated structural steel for the same week are received from 96 establishments, whose capacity represented 48.9 per cent of the total capacity of all plants in the United States. The shipments reported by these establishments amounted to 17,805 tons, representing 39.5 per cent of the total capacity of the reporting establishments.

TRADE NOTES

Pioneer Pipe Company, 624 Townsend St., has commenced the manufacturing of used pipe, valves, casing, and fittings. In addition, the new company is jobber, exporter, retailer and wholesaler of new pipe, casing, valves and fittings. The location of the new company covers approximately 60,000 sq. ft. where new machinery and equipment has been installed at a cost of \$10,000. Northern California is served from San Francisco, exporting to all parts of the world. George P. Alexander is president and general manager.

Posey Manufacturing Company, 112 Market Street, has opened a branch office and warehouse here in San Francisco. A complete line of Spruce, Oregon Pine, Box Shook, Alder and Maple is carried at the warehouse for distribution throughout Northern California. For the past 33 years this company, the home office of which is in Hoquiam, Washington, has been engaged in supplying lumber for aeroplane construction, having supplied part of the wood used in the Lindbergh and Kingsford-Smith planes. E. C. Hamilton is general manager of the new company.

Wickwire Spencer Sales Corp. announces that R. E. Ratcliff, representative in the Texas district, has been transferred to Tulsa, Okla., to take the place of Lawrence J. Baldwin, resigned. Robert Dougan, formerly connected with the Gulf Concrete Pipe Co., of Houston, Tex., has been made manager of the structural products department of the Tulsa district to take the place of J. M. Mercer, who has resigned to go into business in California as a member of the Curtis Whitney Steel Co.

Atlas Imperial Diesel Engine Co. announces the sale of a number of portable Atlas diesels to Six Companies, Inc., for use in driving air compressor units on the construction of the Hoover Dam. Atlas diesel power units are already in use on the project in the construction of a highway by J. L. LeTourneau.

Geo. A. Fuller Company at approximately \$11,000,000 has been awarded a contract to erect a 43-story office building at La Salle, Adams and Clark Streets, in Chicago. The project will provide work for about 7500 men in the Chicago territory.

A little more than half of the new business quota set for 1931 was obtained in the first half of the year by the Pacific Gas & Electric Company. New business developed up to June 30 is estimated to produce \$4,895,514 in annual revenue, or 53.6 of the year's quota of \$9,050,357. The company had signed up 58.5 per cent of the quota set for new electrical business and 48.7 per cent of the gas quota.

A conference of city officials and civic and commercial organization representatives to consider San Francisco's industrial position is suggested in a letter addressed yesterday to the Board of Supervisors by the Civic League of Improvement Clubs and Associations. The league believes that such a conference could devise ways and means of conducting an industrial survey that might have an important bearing on the growth and development of the city as a whole.

ENGINEERING NOT ENTIRELY LACKING IN APPEAL TO CULTURE

Economics is inherent to engineering, says Prof. H. B. Walker, head of the University of California Division of Agricultural Engineering at the Branch of the College of Agriculture at Davis. "An economist, he says, may not be an engineer but a successful engineer, whether he is conscious of it or not, becomes an economist.

"Too often engineering is judged solely by the economic results obtained," says Professor Walker. "It is the usual custom to do this. It is a tangible measure and for the most part engineers deal in tangible terms. When social factors are introduced intangible values are involved and most engineering reports do not devote much space to intangible values. However, the charge should not be made that engineering is entirely materialistic and lacks cultural appeal.

"Culture relates to human impulses which tend toward the enlightenment of civilization. A man may have a trained mind and still be lacking in cultural impulses. To say that engineering studies are lacking in cultural appeal is hardly the truth. A knowledge of physics and mechanics is necessary to design a labor saving machine. The machine when perfected is justified in the public mind by its economic importance, yet the same machine may be the means of overcoming adult and child labor, shortening working hours and providing needed time for pleasure and self-improvement of workers.

"These social benefits rarely go to the credit of engineering nor do such factors bring credit to the engineer as one who is concerned with cultural impulses. On the other hand, it must be admitted that strictly engineering subjects have less cultural appeal than many of the courses in liberal arts. For this reason a great responsibility rests upon the engineering teacher to inject the proper social and cultural aspects of engineering training into the more drab engineering courses. Furthermore, a study of the so-called cultural subjects should be encouraged among engineers."

MARYSVILLE COUNCIL FAVORS HOME LABOR

An ordinance that would provide for the enforcing of preference for the employment of resident labor upon public works in the city of Marysville and defining conditions under which contracts for such work should be awarded has been given first reading by the Marysville City Council.

The matter was then laid over for future consideration. A residence of at least one year would be required for both skilled and common laborers.

CURTIS HEADS SAN JOSE PLANNING BODY

Ernest N. Curtis, San Jose architect has been elected chairman of the San Jose City Planning Commission.

City Engineer William L. Popp was re-elected secretary and M. H. Antonacci was re-elected engineer for the commission.

The election followed resignation a month ago of Warren H. Pomeroy as chairman and member of the commission, Karl Stull thereupon being appointed to membership by City Manager C. B. Goodwin. Other members of the commission are W. L. Atkinson and City Attorney Archer Bowden.

SAN JOSE CEMENT STOCK SALE APPROVED

In connection with the forthcoming offering of San Jose Cement Company, Ltd. stock, Vincent Gerdeau, its secretary, reports that there are only two plants in the United States manufacturing the rapid setting cement it specializes, both in the East. These plants are operating on an extremely profitable basis with an impressive record of earnings and dividend payments. At present 82 per cent of the United States requirement is imported.

The Corporation Department recently authorized the company to sell 225,000 shares of prior preferred and 225,000 shares of common stock in units of one share of prior preferred and one share of common at \$10 per unit. It was also authorized to sell 170,000 shares of participating preferred and one share of common at \$20 per unit.

Authorized capitalization amounts to \$19,500,000, consisting of 225,000 shares of prior preferred, 200,000 shares of participating preferred and 1,500,000 shares of common stock, all of \$10 par value. The prior preferred will bear a 7 per cent cumulative dividend while the participating preferred will receive 7½ per cent after payment of the prior preferred requirements.

In addition, the participating preferred is entitled to receive 35¢ per share additional along with the common after payment of the preferred dividends. Thereafter, surplus earnings go to the common stock.

WESTINGHOUSE MAKES CHANGES IN PERSONNEL

Effective July 1, the Westinghouse Electric & Manufacturing Company announces the following changes in personnel of the Merchandising Department:

C. A. Meier, formerly Merchandising Manager of the Southwestern District, is transferred to the Pacific Coast as Regional Sales Manager with headquarters in San Francisco.

George Baily, formerly Pacific Coast Merchandising Manager, is transferred to Mansfield in the capacity of Assistant to Sales Manager.

N. E. Harvey is appointed Merchandising Manager of the Southwestern District with headquarters in St. Louis.

Reese Mills, formerly Assistant Director of Merchandise, is appointed Range and Water Heater Sales Manager and in addition will supervise the sale of farm lighting and water systems with headquarters at Mansfield.

H. G. Kobick, formerly Assistant Director of Merchandise, is appointed Washing Machine Sales Manager with headquarters at Mansfield.

ELECTRIC INTERESTS AT WATSONVILLE ELECT

A. L. Fairwell of the Just-Rite Electric Company was elected president of the Monterey Bay Division of the Electrical Contractors and Dealers at a meeting in Watsonville last Wednesday night.

Mrs. Edith Stanovich of the Central Electric Company was elected secretary.

Dealers and contractors from Morgan Hill, Gilroy, Hollister, Santa Cruz and Watsonville were present at the meeting.

A committee will be appointed to bring the dealers and contractors of the Monterey peninsula into the district organization.

HAUSER CONSTRUCTION COMPANY REORGANIZED

Reorganization of the Hauser Construction Company, which has been operating for many years on the Pacific Coast, has been announced at Long Beach, where it had contracts for constructing the Long Beach breakwater and jetties and the Rainbow pier.

Two new companies have been formed. One of these, the Kumpke-Hauser Corporation, Ltd., will take over the granite quarries opened about five years ago by the Hauser Construction Co. at Ormand, Riverside County, and supply granite riprap to contractors. Officers of this company are: Karl B. Kumpke, president; Kenneth H. Hauser, vice-president; E. C. Orser, secretary-treasurer.

The other company, Karl B. Kumpke, Ltd., is an engineering corporation which will specialize in jetty, breakwater and harbor work. Mr. Kumpke is president. Headquarters of both companies will be in the Security Bldg., Long Beach. The Hauser Construction Company, of which Kenneth Hauser is president, will operate in the Pacific Northwest, while Mr. Kumpke will operate chiefly in the Pacific Southwest. The latter has disposed of his interests in the Hauser Construction Company, of which he was vice-president and general manager for the last 10 years.

STANISLAUS COUNTY FAVORS LOCAL LABOR

All labor employed on construction undertaken by the Stanislaus County Supervisors will henceforth be done by at least 80 per cent of Stanislaus County residents.

An ordinance specifying this, introduced by Supervisor E. K. Finney, was adopted unanimously by the Board of Supervisors, in session last Monday. The measure was supported strongly by labor unions.

The ordinance requires all work ordered by the county, whether it be contract employment, repair or maintenance work, be done by "at least" 80 per cent bonafide Stanislaus residents who are American citizens.

Contractors submitting bids for jobs must agree to use not more than 20 per cent outside labor. Contractors working for the county, upon completion of a job, must make an affidavit setting forth that provisions of the ordinance have been complied with.

"This ordinance means," Finney said, "that residents of Stanislaus County will be assured of work on county jobs."

L. A. DAM RESTS ON "LIVE" FAULT

A special board of two engineers and a geologist, assigned to investigate the huge Mulholland dam above Hollywood, has determined the structures rests on a "live" fault and should be abandoned, according to word from Los Angeles.

The dam is visible in the hills from a main section of the Hollywood business district and looks down upon many homes in the film colony.

J. R. Shields, city building inspector of Sacramento, has ordered the Buddhist Church of that city closed. Shields maintains that the building is unsafe, declaring that the roof over the auditorium is settling dangerously and that it would be unsafe to permit the use of the structure until repairs can be made. The building was erected in 1924.

Proposed Freight Rate Increase Draws Protest of Lumbermen

A protest against the proposed 15 per cent increase in freight rates throughout the country has been filed with the Interstate Commerce Commission by the National Hardwood Lumber Association with a nationwide membership.

A reduction of wages and employment by the railroads is urged to meet the situation in lieu of the proposed advance in rate.

"An increase in freight rates at the present time," says the protest, "would bring an increase in retail prices and would discourage building, as well as buying in general. The public has suffered long enough during the past two years without putting an additional burden upon them. Lumber is now at a price level with that existing before the war, whereas freight rates are double those existing before the war, or representing even a greater increase," declared the association's protest in behalf of its member companies throughout the states of Illinois, Pennsylvania, New York, Michigan, Wisconsin, Tennessee, California, West Virginia, Indiana, Massachusetts, Ohio, Kentucky, Missouri and the province of Quebec, Canada.

"The proportion of the total price paid by the consumer for lumber today, which represents total freight or transportation charges, is considered greater than it ever has been in the history of the lumber business and promotes a tendency to seek other materials to take the place of lumber through conditions for which the lumbermen themselves are not at all responsible," it was stated.

CHEMICAL PERFECTED TO DESTROY TERMITES

The invention of a chemical for destroying termites, which feed on the woodwork of buildings and cause untold damage, developed by T. T. Flagler, Atlanta contractor, promises to extend the use of wood in building in tropical and semi-tropical countries where the invasions of the termites have rendered its use unsafe. This chemical is called Termicide.

The Timber Treating Department of Mr. Flagler's organization experimented for many months with the combatives of termites used by the Army, Navy, and other government chemists and finally developed the chemical, Termicide, which has proved highly effective. This chemical not only penetrates the infested wood, killing all insect and fungus life but also deposits a preservative crystal over the surface of the wood that protects it against any further infestations.

This process is put into effect by means of a compressive machine, exerting from 20 to 30 pounds of pressure, and a long hose that will reach any part of a building. This forces the chemical into the wood and the results are immediate.

L. A. PLUMBING CODE IS AMENDED

An amendment to Section 22 of the Los Angeles city plumbing ordinance Ordinance No. 58,500 requiring a backwater trap or an approved check valve to be installed in all deep soil and waste drains will go into effect July 25. These traps are to prevent sewage flowing back into plumbing fixtures in basements. The amendment will affect chiefly new buildings in the central business district, but some residential structures may also

DEFECTS SEEN IN DAVIS-BACON LAW

"The Davis-Bacon prevailing wage law for federal buildings is operating just about as predicted," says The Constructor, A. G. C. publication. "One of the first projects to come into dispute illustrates what may be expected under this nebulous act. The facts are about as follows:

"Shortly after the law became effective bids were called for on a government building project located in a rural district. The contractor who subsequently put in the low bid sent a man to the vicinity to investigate the prevailing wages. He found only three projects under way in the county. The wages for bricklayers on these projects were 60 and 75 cents per hour. The prevailing wage thus was not more than 75 cents per hour. Other wages were in line with this rate.

"The contractor used 75 cents per hour in his estimate. Numerous other contractor bidders on the project had undoubtedly used various other figures in estimating, some of which were based on personal investigation and others on guesses as to what the prevailing rate might be. The government refused to establish a rate in advance which would be fair and acceptable to both workmen and government officers as was requested by The Associated General Contractors of America.

"The contract was awarded to the low bidder but, to complicate matters, two other contracts subsequently let on the same government project got to the bricklaying stage first. One of the contractors elected to pay \$1 per hour and the other \$1.12½.

"When the contractor on the first job got around to laying brick and established his original prevailing rate of 75 cents per hour, complaint was registered with the head of the federal department. The contractor was called in to answer the charge of paying less than the Davis-Bacon Law required.

"A claim was presented by organized labor that the rate was \$1.50 per hour for bricklayers. However, no project could be pointed to in the vicinity of the government work on which that rate had been paid at the time of the award. Apparently the only evidence available pointed to the 60 and 75 cent rate as prevailing at the time the bids were called and the original award made.

"Out of the conflicting claims and counter claims the department head who, under the law, is required to make an adjustment if possible, decided that the best thing to do would be to compromise. The contractor was requested to pay \$1 per hour to bricklayers and carpenters."

FOREIGN TRADE SHOWS A DECLINE

Foreign trade of the United States during the first six months of 1931 amounted to approximately \$2,420,000,000, a decline of about \$1,380,000,000, the commerce department announces. Exports during this period totaled \$1,215,555,000, a drop of \$759,761,000, while imports were \$1,109,600,000 a decline of \$629,221,000.

The favorable balance of trade was \$306,262,000, as compared with \$339,732,000 for the same period last year.

At a special session of the Georgia state legislature an appropriation of \$200,000 was voted to purchase a farm to be operated by convicts. The purpose of the act was to withdraw convicts from competition with free labor on highway work.

ENGINEERING SOCIETIES EMPLOYMENT SERVICE

Further information regarding positions listed in this column is obtainable from Newton D. Cook, Room 715, 57 Post Street, San Francisco. (Phone Sutter 1684).

R-3606-S INDUSTRIAL ENGINEER, 30-35 years old, with experience handling labor problems and rate setting, for employment with consulting engineer. Must have organizing ability, initiative, tact and abundant energy. Must be a salesman with technical training and mathematical ability and a proven interest in the labor element of manufacturing production. Apply by letter giving experience in detail, education and general qualifications, with photo. Salary open. Location, Pacific Coast.

R-3605-S SALES ENGINEER, young American or Englishman, technical graduate with 5-10 years' experience. Successful applicant will act as technical advisor and super-salesman of hydraulic and irrigation equipment and it is essential that he have five years' hydraulic experience and the right personality for sales work. Must be single, 3 years contract. Apply by letter, giving experience in detail, references and photo. Location, India. Headquarters, United States.

R-3601-S CHEMIST, graduate, with some experience in wood pulp, paper or cellulose utilization for research laboratory of manufacturing company. Apply by letter with details of experience and photo. Salary about \$200 per month. Headquarters, San Francisco.

R-3610-S ENGINEER, experienced in the design and application of steel forms to tunnels and heavy construction. Must be able to sell, design equipment and supervise construction. Salary depends upon experience. Apply only by letter. Headquarters, San Francisco.

R-3612-S SALES ENGINEER, able to meet the consumers as well as agents, for line of water softeners. Must have sales experience, preferably along similar lines. Must have car and will have to be bonded. Straight commission. Location, San Francisco to Monterey. Headquarters, San Francisco.

R-3613-S SALES ENGINEER, to handle water softeners, and in addition will cover electric refrigerators and all types of pumps. Will deal with agents almost exclusively. Would like to get some one who has been calling on plumbers or plumbing trade. Must have own car and will have to be bonded. Straight commission. Location, San Joaquin Valley. Headquarters, San Francisco.

W-2886-C-S (K-370) ENGINEER, experienced in railroad operation, for designing and constructing trackage and track equipment for freight and passenger terminals, yards, classification yards, etc. Salary, \$500-\$600 a month, 10% off for income tax, balance 40% in American money and 60% in rubles for living expenses. Transportation furnished. Apply only by letter. Location, Moscow.

R-3607-S STUDENT ASSISTANT, to help man in charge of shop instruction at small college. Young man with some experience in wood and iron working can earn full tuition, board and room while attending college. Location, Northern California.

VALUE OF BUILDERS' EXCHANGE TO MEMBER, PUBLIC AND NATION

George Israel, secretary-manager of the Pasadena Builders' Exchange and executive secretary of the California State Builders' Exchange, is probably the most active organization man in the construction field in the Pacific Coast district.

Israel recognizes the value of organization with proper guidance and can point out specific instances where solid unity of organization has been the means of correcting many evils in an industry.

Recently he was asked to answer three questions on the value of a Builders' Exchange to the Individual Member, to the Public at Large and to the State and Nation.

His answers are published herewith. —Editor.

By GEORGE W. ISRAEL

Questions

1. What is the value of the Builders' Exchange to the Member?
2. What is the value of the Builders' Exchange to the Public at Large?
3. What is the value of the Builders' Exchange to the State and Nation?

First I would say the Builders' Exchange represents the greatest industry in California from both a financial standpoint and the visible importance in all its accomplishments. Without the work done by the builders, California would be just one vast area of sand, sage brush and greasewood, inhabited by wild animals, horned toads and snakes, possibly some of the more slimy and creepy of the latter class are not as yet all eradicated.

Answering your First Question: Can you visualize any important business or movements that has not gotten its substantiality by organization, cooperation, a meeting together of its leaders, and have you not invariably observed that the so-called leaders are without exception made up of a class of business men who are always recognized in their respective communities, and, through depression as well as prosperity, these leaders ride the tide and continue to do things clearing the pessimistic atmosphere till the bright sunshine rewards them in their efforts.

Question Two: When I was first invited into the Builders' Exchange movement and before accepting the charge proffered me, I spent several weeks over the state visiting Exchanges, talking with builders on the job, studying conditions pertaining to building and the building public, my uppermost thought being—would consistent organized effort of the builders be a good thing or a bad thing for the building public.

After six years' experience I can positively state that every Builders' Exchange recommended movement in constructive laws, city ordinances where sanctioned by the Exchange. Every meeting held by the Exchange and every reform recommended by the Builders' Exchange has been directly in the interest of the building public, and in the premise I am sure this is why you never hear one word from the public derogatory to the Builders' Exchange. On the contrary you hear praise and nothing but praise wherever the name Builders' Exchange is mentioned, with the possible exception of a few disgruntled builders who

still advocate the antiquated "go it alone" plan in lieu of paying dues, and I firmly believe as long as the Builders' Exchange is kept out of politics and free from "philanthropic" job hunters it will continue to carry on.

If there is any doubt as to what this means I would refer you to the many, many excellent and worthwhile movements STARTED in worthy causes which have been cut short in their careers by special privileged groups and job hunters playing their various schemes to the extent that substantial firms and men seeing the "coarse type handwriting on the wall" simply drop out, disgusted and discouraged, and another worthwhile START goes on the rocks.

Through the honest efforts of the Builders' Exchange together with the valuable cooperation of the A. G. C.'s, California has the best license law in the nation, a law shooting straight at the uncertain builder, a law which will save the building public millions of dollars as time goes on, and will protect the dependent widows and orphans who have been trimmed, and beautifully trimmed, by unscrupulous contractors in all lines. By ridding the industry of these would-be builders there will remain only such a class of contractors who will be a credit to the industry and to the Builders' Exchanges.

In re Question Three: When a general epidemic strikes a country it would seem futile to quarantine a local district with no attention given other districts. Just so a local Builders' Exchange, though it be worked up to the highest state of perfection, if the neighboring cities over the state and nation were not organized the one single Exchange would only bump its head against a circumscribed stone wall in its accomplishments, particularly when the all-important matters of state and national legislation are considered.

The Builders' Exchanges of California, together with the Associated General Contractors of the State organization, have gotten the Contractors' Law THROUGH STATE-WIDE ORGANIZATION, and as time goes on this wonderful piece of legislation will be of inestimable value to both the builders and the building public, and the principle involved applies equally to the local, state and national Builders' Exchange.

The importance of the industry should make every person connected with it a staunch supporter of his local Exchange as well as the State and National, and this condition is fast being realized by all leaders in the industry, and never overlook for a minute—the "leaders" are simply those who do the work, the builder himself is the only person keeping himself from being one of these so-called leaders and to be recognized as one of these broad, advanced thinking, leaders is a grand and glorious feeling—

Standard Building & Loan Association of San Francisco, capitalized for \$500,000, has filed articles of incorporation in Oakland. Directors are R. F. Chilcott, Redwood City; H. A. Bewley, San Bruno; J. W. Coleberd, South San Francisco; John D. Willard, Redwood City; A. H. Burnett, San Rafael; C. E. Hunt, Santa Rosa; E. L. Dearborn, Fairfield; B. S. Hubbard, Oakland; Paul M. Brock, San Francisco.

STANDARDS SET UP FOR TRAINING IN FARM ENGINEERING

Five standards for technical agricultural engineering education were submitted to the American Society of Agricultural Engineers by Prof. H. B. Walker, head of the University of California Division of Agricultural Engineering. Professor Walker presented a paper before the recent annual meeting of the organization, in which he presented the following in his summary of standards:

Agricultural engineering education is essentially engineering education.

Technical engineering education should be administered by colleges of engineering.

The differentiation between agricultural engineering curricula and other engineering curricula should be as slight as possible consistent with preparation for efficient service to the agricultural industry.

The foundation courses in all engineering curricula should be identical.

The term agricultural engineering when used in connection with the word education should relate only to technical training leading ultimately to a bachelor of science degree in engineering.

While Professor Walker's paper dealt with technical agricultural engineering education, he said that "The organization of agricultural engineering divisions or departments for the purpose of teaching courses relating to farm production and management and for the conduct of research is justified and highly commendable. In this work the problems of administration and organization may be quite different from those of technical training. These functions for the most part are intimately related to the work of the colleges of agriculture and agricultural experiment stations and as such should be subject to their administrative and technical regulations."

CONTRACTORS WIN EXTORTION AWARD

Twohy Brothers, a construction company with offices in principal Pacific Coast cities, was awarded a judgment of \$275,000 by a jury in Federal Judge James H. Wilkerson's court in Chicago, last Monday against six mid-west banking and investment houses.

The defendants, charged with extortion in connection with an Arizona road bond issue, were the Mississippi Trust Co. of St. Louis, the Detroit Trust Company, R. M. Grant & Co. and C. W. McNear & Co. of Chicago, Bolger, Morser & Willaman Company and A. C. Allen & Co.

The construction firm, 10 years ago, contracted to build roads in Maricopa County, Arizona. The defendants purchased the bond issue.

In their bill, Twohy Brothers charged that in 1921, after a drop in the bond market, the defendants threatened the construction firm with bankruptcy unless it made good their loss. Twohy Brothers' bill said, paid the defendants \$185,000.

The firm filed suit several months ago in Chicago against the six companies, charging extortion, and asking damages of \$275,000, the principal paid and accrued interests. The defense attorneys asked for a new trial and Judge Wilkerson will hear the petition July 30.

RENTAL SITUATION FROM THE APARTMENT OWNERS VIEWPOINT

"Certain buildings are carrying a larger percentage of vacant apartments than has occurred in their history," says the official organ of the Apartment House Owners and Managers Association of San Francisco. "This is happening in both old and new structures. Among the newer buildings there has been a strong competition for tenants in which unethical methods have played a most important part in needlessly hammering down rents. Contented tenants have been solicited by mail and telephone. Managers of certain large new buildings in California have received orders from the mortgage companies who have taken over the buildings 'to fill the buildings'; 'to make concessions of free rent, running to two and three months'; 'to throw ethics to the winds and to use every possible means without any regard to the effect on the business as a whole'; and lastly, 'to take tenants whether good, bad or indifferent, socially, morally or financially, but get the money.' The result of such unfair competition has disturbed many well-satisfied tenants with the result that they have approached their landlords with a request for a cut in rent. Some landlords have granted the cut in order to meet unethical competition. These short-sighted operators are, of course, hurting the entire apartment house business just as a cut-rate drug store often ruins an independent pharmacist. Eventually the cut-rate drug store meets his Waterloo in another fellow that is just as shortsighted as himself. It is a bad game and eventually leads to bankruptcy. Past experience shows that both owners and managers who conduct their business without regard for their competitors eventually seek some other means of livelihood. They burst like every other bubble that is not built on a solid foundation of a fair return on the investment.

"San Francisco is no exception. It is not underbuilt. There will be no reductions in rents; there cannot be.

There will be little building this year by those who know the situation. The present rent schedules of some of our new large houses will not warrant any bank or mortgage company to advance money, especially if they are cognizant of the concessions of two and three months' free rent. It is likewise an unwise policy to supply money to jeopardize present investments. Of course, there will be and should be some building of a certain type. Anyone contemplating building should investigate the experience of those who built contrary to our advice last year and as a result their rental schedules have been greatly reduced from the one on which the property was financed.

It is not necessary to entice tenants from one apartment house to another. That has never been done without regret. It is bound to result in a chaotic rental market. The present system of throat-cutting going on among a few apartment houses means eventual bankruptcy for all concerned and will be of no benefit, in the long run, to either landlord or tenant.

Rental conditions, if they had not been attacked by price cutters, were and are normal. Our overhead, such as water, gas, electricity, fuel oil, insurance, and taxes, have not been cut. Apartment house help, from the manager to the house scrub boy, have never been liberally paid, such as the building crafts or the white collar brigade. No man would suggest that rents could be reduced by paying poorly paid help less wages. The standards of operating apartments have been raised in the last few years. The tenants are getting more for their rent dollar than ever before. The landlord is receiving less from his rent dollar than formerly.

"We can look for a struggle—a little hard at first but with a rosy glow in the not very distant future, provided that there are not too many owners attempting to do the impossible. No man can sell at a loss and continue in business."

Lumber & Supply Co., Ft. Wayne, Indiana.

Hager also stated that 90 per cent of American families must live in houses costing less than \$10,000; the price class in which the new company is most interested. The program is both liberal and safe, providing funds for 75 per cent of the combined cost of house and lot, mortgages carrying 6 per cent and completely amortizing in 15 years through monthly payments of \$344 per thousand dollars borrowed by the owner.

Special safeguards are provided to insure exceptionally strong security behind each loan. Advanced architectural design will be required, and well-known architects like Pierre Boukou, Earl Reed, Jr., and Arthur Howell Knox are serving on the corporation's architectural advisory counsel. Materials of highest quality will be selected from products of leading manufacturers for use with the best of construction skill. Life, health and accident insurance will be carried on the owner, and complete guarantees as to quality of materials and construction will be given the owner in writing under bond.

"Furthermore," stated Hager, "the owner will be relieved of all bother, all details, and the entire job will be directed and personally supervised by the participating lumber dealers. It is now as easy to buy a beautiful, convenient, quality home as to buy a vacuum cleaner. Under this plan the purchase payments are virtually the same as rent on the same house—thus adding little or nothing to the family's expense budget for acquiring ownership of a fine, high quality home."

U. S. EMPLOYMENT IS DOWN SLIGHTLY

Reports from 45,911 establishments in 15 major industrial groups showed there was a decrease of two per cent in employment and a decrease of 4.5 per cent in payroll totals in June as compared with May, the bureau of labor statistics announces.

Employment in manufacturing industries in June decreased 2.6 per cent as compared with May, while payroll totals decreased 6.2 per cent.

Per capita earnings in manufacturing industries in June were 3.6 per cent less than during the preceding month.

The July, 1931, issue of the California Labor Market Bulletin, just released by James W. Mullen, chief of the division of labor statistics and law enforcement, shows decreases in employment and payrolls in California manufacturing establishments in June, 1931, as compared with June, 1930.

The bulletin shows that the same 1143 representative manufacturing establishments had 152,232 employees in June, 1931, as compared with 155,881 employees in June, 1930, a decrease of 33,649, or 18.1 per cent. The total weekly payrolls for these establishments were \$4,190,708 in June, 1931, as compared with \$5,666,396 in June, 1930, a decrease of \$1,475,288, or 26.1 per cent.

Governor Arrillaga, during the days of Spanish rule in California, issued a proclamation in 1793 calling on the parishes to conduct an educational campaign among the Christians and the pagan Indians against fire. The losses from fire along the Camino Real to forests and pastures then threatened the natural wealth of the State just as at present, 138 years later, in the days of Governor Rolph.

NEW FINANCE CORPORATION TO SPEND \$10,000,000 FOR HOMES

More than \$10,000,000 worth of new small construction will be released through the nation-wide operations of the National Homes Finance Corporation just formed in Chicago, Alton J. Hager, chairman of the board and president of the National Association of Retail Lumber Dealers, declares.

"This means the return to employment of at least 3,000 men in the construction of new homes and an additional 2,000 men on modernization and improvement projects," said Hager. "That is only the start, and includes only projects we definitely have in hand. Countless others will be influenced through the release of funds from other sources.

"For housing American families," Hager declared, "our minimum requirements are 400,000 dwellings annually—and we have built only a fraction of this number during the last three years. To this figure must be added the necessary replacement of obsolescent structures to get actual housing needs."

Economists have pointed out that prosperity invariably follows the small construction industry out of depressions, and lack of adequate financing has been the retarding factor in the present situation. According to Ha-

ger, the National Homes Finance Corporation, capitalized for \$2,500,000, and operating in 44 states, will make itself definitely felt in the economic situation this fall.

The company is organized by leading retail lumber dealers operating in several hundred markets, and men of national prominence in this industry have been working for over a year to get this company under way. Arthur A. Hood, president of Associated Leaders of Lumber and Fuel Dealers of America, of Chicago, and Emory J. Lee of Ames, Emerich & Co., Inc., international investment bankers of New York and Chicago, developed the plan. Both of these men are on the board of directors, the others being Alton J. Hager, president, Hager & Cove Lumber Co., Lansing, Mich.; John Dover, president, John Dover Lumber Co., Tacoma, Wash.; Marshall Forrest, vice-president, Ames, Emerich & Co., Inc.; Davis W. Glass, treasurer, Keystone Lumber Co., Pittsburgh, Penn.; W. L. Hixon, president, Hixon-Petersen Lumber Co., Toledo, Ohio; I. B. McFarland, general manager, Temple Lumber Co., Houston, Texas; Fred J. Robinson, president, Fred J. Robinson Lumber Co., Detroit, Michigan; Fred Wehrenberg, vice-president, Standard

Building News Section

APARTMENTS

Construction Postponed
APARTMENTS Cost, \$10,000
OAKLAND, Alameda Co., Cal. Mer-
 rit and Prospect Sts.
 Three-story wood frame apartments
 with concrete basement (12 2-room
 and 1 3-room apts.)
 Owner—A. Visser, 6008 Orchard Street,
 El Cerrito.
 Plans by L. F. Hyde, 372 Hanover St.,
 Oakland.

Plans Being Completed.
HOTEL-APT. Cost, \$125,000
ALAMEDA, Alameda Co., Cal. Web-
 ster and Haight Sts.
 Four-story frame and stucco apart-
 ments (110 rooms; one-story rein-
 forced concrete garage).
 Owner and Builder—J. C. Martin, 1437
 5th St., Alameda.
 Plans by Owner.
 Sub-bids will be taken in about ten
 days.

Owner Taking Bids
APARTMENTS Cost, \$22,000
SAN FRANCISCO, W. Castro Street
 S 21st Street
 Three-story and basement frame and
 stucco apartments 11 2- and 3-
 room apts., garages; composition
 roof.
 Owner—F. A. Pacher, 1467 11th Ave.

July 22, 1931.
 Plans Being Prepared.
APARTMENTS Cost, \$150,000
STOCKTON, San Joaquin Co., Cal.
 N. El Dorado and Acacia Sts.
 Five-story and basement steel frame
 apartments and stores (32 apts.)
 brick exterior walls.
 Owner—Senator Frank S. Boggs.
 Consulting Structural Engineers—
 Couchot & Rosenwald, 525 Market
 St., San Francisco.

Structural Steel Contract Awarded.
APARTMENTS Cost, \$250,000
SAN FRANCISCO, Corner Fillmore
 St. and Pacific Ave.

Six-story and basement reinforced con-
 crete apartment house (two-story
 basement for garages, steam heat,
 oil burner, electric refrigeration,
 incinerator, etc.; 60 2- and 3-room
 apts. All modern equipment and
 finishing).

Owner—Marian Realty Co., 110 Sutter
 St., San Francisco.

Architect—H. C. Baumann, 251 Kear-
 ny St., San Francisco.
Structural Steel—McClintic-Marshall,
 2050 Bryant St., San Francisco.
 Other awards will be made shortly.

Contract Awarded—Sub-Bids Being
 Taken.

APARTMENTS Cont. price, \$10,095
SAN MATEO, San Mateo Co., Cal.
 Two-story frame apartment and store
 building.

Owner—Martin Stelling, 155 Montgom-
 ery St., San Francisco.
 Architect—Betz, Winter and Maury,
 210 Post St., San Francisco.
 Contractor—G. P. W. Jensen, 320 Mar-
 ket St., San Francisco.

Correction In Location.
APARTMENTS Cost, \$250,000
OAKLAND, Alameda Co., Calif. 365
 Perry Street.
 Nine-story class A reinforced concrete
 apartments and stores (56 2- and 3-

room apts.; 1 5-room apt.; vac-
 uum steam heating).
 Owner—L. J. Newton, 1130 First Ave.,
 Oakland.

Plans by Thomas Keenan, 1440 Broad-
 way, Oakland.

Owner is taking general bids from a
 selected list of contractors.

Construction Postponed Indefinitely.
APTS & STORE Cost, \$20,800
SAN FRANCISCO, NE Monterey
 Blvd. and Forester St.

Two- and three-story and basement
 frame and stucco apartment and
 store building (four 4-room apts.
 and one store; gravel roof, arcola
 heating system, hardwood floors,
 tile baths and kitchen).
 Owner—L. Ferrero, 165 Brighton Ave.,
 San Francisco.

Architect—J. A. Porporato, 619 Wash-
 ington St., San Francisco.

BONDS

DUNNIGAN, Yolo Co., Cal.—Elec-
 tion will be held Aug. 10 in the North
 Grafton School District to vote bonds
 of \$9,000 to finance the purchase of a
 site and the erection of a new school.
 Trustees of the district are: J. E.
 Smith (clerk), Fred McCullough and
 Claf Olsen.

SALINAS, Monterey Co., Cal.—
 Spring School District defeats pro-
 posal to issue bonds of \$30,000 to
 finance erection of a new school.
 Trustees of the district contemplate
 levying a direct tax to finance the
 structure. Plans will be prepared by
 Architect Chas. E. Butner, Glikbarg
 Bldg., Salinas.

SALINAS, Monterey Co., Cal.—Sal-
 inas City School District defeats pro-
 posal to issue bonds of \$80,000 to
 finance additions and alterations to
 standing school buildings. Trustees
 of the district contemplate raising
 funds to finance the work by direct
 tax. Plans will be prepared by Chas.
 E. Butner, architect, Glikbarg Bldg.,
 Salinas.

FRESNO, Fresno Co., Calif.—Until
 July 23, bids will be received by cou-
 nty supervisors for the purchase of
 the \$18,000 bond issue of the Laton
 Joint School District in Fresno Coun-
 ty and Kings County. Proceeds of the

sale to finance erection of a new
 school.

CHURCHES

Concrete Bids Wanted.
BUILDING Cost, \$15,000
OAKLAND, Alameda Co., Cal. Lake-
 shore and Mandana Blvds.

Two-story and basement frame and
 stucco building (tile roof, kitchen,
 hot air heating, oil burner).
 Owner—First Presbyterian Church,
 26th St. and Broadway, Oakland.
 Architect—Hardman & Russ, Berk-
 eley Bank Bldg., Berkeley.
 Contractor—A. Cedarborg, 1455 Ex-
 celisior Ave., Fruitvale.

Contract Awarded.
CHURCH Cost, \$15,000
SACRAMENTO, Sacramento Co., Cal.
 No. 1530 Fifth St.

One-story frame and stucco church.
 Owner—Northern California Baptist
 Convention, 228 McAllister St., San
 Francisco.

Architect—Ivan Satterlee, 3159 Ninth
 St., Sacramento.

Contractor—Earle Sims, 1520 5th St.,
 Sacramento.

Preliminary Plans Approved.
CHAPEL Cost, \$100,000
SAN RAFAEL, Marin Co., Cal. Grand
 Avenue and Locust Street.
 College chapel.

Owner—Dominican College, San Ra-
 fael.

Architect—Arnold Constable, 580 Mar-
 ket St., San Francisco.

Structural Engineer—K. Theill, 5 80
 Market St., San Francisco.

Mechanical Engineer—Coddington Co.,
 222 Kearny St., San Francisco.

Working drawings will be started
 within a few days.

The building will be designed in the
 early perpendicular Gothic style of the
 14th century. The exterior will be of
 natural stone with a slate roof. The
 chapel will have accommodations for
 500 students on the main floor while
 in the gallery over the main entrance
 vestibule there will be additional ac-
 commodation for 100 students. The
 sister's choir is provided in the south
 transept.

Plans Being Figured—Bids Close Au-
 gust 7, 7:30 P. M.

CHURCH Cost, \$40,000
CHICO, Butte Co., Cal.

Two-story brick church building.
 Owner—Bidwell Memorial Church,
 (Rev. R. C. LePorte, Pastor).

Architect—Chas. F. Dean, California
 State Life Bldg., Sacramento.

The structure will be erected on the
 site of the old Presbyterian Church
 which was recently destroyed by fire.
 A portion of the old church building
 will probably be used in the erection
 of the new structure.

FACTORIES AND WARE- HOUSES

Contract Awarded.
ALTERATIONS Cost, \$5000

SAN FRANCISCO, 330 Tenth St.

Alterations to warehouse.
 Owner—A. B. Drusick, 330 10th St.

Plans by Owner.
 Contractor—Barrett & Hulp, 918 Har-
 rison Street.

SKILSAW Portable Electric Hand
 Saws (4 models).

SKILSAW Portable Electric Sander

SKILSAW Radial Arm Attach-
 ments.

SYNTRON Portable Electric Ham-
 mers (4 models, motor-
 less).

MALL Flexible Shaft Machines (50
 models).

Electric Drills, Grinders, Buffers,
 Routers, Lock Mortisers.

PETER H. NELSON

Labor Saving Portable Electric
 Tools.

1248 Mission St. Underhill
 San Francisco 7662

SALES . SERVICE . RENTALS

Contract Awarded.
LAUNDRY Cost, \$62,000
SAN FRANCISCO. Adjoining 201 15th Street.
Two-story and basement reinforced concrete laundry.
Owner—Galland Mercantile Laundry, 201 Eighth St., San Francisco.
Architect—Hyman & Appleton, 68 Post St., San Francisco.
Structural Engineers—Edison & Russell, Pacific Bldg., San Francisco.
Contractor—J. H. Hannan, 251 Kearny St., San Francisco.
Construction will start July 25.

Planned.
MILK PLANT Cost, \$—
TRACY, San Joaquin Co., Cal.
Modern milk plant (18,000 cans per day capacity).
Owner—Dairymaid Products, Inc., Sub-ediary of Safeway-McMarr Stores, 6725 E-14th St., Oakland.
Architect—Not Selected.
Richard S. Peterson, 6725 E-14th St., Oakland, is in charge of proposed work.

Preparing Plans.
NEWSPAPER BLDG. Cost, \$—
POMONA, Los Angeles Co., Cal. 3rd and Thomas Streets.
Three-story and basement class A reinforced concrete newspaper building (119x120-ft.; tile and composition roof).
Owner—Pomona Progress-Bulletin.
Architect—Lincoln Rogers, 2412 W 7th St., Los Angeles.
One freight, 1 passenger elevator, steel sash, stone trim.

Sub-Contracts Awarded.
WAREHOUSE Cont. Price \$167,773
OAKLAND, Alameda Co., Cal. Outer Harbor Terminal.
Superstructure for two-story reinforced concrete warehouse ("C"; 210x250 feet).
Owner—City of Oakland Port Commission (G. B. Hegardt, Secretary) 424 Oakland Bank Bldg., Oakland.
Plans by Eng. Dept. of Owner.
Contractor—Schuler & McDonald, 1723 Webster St., Oakland.
Ready Mixed Concrete—Quality Concrete Co., Oakland.
Hollow Tile Masonry Work—A. Halbert, 2500 66th Ave., Oakland.
Reinforcing Steel—Soule Steel Co., Rialto Bldg., San Francisco.
Lumber—Sunset Lumber Co., 400 High St., Oakland.
Plumbing—Scott Co., 113 10th St., Oakland.
Steel and Miscellaneous Iron Work—Judson-Pacific Co., 26 Park Ave., Oakland.
Glass—W. P. Fuller & Co., 259 10th St., Oakland.
Metal Forms—Des Lauriers Metal Products Co., 1730 25th Ave., Oakland.
Plastering—J. H. Witt, 882 56th St., Oakland.
Steel Windows—Detroit Steel Products Co., Sixty-third and Doyle Sts., Oakland.
Bronze Plate—Arthur H. Meyn Co., 161 2nd St., San Francisco.
Sheet Metal Work—Christiansen & Grutsch, 4279 Piedmont Ave., Oakland.
Cement Finishing—H. Foster, Oakland.
Miscellaneous—Maxwell Hardware Co., 1320 Washington St., Oakland, and Baker, Hamilton Pacific Co., 3rd and Market Sts., Oakland.
Other awards will be made shortly.

Plans To Be Prepared.
FACTORY Cost, \$1,000,000-\$1,500,000
ALAMEDA, Alameda Co., Cal. Fernside and Versailles Avenues.
Factory building.
Owner—Owens-Illinois Glass Co., (W. I. Cole, Mgr.) 133 Kearny Street, San Francisco.
Architect—Not Selected.

Engineer—H. Barford, chief engineer for Owens-Illinois Glass Co., Toledo, Ohio.
Despite reports to the contrary, the Owens-Illinois Glass Co. advises Daily Pacific Builder that it has not yet been decided whether Albert Kahn, Inc., of Detroit, Mich., will be selected as architects for the project or whether construction will be handled by an engineering and construction company who will do their own architectural work. Several propositions have been submitted to the Owens-Illinois Co. by Kahn, Inc., as have other concerns, but it will probably be two or three weeks before final decision is made in the matter.

Plastering Contract Awarded.
ADDITION Cost, \$20,000
SAN FRANCISCO. 383 Brannan St.
Two-story steel frame and brick addition to warehouse.
Owner—San Francisco Warehouse, 625 Third Street.
Engineer—Edison and Russell, Pacific Building.
Contractor—Barritt & Hilp, 918 Harrison Street.
Plastering—M. King, 62 Third St.
Other awards prev. reported.

CHULA VISTA, San Diego Co., Cal.
—Pan-American Metals Syndicate has been granted a 50-year lease on municipal tidelands where it will erect a wire mill. First unit will be 70x100 feet in area, and will have daily capacity of 20 tons. At a later date the channel in front of the property will be dredged and a turning basin built. Ultimate capacity of mill will be 1000 tons daily.

Sub Contracts Awarded.
LAUNDRY Cost, \$40,000
SAN FRANCISCO. Heron St. east of Eighth Street.
Three-story reinforced concrete Class B laundry.
Owner—Amalgamated Laundry Co., 385 8th St., San Francisco.
Architect—Heyman & Appleton, 68 Post St., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Plumbing—C. Bergstrom, 3225 24th Avenue.
Electric—W. B. Baker, 270 Sixth St.
Mis. Iron—Post Fence Co., 400 Fifth Street.
Lumber—Loop Lumber Co., Central Basin.
Readymix Concrete—Bode Gravel Co., 235 Alabama Street.
As previously reported:
Steel Sash—Detroit Steel Products, 111 Sutter St., San Francisco.

Sub-Contracts Awarded.
SACKING PLANT Cost, \$15,000
SHELL POINT, Contra Costa Co., Cal.
One-story steel frame sacking plant.
Owner—Shell Oil Co., Shell Bldg., San Francisco.
Plans by Eng. Dept. of Owner.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Steel Sash—Detroit Steel Products Co.
Hunter-Dulin Bldg. San Francisco
Millwork—J. A. Hart Mill & Lumber Co., Jerrold and Napoleon Streets, San Francisco.
Glass—W. P. Fuller Co., 301 Mission St., San Francisco.
Hardware—E. M. Hambley, 662 Mission St., San Francisco.
As previously reported, structural steel awarded to California Steel Co., Hobart Bldg., San Francisco.
A. T. Cole, Shell Point, is in charge of construction.

To Be Done By Dens' Work By Owner
STORE & CANNERY Cost, \$10,000
SAN FRANCISCO. NW Fifth and San Bruno Avenue.
Two-story class C reinforced concrete

store and cannery that had gravel roof, steam heat, gas fired boilers.
Owner—Mazda Packing Co., 293 Howard Street.
Architect—P. F. DeMartini, 948 Broadway.
Construction will be started July 27th and owner will take sub bids at that time.

FLATS

Contract Re-Awarded.
FLATS Cost, \$12,000
SAN FRANCISCO. NE Corner Colingwood and 21st Sts.
Two-story and basement frame and stucco flats (one 6-room and one five-room flats; composition roof, hardwood floors, tile bath, gas hot air heat).
Owner and Builder—Mr. and Mrs. J. R. Jackson, 441 Jones St.
Architect—R. R. Irvine, Cal Bldg.
Contractor—H. O. Lindemann, 619 27th Avenue.
Previously reported as being awarded to Theo. H. Johannes.

GOVERNMENT WORK AND SUPPLIES

SAN FRANCISCO—Until August 11, 11 A. M., under Circular No. W-66-32-4, bids will be received by Constructing Quartermaster, Fort Mason, to furnish:
 (a) 26 domestic gas ranges; cabinet type;
 (b) 36 automatic storage gas water heaters.
To be delivered Presidio of San Francisco. Further information obtainable from above.

SAN FRANCISCO—Until August 13 11 A. M., bids will be received by the Constructing Quartermaster, Ft. Mason, to extend water mains in connection with the new non-commissioned officers' quarters at the Presidio. Specifications obtainable from above.

WASHINGTON, D. C. — Bids are being received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish materials and equipment to Pacific Coast navy yards and stations, as follows. Further information on the Schedules listed being obtainable from the Navy Purchasing Office, 100 Harrison St., San Francisco:

Bids Open Aug. 4
Mare Island, 128 Crucibles; sch. 6177
Mare Island, 400 water gauge glasses; sch. 6182.
Western yards, copper-nickel-alloy, sheet, bar and shot; sch. 6173.
Western yards, brass bronze and copper; sch. 6174.
Mare Island, 6 portable electric refrigerators; sch. 6188.
Puget Sound, 68 wood arm chairs; sch. 6973.

Bids Open Aug. 11
Western yards, tank; sch. 6162.

MARCH FIELD, Riverside Co., Cal. — Aqua Systems, Inc., Washington Bldg., Los Angeles, submitted the only bid of \$22,970 on item No. 1 to the constructing quartermaster at March Field on July 20 for the installation of a gasoline fueling system at March Field. Associated Piping & Engineering Co., Los Angeles, submitted the only bid of \$25,839 on item No. 2. Work will include storage tanks, pumping equipment, lines and pit fueling boxes.

SAN FRANCISCO—Bids are being received by Constructing Quartermaster, Fort Mason, for concrete sidewalks and steps at Post Chapel, Presidio.

To Ask Bids Shortly.**INFIRMARY** Cost, \$—

BOISE, Idaho.

Two-story brick infirmary.

Owner—United States Government.

Plans by Supt. of Construction, Veterans' Hospital, Palo Alto.

Bids will be taken in about two weeks by Supt. of Construction at Palo Alto.

Contract Awarded.**ELEVATOR** Cont. Price, \$4645

SAN FRANCISCO. The Presidio.

Install one full automatic push button control, electric passenger elevator in Ward Building G-2 at Letterman General Hospital.

Owner—United States Government.

Plans by Constructing Quartermaster, Fort Mason.

Contractor—Spencer Elevator Co., 166 Seventh St., San Francisco.

Bids Opened.**POST OFFICE** Cost, \$—

LAS VEGAS, Nevada.

Two-story and basement class A post office (terra cotta facing).

Owner—United States Government.

Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Three low bidders follow:

Murch Bros. Co., 611 Olive St.

St. Louis, Mo., \$247,000

James I. Barnes, Logansport,

Indiana, 258,000

Concord Const. Co., Philadel-

phia, Pa., 265,450

Complete list of bids received on this project will be published shortly.

FORT LEWIS, Wash.—Until Aug. 7.

10 A. M., new bids will be received by

Signal Officer, Headquarters, Ninth

Corps Area, Presidio, San Francisco,

for construction of complete under-

ground and aerial telephone cable dis-

tribution system and installation of

one 400-prs., 22-gauge underground

and aerial cable, with laterals and

terminals at Fort Lewis. Bids pre-

viously received for this work and re-

jected, were:

H. C. Moss, Seattle, \$13,750

M. C. Murphy, Cleveland, O., 13,900

E. M. Gilleran, San Francisco, 13,900

O. G. Ritchie, San Jose, 14,687

G. M. Gest, San Francisco, 14,750

Tring Bros., Salt Lake City, 15,223

NePage-McKenny, Seattle, 16,525

City Electric and Fixture Co.,

Seattle, 18,150

Plans obtainable from Signal Officer,

9th Corps Area, Presidio, San Fran-

cisco.

Prospective Bidders.**FLOORING** Cost, \$—

SAN FRANCISCO. Fort Scott.

New flooring in Barracks No. 2 (sec-

ond story).

Owner—United States Government.

Plans by Constructing Quartermaster,

Fort Mason.

Following is a partial list of contrac-

tors:

Fred D. Turner, 222 Anita Road,

Burlingame.

E. G. Hart, 666 Mission St.

Gauley & Yount, 299 22nd Ave.

Frank J. Reilly, 666 Mission St.

T. B. Goodwin, 2950 Divisadero St.

P. F. Speidel, 666 Mission St.

I. M. Sommer Co., 901 Bryant St.

Wm. Martin, 666 Mission St.

P. M. Gillett, 1851 Union St.

Clancy Bros., 162 Duncan St.

John Bjorkman, 3685 Cabrillo St.

Bids are to be opened July 28, 11

A. M.

Prospective Bidders.**REMODELING** Cost, \$—

SAN FRANCISCO. Presidio.

Remodel Wards B-1 and L-1 Bldgs.

Nos. 3 and 17 at Letterman General

Hospital (brick construction,

new hardware, linoleum floors,

plumbing, nurses' call system, ra-

dio system, considerable tile work)

Owner—United States Government.

Plans by Constructing Quartermaster,

Fort Mason.

Following contractors have secured

plans:

E. W. Snook, 596 Clay St.

E. T. Leiter & Sons, 666 Mission St.

Thos. Johansson, 748 14th St.

William Martin, 666 Mission St.

J. S. Hannah, 268 Market St.

John Bjorkman, 3685 Cabrillo St.

F. Turner, 212 Anita Road, Burlin-

game.

P. F. Speidel, 666 Mission St.

H. L. Petersen, 732 Treat Ave.

I. M. Sommer Co., 901 Bryant St.

Bids are to be opened July 25 at 11

A. M.

Site Selected—Plans Being Prepared.**POST OFFICE** Cost, \$450,000

RENO, Washoe Co., Nevada. No. 21

Mill Street.

Three-story Class A post office.

Owner—United States Government.

Architect—F. J. DeLongchamps, Ga-

zette Bldg., Reno.

Plans Being Figured—Bids Close July

29, 11 A. M.

PARTITIONS, ETC. Cost, \$—

SAN FRANCISCO. Yerba Buena Is-

land, San Francisco Bay.

Construct wood and glass inclosure at

Receiving Ship Station (Spec. No.

6633).

Owner—United States Government.

Plans by Public Works Officer, 12th

Naval District, 100 Harrison St.

Bids will be received by the Public

Works Officer at 100 Harrison Street,

San Francisco. Specifications obtain-

able from above office on deposit of

\$10, returnable, checks for same to

be made payable to the Chief of the

Bureau of Yards and Docks.

Contract Awarded.**HOSPITAL** Cost, \$35,000

BOULDER CITY, Nevada.

Frame and stucco hospital (tile roof,

20-bed capacity).

Owner—Six Companies, Inc.

Architect—Not Given.

Contractor—Louis J. Bowers, Boulder

City, Nev.

The Six Companies will do the ex-

cavating and furnish all plumbing ma-

terials, hardware and hospital equip-

ment.

GLENDALE, Los Angeles Co., Cal.

—Architect George M. Lindsey, 609

Union Insurance Bldg., Los Angeles,

has been appointed by the Treasury

Department to prepare plans for the

new U. S. post office building to be

erected at Glendale. A site on the

north side of East Broadway between

Kenwood and Louise, has been select-

ed on which to build the structure. It

will be a steel frame and masonry

structure, costing approximately \$350-

000. An appropriation was made dur-

ing the last session of Congress, pro-

viding \$455,000 for the purchase of the

site and the erection of the building.

Contract Awarded.**PRISON** Cost, \$305,900

ANTHONY, New Mexico.

Reinforced concrete Federal Prison.

Owner—U. S. Government.

Architect—Trost & Trost, El Paso,

Texas.

Contractor—Robt. E. McKee, El Paso,

Texas, and Central Bldg., Los An-

geles.

Plans Being Figured—Bids Close Aug.

7, 2 P. M.

HEATING Cost, \$—

BOULDER CITY, Nevada. About 25

miles SE of Las Vegas, Nev.

Air conditioning and heating system

for Administration Building (Spec.

No. 529-D).

Owner—United States Government.

Plans by U. S. Bureau of Reclama-

tion, Wilda Bldg., Denver, Colo.

Contractor will be required to fur-

nish and completely install all equip-

ment. Bids will be opened by the U. S.

Reclamation Service at Denver.

Bids Opened.**REMODELING** Cost, \$—

LIVERMORE Alameda Co., Cal.

Remodel messroom and kitchen, build

debris porch.

Owner—U. S. Government (Veterans'

Bureau, Washington, D. C.)

Plans by Construction Supervisor, U.

S. Veterans' Hospital, Palo Alto.

(1) general construction.

(2) refrigeration unit.

(3) add for providing tile walls and

floors in cold storage room.

(4) deduct for omitting concrete

floors and plaster walls.

Niles W. Place, 310 Fairmount Ave.,

Oakland, (1) \$13,600, (3) \$1,300.

David Nordstrom, Oakland, (1) \$14,-

932 (3) \$1,350.

Blitrite Construction Co., Berkeley,

(1) \$15,687 (3) \$1,100.

Kohlenberger Engineering Co., Full-

erton, Calif., (2) \$6,557 (4) \$289.

York Ice Machinery Co., S. F., (2)

\$6,999 (4) \$243.

Baker Ice Machine Co., S. F. (2) \$8,-

726 (4) \$230.

Bids referred to Washington for

award.

Low Bidder.**OFFICES** Cost, \$—

SEATTLE, Washington.

Superstructure, except elevators, for

Federal office building.

Owner—United States Government.

Plans by Supervising Architect,

Treasury Dept., Washington, D. C.

Low Bidder (General Contract)—

Murch Bros. Co., 611 Olive Street,

St. Louis, Mo., \$1,339,000 sand-

stone; \$1,376,900 terra cotta.

Elevators—Olis Elevator Co., Wash-

ington, D. C., \$120,729.

Complete list of bids received on

this project will be published shortly.

Plans Being Figured—Bids Close Aug.

13, 2:30 P. M.

CHIMNEY Cost, \$—

SALT LAKE CITY, Utah.

Erect radial brick chimney at U. S.

Veterans' Hospital.

Owner—United States Government.

Plans by Construction Division, U. S.

Veterans' Bureau, Arlington Bldg.,

Washington, D. C.

Plans are obtainable from the U. S.

Veterans' Bureau at Washington, D.

C.

BROWNSVILLE, Texas—Until 3

P. M., August 14, bids will be received

by the Treasury Department, Office

of the Supervising Architect, Wash-

ington, D. C., for the construction

(except elevator) of the U. S. post of-

fice at Brownsville, Tex. Appropria-

tion for the building is \$430,000. Plans

may be obtained from the architect

upon deposit of \$15.

HALLS AND SOCIETY BUILDINGS**Contract Awarded.****ADDITION** Cost, \$1979

CARMEL, Monterey Co., Calif.

Addition to Club.

Owner—Manzanita Club, Carmel.

Architect—Guy Koepp, McDougall

Bldg., Salinas.

Contractor—M. J. Murphy, Inc., Car-

mel.

Contract Awarded.**MEMORIAL** Cont. Price, \$16,750

FORT BRAGG, Mendocino Co., Cal.

One-story concrete veterans' memorial

building (concrete walls, terra

cotta tile roof, maple floors, fur-

nace heat).

Owner—County of Mendocino.
 Architect — P. L. Dragon, Mercantile
 Bldg., Berkeley.
 Contractor — E. A. Holmes and F. W.
 Nelson, Fort Bragg.

Bids Opened.
MEMORIAL BLDG. Cost, \$60,000
GRASS VALLEY, Nevada Co., Calif.
 South Auburn Street.

One- and two-story reinforced con-
 crete veterans' memorial bldg.
 Owner—Hague-Thomas-Hegarty Post,
 Ltd., American Legion (Loyle C.
 Freeman, secretary).
 Architect—Wm. E. Coffman, Forum
 Bldg., Sacramento.

- (1) Excavating and Concrete Work.
- (2) Cement.
- (3) Concrete Aggregates.
- (4) Concrete Form Work.
- (5) Reinforcing Steel Work.
- (6) Brick Work.
- (7) Structural Steel Work.
- (8) Rough and Finish Carpentry
 Work (rough hardware).
- (9) Mill Work.
- (10) Metal Sash.
- (11) Finish Hardware.
- (12) Ornamental Iron.
- (13) Hardwood Floor Work.
- (14) Celotex Work.
- (15) Linoleum.
- (16) Glass and Glazing Work.
- (17) Marble and Tile Work.
- (18) Lath Work.
- (19) Plastering Work.
- (20) Plain Painting Work.
- (21) Decorative Paint Work.
- (22) Roofing Work.
- (23) Sheet Metal Work.
- (24) Plumbing Work.
- (25) Heating Work.
- (26) Electrical Work.

Following is a complete list of bids:
 Frank Cress, Oakland (1) \$500 (2)
 \$12,940 (3) \$9600 (9) \$2975.
 J. P. Morton, Placerville (1, 4 and 8)
 \$20,560.

Burton & Reed, Sacramento (1, 4, 5,
 8, 13, 14) \$21,998.
 Diamond Match Co. (2) \$.715 per
 sack f.o.b. job; \$.7020 f.o.b. car Grass
 Valley.

Grass Valley Hardware Co., Grass
 Valley, \$.73 per sack f.o.b. job.
 J. C. Scheeman, Nevada City, \$.7425
 f.o.b. Grass Valley.

Alpha Hardware Co., Grass Valley,
 \$.06 per barrel f.o.b. job; \$.28 per
 barrel, f.o.b. car.

Proposition No. 3
 U. M. Lotz, Nevada City \$.70 per yd.
 yd. city crushed; \$.70 per yd. county
 crushed.

F. J. Donnelly, Grass Valley (river
 gravel) \$.25 per yd.; (pea gravel) \$.71
 per yd.; (mill sand) \$.75 per yd.;
 (green river sand) \$.40 per yd.

Proposition No. 5
 Geo. P. Smith, Sacramento.....\$2,035
 Truscon Steel Co., S. F.....2,147
 W. S. Wetenhall, S. F.....2,315
 Soule Steel Co., S. F.....2,411

Proposition No. 7
 Herrick Iron Works, Oakland.....\$3,643
 Schrader Iron Works, S. F.....3,910
 Allis Iron Works, Sacto.....3,970
 Mortensen Con. Co., S. F.....3,980
 Golden Gate Iron Works, S. F.....3,999
 Independent Iron W'ks, Oakland 4,344
 Palm Iron & Bridge Co., Sacto.....4,445

Proposition No. 9
 Diamond Match Co., Chico.....\$2,400
 L. & E. Marsh, Nevada City.....2,579
 Burnett & Son, Sacramento.....2,643

Proposition No. 10
 Geo. C. Smith, Sacramento.....\$495
 Soule Steel Co., San Francisco.....625
 Alpha Hdwe. & Supply Co., Grass
 Valley.....559
 Palm Iron Works, Sacramento.....669
 Diamond Match Co., Chico.....675
 Truscon Steel Co., S. F.....680

Proposition No. 11
 Alpha Hardware & Sup. Co., Grass
 Valley.....\$385
 Diamond Match Co., Chico.....407

Proposition No. 12
 Allis Iron Works, Sacramento.....\$700

American Iron & Bridge Co., Oak-
 land.....500
 Fair Mfg. Co., San Francisco.....372
 Palm Iron & Bridge Co., Sacto.....346
 Pacific Iron Co., Oakland.....360

Proposition No. 16
 Geo. C. Smith, Sacramento.....\$499
 W. P. Fuller Co., San Francisco.....415

Proposition No. 17
 H. P. Flesher, Sacramento.....\$365

Proposition No. 18
 (Including lath, plaster, cast cement
 moldings)
 T. F. Seollan, Sacramento.....\$8,212
 P. H. Donnelly, Oakland.....500

Proposition No. 20
 Willenox & Wilson, Sacto.....\$2,343
 Chester King, Grass Valley.....2,335

Proposition No. 21
 Chas. F. King, Grass Valley.....\$267

Proposition No. 22
 San Joaquin Lbr. Co., Stockton.....\$ 957
 L. & E. Marsh Co., Nevada City..... 997

Alpha Hardware & Supply Co.,
 Grass Valley.....1,023
 Robertson Roofing Co., Sacto.....1,030

F. J. Jordan, Roseville.....1,131

Proposition No. 23
 Frank Ahl, Sacramento.....\$1,692
 Allison Sheet Metal Works, Au-
 burn.....1,145

Proposition No. 24
 C. E. Eldredge, Grass Valley.....\$2,194
 Scott Plbg. & Elec. Co., Sacto.....2,359
 Grass Valley Hdwe. Co., Grass
 Valley.....2,699

Proposition No. 25
 Alpha Hardware Co., Grass Val-
 ley.....\$2,840
 Grass Valley Hdwe. Co., Grass
 Valley.....3,445

Frank Ahl, Sacramento.....4,426

Proposition No. 26
 Leland Painter, Grass Valley.....\$2,825
 Foote Elec. & Specialty Co.,
 Grass Valley.....3,095

M. P. Cannon, Sacramento.....3,890

No bids were received on proposi-
 tions not mentioned.

Bids held under advisement.

Plans To Be Prepared.
LODGE BLDG. Cost, \$—
STOCKTON, San Joaquin Co., Calif.
 Old Masonic Auditorium Site.

Fireproof lode building.
 Owner—Amblers' Club and Stockton
 Chamber of Commerce.

Architect Not Yet Selected.

This project is yet in a preliminary
 stage, according to Sidney Bierly,
 president of the Amblers' Club. It is
 proposed to erect a building housing
 clubrooms on the ground floor and of-
 fices on the upper floor. C. G. Bird is
 chairman of the Building Committee
 of the Chamber of Commerce, repre-
 senting that body in the negotiations.

To Ask Bids In About Thirty Days.
MEMORIAL BLDG. Cost, \$60,000
ALBANY, Alameda Co., Cal.
 American Legion Memorial Building
 ((2-story reinforced concrete bldg.,
 Spanish type, tile roof, ornamental
 iron, gas heating).
 Owner—County of Alameda, George
 E. Gross, county clerk.

Architect—H. H. Meyers, Kohl Bldg.,
 San Francisco.

Electric & Lumber Contracts Awarded
ALTERATIONS Cost, \$20,000
SALINAS, Monterey Co., Cal.
 Extensive alterations and additions to
 two-story brick and wood frame
 club building.

Owner—Knights of Pythias.
 Architect—Koepp & Campbell, Mc-
 Dougal Bldg., Salinas.

Contractor—H. H. Larsen Co., 64
 South Park, San Francisco.

Electric—Rodeo Electric Co., Salinas.
Lumber—Salinas Lumber Co., Salinas.
 Other awards will be made shortly.

Cost Not Awarded
ALTERATIONS Cost, \$4000
OAKLAND, Alameda Co., Cal. Clares-
 mont County Club.
 Alterations and additions to Caddy
 House.

Owner—Claremont Country Club.
 Architect—J. J. Immanuel, Tappanett
 Bldg., Sacramento.

Contractor—Beckett and Wright, 624
 Seaside Ave., Piedmont.

HOSPITALS

Preparing Working Drawings
HOSPITAL Cost, \$—
AUBURN, Placer Co., Cal.

Class A reinforced concrete and steel
 fireproof hospital.

Owner—County of Placer.
 Architect—W. E. Coffman, Forum
 Bldg., Sacramento.

Bids will be taken in about 3 weeks.

Sub-Contracts Awarded.
HOME Cost approx. \$175,000
SAN FRANCISCO, University and
Cambridge Streets.

Two- and three-story reinforced con-
 crete and brick Home for Aged.

Owner—University Mound Old Ladies'
 Home.

Architect—Alfred Coffey and Martin
 Rist, Phelan Bldg.

Contractor—J. E. Scully, Phelan Bldg.

Grading—P. Montague, 666 Mission St.

**Reinforcing Bars, Steel Pans and Con-
 crete—Mission Concrete Co., 270**
Turk Street.

Other awards will be made shortly.

Contracts Awarded.
HOSPITAL UNIT Cost, \$118,351
FRESNO, Fresno Co., Calif.

Crippled Children's and Surgery Bldg.
 for County Hospital.

Owner—Fresno County, D. M. Barn-
 well, county clerk.

Architect—Swartz and Ryland, Brix
 Bldg., Fresno.

General Work—W. J. Ochs, American
 Trust Co. Bldg., San Jose, \$36,226.

Brick Work—John M. Brown, Clinton
 St., Fresno, \$8480.

Plumbing—Barrett-Hicks Co., 1031
Broadway, Fresno, \$14,162.

Heating & Ventilating—Barrett-Hicks
Co., 1031 Broadway, Fresno, \$9982.

Electrical Work—Electric Const. Co.,
Fresno, \$12,866.

Terra Cotta Tile Roofing—D. H. Coff-
man, 1845 Thorne, Fresno, \$2195.

Lathing and Plastering—Wm. G. and
A. Gilmour, 666 Mission St., San
Francisco, \$8220.

Millwork—Fresno Planing Mill Co., H
and Monterey Sts., Fresno, \$7874.

Floor Covering—Slater Furniture Co.,
2300 Tulare St., Fresno, \$2758.

Elevators—Otis Elevator Co., 1 Beach
St., San Francisco, \$6990.

Tile Floors and Wainscoting—Fresno
Marble & Tile Co., 1511 O Street,
Fresno, \$4975.

Painting—D. Zelinsky, 165 Grove St.,
San Francisco, \$4615.

Total, \$118,351.

Preparing Plans.
BUILDING Cost, \$75,000
SPALDIA, Los Angeles Co., Cal.
 (Pacific Colony).

Reinforced concrete building, (hollow
 the partitions, wood floor and roof
 construction and tile roofing).

Owner—State of California.
 Architect—Walker & Eisen, Western
 Pacific Bldg., Los Angeles.

Plans will be completed about Au-
 gust 10, after which bids will be taken
 by State Architect George B. Mc-
 Dougal.

Plans To Be Prepared.
CLINIC Cost, \$50,000
SANTA CRUZ, Santa Cruz Co., Cal.
 Water and Harrison Sts. and Mor-
 risey Avenue.

Unexpended medical clinic.
OWNER—Dr. A. F. Hargrave et al., Uni-
versity of California, Berkeley.
Architect—Not selected.
Real Estate Agent—Cantfield & Son,
Santa Cruz.
More information will be given at a
later date.

Sub-Contracts Awarded.
REMODELING—Cont. price, \$1,862
RENO, Washoe Co., Nevada.
Remodeling Nevada State Insane Asy-
lum.
OWNER—State of Nevada.
Architect—Geo. A. Ferris & Son, Cla-
diosinos Bldg., Reno.
Contractor—Ralph McLean Company,
Hearst Bldg., San Francisco.
Magnesian Flooring—Fibronite and
Roofing Co., 51 Ringold St., San
Francisco.
Millwork—Robert Mills, Reno.
Plumbing and Heating—Nevada Plbg.
and Heating Co., Reno.
Electric Work—Bailey Electric Co.,
Reno.

Plans Being Prepared.
HOSPITAL Cost, \$65,000
SAN FRANCISCO, Ocean Avenue and
Alemany Blvd.
Two-story class A reinforced concrete
emergency hospital.
OWNER—City and County of San Fran-
cisco.
Architect—Bureau of Architecture,
Chas. Sawyer, chief, City Hall.
Structural Steel Award.
HEALTH CENTER Total cost \$850,000
SAN FRANCISCO, Polk and Grove
Streets.
Structural steel for 4-story and base-
ment reinforced concrete class A
health center, emergency hospital
and office (granite facing).
OWNER—City and County of San Fran-
cisco.
Architect—S. Heiman, 57 Post St.
Structural Engineers—Ellison & Rus-
sell, Pacific Bldg.
Fabrication and Delivery—McClintic-
Marshall Co., 2050 Bryant Street,
\$34,300.
Erection—Herrick Iron Works, 18th
and Campbell Sts., Oakland, \$8,860.
Complete list of bids received on
this project published in issue of July
16th.

Preparing Working Drawings.
ADDITION Cost, \$400,000
LOS ANGELES, Calif. 2301 Bellevue
Avenue.
Ten-story steel frame and reinforced
concrete hospital addition (90 ad-
ditional beds).
OWNER—Queen of Angeles Hospital,
premises.
Architect—Albert C. Martin, Higgins
Bldg., Los Angeles.
Bids will be taken about Sept. 1st.
McClintic-Marshall Co., of California,
821 Pacific Southwest Bldg., has the
contract for fabricating and erecting
650 tons of structural steel which will
enter into the construction of the
wing.

Plans Being Figured—Bids Close Aug.
7, 2 P. M.
WARD BLDGS. Cost, \$15,000
AUBERRY, Fresno Co., Cal.
Construct Wards C and D and altera-
tions and additions to Doctor's
residence at Fresno County Tu-
bercular Sanatorium.
OWNER—County of Fresno, D. M. Barn-
well, County Clerk.
Architect—Charles E. Butner, Cory
Bldg., Fresno.
Bids are wanted for:
(1) General work embracing all
branches of the construction other
than electric, plumbing and heating
work.
(2) Electric work.
(3) Plumbing and Heating.
Certified check 10% payable to

Chairman of the Board of Supervisors
required with bid. Plans obtainable
from the architect.

Sub-Bids Wanted
HOSPITAL Cost, \$140,000
RENO, Nevada East of the present
County Hospital Site.
(Class A county hospital (L-shape).
OWNER—County of Washoe, E. H.
Beemer, county clerk.
Architect—F. J. DeLongchamps, Ga-
zette Bldg., Reno.
The structure will be L-shape and
will have a capacity of about 50 beds.
An issue of \$83,000 in bonds will be
sold by the county and the balance of
the cost will come from the County
Hospital tax levy. Plans are obtain-
able from the architect on deposit of
\$10, returnable.
A. Nelson, 242 Ocean Avenue, San
Francisco, general contractor, desires
sub-bids on above, for which general
contract bids are to be opened July
26, 10 A. M.

HOTELS

Sub-Contracts Awarded.
REMODEL HOTEL Cost, \$30,000
SAN FRANCISCO, Grant Avenue and
California Street.
Remodeling three upper floors of 4-
story building for hotel (55 rooms,
20 baths).
OWNER—S. McVine.
Lessee—Withheld.
Plans by G. G. Shimamoto, 1551 La-
guna St.
Contractor—Peter Sartorio, 2440
Greenwich Street.
Millwork—Chas. Lumber Co., 547 W
Santa Clara, San Jose.
Sheet Metal—Guilford Cornice Works,
1234 Howard St.
Glass—Tyre Bros., 866 Townsend St.
Electric Work—Collonan Electric Co.,
3211 Mission St.
Brick Work—White & Gloor, Monad-
nock Bldg.
Plastering—Louis Boalino, 2569 Green-
wich St.
Iron Work Construction—Mortenson
Co., 608 Indiana St.
(Other awards will be made shortly.
As previously reported, plumbing
contract awarded to Robt. E. Buck-
ley, 1767A Geary St.; heating to Atlas
Heating & Ventilating Co., 557 4th St.

Construction Started.
HOTEL Cost, \$100,000
LAS VEGAS, Nev. Second and Pre-
mont Streets.
Three-story and basement reinforced
concrete hotel (75x150-ft.)

Owner—P. O. Silvagni, Las Vegas.
Architect—A. L. Worwick, Las Vegas.
It will have five store rooms and lobb-
y on the ground floor and 60 guest
rooms on the upper floors; reinforced
concrete construction, steel sash,
composition roofing, ventilating and
cooling system, tiled bathrooms.

POWER PLANTS

MODESTO, Stanislaus Co., Cal.—J.
H. Baxter & Co., San Francisco,
awarded contract by directors of the
Modesto Irrigation District to furnish
and deliver one carload of poles for
power system extensions.
MODESTO, Stanislaus Co., Cal.—
General Cable Co., awarded contract
by directors of the Modesto Irrigation
District to furnish and deliver one
carload of copper wire for use in con-
nection with power system extensions.

BURBANK, Los Angeles Co., Cal.
—Bowie Switch Co., San Francisco,
awarded contract by city council at
\$2785 for furnishing disconnecting
switches for the public service dept.

SAN FRANCISCO—Dundon Iron
Works, 225 Folsom St., at \$989 sub-
mitted lowest bid to State Board of
Harbor Commissioners, for retubing
boilers in the Ferry Building Heating
Plant. Following is complete list of
bids:
Dundon Iron Works \$ 989
Ocean Shore Iron Works1,112
J. P. Monahan Co.1,137
General Eng. & Drydock Co.1,201
Eureka Boiler Works1,234
C. C. Moore Co.1,507
Pacific Coast Boiler Works1,575
Contracts to be awarded July 20th.

UKIAH, Mendocino Co., Cal.—E. M.
Hopper, chief engineer of the Muni-
cipal Electrical Department, will ask
bids at once to furnish and install
electric equipment; estimated cost \$1-
600. Equipment is to be used in new
substation.

SAN FRANCISCO—Dundon Iron
Works, 225 Folsom St., at \$989 award-
ed contract by State Board of Harbor
Commissioners for re-tubing boilers in
the Ferry Bldg. Heating Plant.

OAKLAND, Cal.—Hazard Insulated
Wire Co., Russ Bldg., San Francisco,
at \$1,655.85 submitted lowest bid to
East Bay Municipal Utility District
to construct and furnish f.o.b. 22nd
and Adeline Sts., Oakland, 21,000 ft.

ORNAMENTAL WIRE AND IRON WORK

IRON FENCE AND GATES

TENNIS COURT ENCLOSURES
WIRE SCREENS AND GUARDS

WEST COAST WIRE & IRON WORKS

SAN FRANCISCO, CALIFORNIA

86-863 Howard Street * * * Phone Sutter 1136

Continuous Operation Since 1887

of 4 No. 14 A. W. G. copper conductor, Park or Suburban cable.

Following is a complete list of bids:
Hazard Insulated Wire Co., \$1,655.85
Electric Corp., San Francisco, 2,215.50
General Electric Supply Co.,
San Francisco 2,215.50

Triangle Conduit Co., S. F., 2,704.80
T. L. Rosenberg, Oakland, 2,338.50

..... (1) 2,674.50
General Electric Co., S. F., 2,425.50
Graybar Elec. Co., S. F., 2,486.00
Slate Elec. Co., Oakland, 2,573.00
General Cable Corp., S. F., 2,704.80
..... (1) 2,215.50

J. A. Roebbing & Sons, S. F., 3,886.00
Bids under advisement.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Bids Opened.
LEGION BLDG. Cost, \$2,500,000
SAN FRANCISCO. Civic Center.

Composition roofing and sheet metal
for 4-story and basement concrete
class A Legion Bldg.

OPERA HOUSE Cost, \$2,500,000
Six-story class A opera house, seat-
ing capacity, 4000; standing room,
500.

Owner—City and County of San Fran-
cisco (S. F. War Memorial).

Architect—G. A. Lansburgh, 140 Mont-
gomery St., and Arthur Brown, 251
Kearny Street.

Mrgs. of Const.—Lindgren & Swiner-
ton, Inc., 225 Bush St.

Following is a complete list of bids:
Composition Roofing
(a) Opera House (b) Veterans' Mem-
orial.

Alta Roofing Co., 976 Indiana St. (a)
\$2525 (b) \$2727; \$3,888 if Johns-Man-
ville Asbestos Roofing is used.
James W. Bender (a) \$2538 (b) \$2,-
819.

Malott & Peterson (a) \$2727 (b) \$2,-
727.

Sheet Metal

(a) Opera House (b) Veterans' Mem-
orial (c) deduct from Prop. A (d)
deduct from Prop. B (e) deduct from
Prop. A for flat portion (f) deduct
from Prop. B for flat portion (g) al-
lowance per pound base for copper
furnished by owner.

Guilfoyle Corning Works, 1234 Howard
St. (a) \$41,120 (b) \$33,690 (c) \$250 (d)
\$250 (e) \$5926 (f) \$1499 (g) \$1425.

Edgar W. Anderson Co., Oakland
(a) \$45,965 (e) \$6194.

Capital Art Metal Co. (a) \$53,500
(e) \$5100 (g) \$15.

Forderer Corning Co. (a) \$61,767 (b)
\$49,944 (c) \$1576 (d) \$1455 (e) \$9455
(f) \$7848 (g) \$1775.

Bids under advisement.

Plans Being Figured—Bids Close Aug.
10th, 10 A. M.

ADAMS ON Cost, \$—
JACKSON, Amador Co., Calif.

Addition to county courthouse.

Owner—County of Amador, Leotta
Huberty, county clerk, Jackson.

Architect—Not Given.

Plans are obtainable from the coun-
ty clerk at Jackson.

BEVERLY HILLS, Los Angeles Co.,
Cal.—Herbert M. Baruch Corp., 115
Lincoln Bldg., Los Angeles, awarded
general contract at \$258,437 by Beve-
rly Hills City Council for three-
story reinforced concrete city hall
with eight-story tower at Beverly
Hills. H. G. Cary, 825 Venice Blvd.,
Los Angeles, awarded plumbing con-
tract at \$15,767 and sprinkling system
contract at \$1654; Chris. Heinsborgsen
Jr., 2824 W. Tenth St., Los Angeles,
awarded painting contract at \$6238;
Universal Sheet Metal Works, 2833
W. Pico St., Los Angeles, awarded
ventilating contract at \$6700. Elec-
trical work and elevator bids held
under advisement. The architects

recommended that the electrical work
be awarded R. R. Jones Electrical Co.,
1124 Fair Oaks Ave., South Pasadena,
at \$37,426. Koerner & Gage, archi-
tects, 468 N. Camden Dr., Beverly
Hills; John C. Austin and Frederic
M. Ashley, consulting architects,
Chamber of Commerce Bldg., Los An-
geles.

Bids Opened.
LIBRARY Cost, \$60,000
SAN FRANCISCO. 37th Avenue bet.

Geary and Anza Sts.

Two-story reinforced concrete branch
library (tile roof, ornamental iron,
hot air heat, oil burner).

Owner—City and County of San Fran-
cisco, Geo. A. Mullin, Controller
and Secretary, Board of Library
Trustees.

Architect—John Reid, Jr., 405 Mont-
gomery Street.

Engineer—C. H. Snyder, 251 Kearny
Street.

Frank J. Relly, 6350 Fulton St., \$47,873
Mission Concrete Co., 48,493

H. H. Larsen Co., 49,130
Anderson & Ringrose, 49,796

N. H. Sjoberg & Son, 49,986
Young & Horstmeier, 51,200

J. W. Cobby & Son, 51,630
J. A. Bryant, 51,752

H. L. Petersen, 51,495
William Spivock, 51,940

F. C. Amoroso, 51,999
A. Nelson, 52,450

L. J. Cohn, 52,240
R. C. Stickle, 53,127

Vogt & Davidson, 54,741
H. C. Vensano, 56,152

Plans Being Figured—Bids Close Aug.
11, 2 P. M.

ELECTRICAL WORK AND MOV-
ABLE ELECTRICAL EQUIP-
MENT FOR:

LEGION BLDG. Cost, \$2,500,000
SAN FRANCISCO. Civic Center.

Four-story and basement concrete
class A Legion Building.

OPERA HOUSE Cost, \$2,500,000
Six-story class A opera house, seat-
ing capacity, 4000; standing room,
500.

Owner—City and County of San Fran-
cisco (S. F. War Memorial).

Architect—G. A. Lansburgh, 140 Mont-
gomery St., and Arthur Brown,
251 Kearny St.

Mrgs. of Const.—Lindgren & Swiner-
ton, Inc., 225 Bush St.

Preparing Preliminary Plans.
FIRE HOUSE Cost, \$—
WOODLAND, Yolo Co., Cal.

Fire house (type of construction not
determined).

Owner—City of Woodland (J. H.
Laugenour, City Clerk), Wood-
land.

Architect—Charles Dean, California
State Life Bldg., Sacramento.

Plans To Be Prepared
ADDITION Cost, \$15,000
ISLETON, Sacramento Co., Cal.

Addition to fire house conditional fire
fighting equipment including fire
truck and hoses.

Owner—Town of Isleton
Architect—Not Selected.

RESIDENCES

Contract Awarded.
RESIDENCE Cost, \$200,000
BEVERLY HILLS, Los Angeles Co.,
Calif.

Brick veneer and frame residence (24
rooms, shingle tile roof, gas heat-
ing system, refrigeration, etc.)

Owner—E. L. Cord, 616 Arden Drive,
Beverly Hills.

Architect—Paul R. Williams, 3839 Wil-
shire Blvd., Los Angeles.

Contractor—Shoff & Warrington, 9435
Santa Monica Blvd., Beverly Hills.

There will also be a reinforced con-
crete swimming pool, tennis courts,
stables, garages, gate lodge, brick and
stone garden walls.

Plans Being Re-Figured.
RESIDENCE Cost, \$10,000
OAKLAND, Alameda Co., Cal. Lake-
shore Highlands.

Two-story and basement frame and
stucco residence (Spanish style; 8
rooms, 3 baths; tile roof; hot air
heating).

Owner—East Bay Title Insurance Co.,
1430 Franklin St., Oakland.

Architect—Wm. E. Schirmer, 700 21st
St., Oakland.

As previously reported, following
contractors will submit bids: G. H.

Wendt, 2116 Allston Way, Berkeley;

Thos. Furlong, 460 Jerome Ave.,
Oakland; C. H. Thrums; Jensen &

Federsen, 3443 Adeline St., Oakland;

George Swanson, 1723 Wbster St.,
Oakland; Fred J. Westlund; S. J.

Bertlesen, 30 Estrella Ave., Oakland.

Sub-Bids Wanted.
RESIDENCE Cont. price, \$16,000
OAKLAND, Alameda Co., Cal. Clare-
mont District.

Two-story and basement frame and
stucco residence (9 rooms and 3
baths; hardwood floors, tile baths,
gas hot air furnace, electric re-
frigerator).

Owner—W. S. Andrews, 260 California
St., San Francisco.

Architect—Raymond Jeans, 605 Mar-
ket St., San Francisco.

Contractor—Herbert K. Schulz, 811
Mendocino Ave., Oakland.

Contract Awarded.
RESIDENCE Cost approx. \$55,000
HILLSBOROUGH, San Mateo Co., Cal.

Two-story frame and stucco residence

Owner—G. Lachman, Mission and 16th
Sts., San Francisco.

"Gold Medal" Safety Scaffolding

for use on steel and concrete frame buildings; saves
lives, time and money

It pays to use the best Scaffolding Equipment
whenever a Scaffold is required. The risk is
always great.

THE PATENT SCAFFOLDING COMPANY

270 13th Street, San Francisco - Phone HEmlack 4278

Lessor of Suspended and Swinging Safety "Gold Medal" Scaffolding.

Architect—Haman & Appleton, 68 Post St., San Francisco.
Contractor—Jacks & Davis, 74 New Montgomery St., San Francisco.

Additional Sub-Contracts Awarded. PEACHTERITY HOUSE

Contract price, \$29,429.
BERKELEY, Alameda Co., Cal. Virginia St. near 1st Confr. Ave.
Two-story and basement frame and stucco fraternity house.

Owner—Alpha Chi Sigma, 2428 College Ave., Berkeley.

Architect—W. H. Ratcliff, Jr., Chamber of Commerce Bldg., Berkeley.
Contractor—H. J. Schulz, 811 Mendocino Ave., Berkeley.

Concrete—Nat. Lena, 2907 Encinal Ave., Alameda.

Wiring—Boehmer Electric Co., 2138 University Ave., Berkeley.

Tile—Rigney Tile Co., 3012 Harrison St., Oakland.

Painting—Blomgren Bros., 1518 Grove St., Berkeley.

Sash and Doors—Oakland Planing Mill Inc., 2nd and Washington Streets, Oakland.

Glazing—East Bay Glass Co., 621 6th St., Oakland.

Brick—W. H. Wishepp, 434 Michigan Ave., Berkeley.

As previously reported, plumbing awarded to Jevons Plumbing & Heating Co., 2330 Shattuck Ave., Berkeley; millwork to The Oakland Planing Mill Inc., 2nd and Washington Sts., Oakland; tile roofing to N. Clark & Sons, Pacific and 4th Sts., Alameda; sheet metal to Walter Mork, 1814 San Pablo Ave., Berkeley; lumber to E. K. Wood Lumber Co., Frederick and King Sts., Oakland.

Sub-Bids Being Taken.

RESIDENCES Cost, \$6000 each
SAN FRANCISCO. Dorland St. near Church St.

Three one-story and basement frame and stucco residences (tile baths, hardwood floors, gas and hot air heating, part tile-part composition roof).

Owner and Builder—S. F. Homebuilding Society (W. Altwater, Pres.), 2742 Mission St., San Francisco.

Architect—Charles Strothoff, 2274 15th St., San Francisco.

Plans Completed.

RESIDENCE Cost, \$9000
SAN FRANCISCO. 16th Avenue and Ulloa Street.

Two-story and basement frame and stucco residence (7 rooms and 2 baths, tile baths and kitchen, gas and hot air heating, tile roof).

Owner and Builder—Geo. H. Elkington, 1291 32nd Ave.

Architect—Charles Strothoff, 2274 15th Street.

Sub-bids will be taken shortly.

Contract Awarded.

RESIDENCES Cost each, \$6500
SHELL POINT, Contra Costa Co., Cal. Six 1-story and basement frame and stucco residences and one 1-story frame garage (to accommodate 12 cars).

Owner—Shell Oil Co., Shell Bldg., San Francisco.

Plans by Eng. Dept. of Owner.
Contractor—William Spivock, Hobart Bldg., San Francisco.

Composition shingle roofs, hardwood floors, gas heating system, tile baths and kitchens.

Sub-Contracts Awarded.

RESIDENCE Cost, \$15,000
OAKLAND, Alameda Co., Cal. No. 70 Stonewall Road.

Two-story and basement frame and stucco residence (8 rooms) (Spanish type).

Owner—Winifred Lee, 2215 7th Ave., Oakland.

Architect—Not Given.

Contractor—Theo. H. Lapham, 546 Kenmore Ave., Oakland.

Concrete—Allen MacDonald, 1539 39th Ave., Oakland.

Brick—W. H. Wishepp, 434 Michigan Ave., Berkeley.

Roofing—W. L. Saxby, 4538 Fleming Ave., Oakland.

Painting—John Vellsted, 2060 San Pablo Ave., Oakland.

Ornamental Iron Work—Jas. Eandi, 1336 41st Ave., Oakland.

Sheet Metal—B & Y Sheet Metal Works, 5316 E-14th St., Oakland.

Lumber—Hogan Lumber Co., Second and Alice Sts., Oakland.

Sash and Millwork—Clinton Mill & Lumber Co., 701 4th Ave., Oakland.

Bids Opened.

RESIDENCE Cost, \$—
BERKELEY, Alameda Co., Cal. Regal Road.

Two-story and basement frame and stucco residence (six rooms, gas heating system, shingle roof, hardwood floors, tile bath and kitchen).
Owner—J. W. Walker.

Architect—John H. Thomas, Mercantile Bank Bldg., Berkeley.

Low Bidder—G. A. Pearson, 1906 Berryman, Berkeley.

Following is a complete list of bids:

G. A. Pearson, Berkeley	\$6,528
C. W. Wells, Berkeley	5,587
O. O. Bradhoff, Berkeley	6,920
H. K. Henderson, Berkeley	7,749
Emil Person, Berkeley	8,148

Bids held under advisement.

Contract Awarded.

RESIDENCE Cost, \$13,000
BERKELEY, Alameda Co., Calif. 1775 Arch Street.

Two-story and basement frame and stucco residence (12 rooms).

Owner—Dr. R. R. Thompson, 554 Alcatraz Ave., Berkeley.

Architect—E. L. Snyder, 2102 Addison St., Berkeley.

Contractor—George W. Windsor, 928 Kingston, Piedmont.

Contract Awarded.

ALTERATIONS Cost, \$2500
PIEDMONT, Alameda Co., Calif. 16 Wildwood Avenue.

Remodeling and addition to residence.

Owner—W. J. Gardner, 16 Wildwood Gardens Ave., Piedmont.

Architects—Noble & Archie T. Newson, Russ Bldg., San Francisco.

Contractor—A. Cedarborg, 1455 Excelsior Ave., Fruitvale.

Plans Being Figured—Bids Close July 31st, 2 P. M.

COTTAGE Cost, \$—
MT. DIABLO, Contra Costa Co., Cal.

One-story frame caretaker's cottage (4 or 5 rooms).

Owner—State of California.

Architect—Geo. McDougall, state architect, Public Works, Bldg., Sacramento.

Plans Being Revised.

RESIDENCE Cost, \$18,000
BERKELEY, Alameda Co., Cal. Vincente Rd. N Thousand Oaks Blvd. (75x150 feet).

Frame and stucco residence (8 rooms) (rambling type; ornamental stone work, patio, considerable landscape gardening).

Owner—R. C. McBride & Son, 4127 Broadway, Oakland.

Plans by R. C. McBride Jr., 4127 Broadway, Oakland.

It is expected to start construction in about three weeks.

Plans Being Prepared—Contract Awarded.

RESIDENCE Cost, \$7500
SAN FRANCISCO. Vicinity of Twin Peaks.

Two-story and basement frame and stucco residence (7 rooms and 2 baths).

Owner—Withheld.

Architect—Not Given.

Contractor—Fred F. Balliet, 810 47th Avenue.

Tile and composition roofing, gas and hot air heating system, tile baths and kitchens, hardwood trim, interior stucco.

Contract Awarded.

RESIDENCE Cost, \$8000
ALAMEDA, Alameda Co., Cal. Peninsula Tract.

Two-story frame and stucco residence.

Owner—Alfred Iarelles, 2217 Lincoln St., Alameda.

Architect—Not Given.

Contractor—W. H. Anderson, 1014 Doris Court, Alameda.

Contract Awarded.

RESIDENCE Cost, \$5500
SAN FRANCISCO. N Ulloa St. E Fourteenth Ave.

One-story and basement frame and stucco residence (5 rooms); tile and composition roofing, gas and hot air heating system.

Owner—M. A. Raymond.

Architect—Not Given.

Contractor—Lindgren Bros., 64 Ramona St., San Francisco.

Plans Being Prepared.

RESIDENCE Cost, \$7500
SAN FRANCISCO. Darien Way near Northgate.

One-story and basement frame and stucco residence (6 rooms; Spanish type).

Owner and Builder—August Hallgren, 1594 29th Avenue.

Architect—Not Given.

Sub-bids will be taken in one week. Tile and composition roof, hardwood floors and trim, gas and hot air heating system, canvas walls and ceilings.

Additional Sub-Contracts Awarded.

RESIDENCE Cost, \$15,000
OAKLAND, Alameda Co., Cal. Stonewall Road.

Two-story and basement frame and stucco residence (7 rooms and 4 baths, hardwood floors and trim, hot air heating system).

Owner—H. B. Colby, 3835 Jackson St., San Francisco.

Architect—W. W. Wurster, 260 California St., San Francisco.

Contractor—Emil Person, 829 San Luis Road, Berkeley.

Plastering—J. Rinalde, 836 52nd St., Oakland.

Reinforcing Steel—McGrath Steel Co., 354 Hobart St., Oakland.

Steel Sash—Michel & Pfeffer, Tenth and Harrison Sts., San Francisco.

Roofing—Guy Tyler, 1502 Cedar St., Berkeley.

Brush Coating—Pacific Brush-Cote Co., 58 Sutter St., San Francisco.

Tile—Superior Tile and Products Co., 3743 Broadway, Oakland.

Rolling Screens—Roll-Way Window Screen & Shade Co., Ltd., 2911 Shattuck Ave., Berkeley.

Glass—W. F. Fuller & Co., 2037 Shattuck Ave., Berkeley.

Other awards reported July 18.

SCHOOLS

Final Plans Approved.

SCIENCE BLDG. Cost, \$202,000
SAN JOSE, Santa Clara Co., Cal.

Three-story and basement reinforced concrete Science Building (tile roof, steam heating system).

Owner—State of California.

Architect—Ralph Wyckoff, Growers Bank Bldg., San Jose.

Associate Architect—Chas. McKenzie, Twohy Bldg., San Jose.

Bids will not be called for about thirty days.

Preparing Preliminary Plans.
SCHOOL. Cost, \$30,000
SALINAS, Monterey Co., Calif.
 One-story frame and stucco school.
 Owner—Spring School District.
 Architect—Chas. E. Butner, Gilbarg Bldg., Salinas.

Contract Awarded.
ADDITION. Cost, \$—
DURHAM, Butte Co., Cal.
 Auditorium addition for high school.
 Owner—Durham Union High School District, Beecher H. Harris, Clerk, Durham.
 Architect—Chester Cole, 308 1st National Bank Bldg., Chico.

Contractor—Brown & Gerl, Durham.
 Following is a complete list of bids:
 Brown & Gerl, Durham.....\$ 3,331
 W. J. Shalz, Chico.....9,155
 John Berlinger, Chico.....10,145
 E. F. Anderson, Oakland.....10,821
 Merritt Evans, Chico.....10,250

Plans Being Figured—Bids Close Aug. 12, 5 P. M.
ROOFING. Cost, \$—
PORTERVILLE, Tulare Co., Cal.
 Install new roof on Manual Arts Bldg. at high school plant.
 Owner—Porterville Union High School District, H. T. Perkins, clerk.
 Architect—W. D. Coates, Jr., 626 Rowell Bldg., Fresno.

Certified check or bidder's bond for 10% payable to clerk required with bid. Plans obtainable from the architect.

Plans Being Figured—Bids Close Aug. 5, 2 P. M.
HEATING. Cost, \$—
MODESTO, Stanislaus Co., Cal.
 Heating system for North Unit of the Modesto Junior College.
 Owner—Modesto City School District, E. D. Abbott, secretary.
 Architect—Davis-Pearce Co., Builders Bldg., Stockton.

Certified check 10% required with bid. Plans obtainable from the architects and on file in office of the secretary at Modesto.

Preliminary Plans Awaiting Approval
SCHOOL BLDG. Cost, \$40,000
SACRAMENTO, Sacramento Co., Cal.
 34th and W Streets.
 One-story brick and steel manual training quarters for high school (mill construction roof).
 Owner—City of Sacramento School Dist., Charles Hughes, superintendent, Board of Education.
 Architect—Jens C. Petersen, 826 26th St., Sacramento.

Brick or plaster interior partitions, concrete floors, brick and some plaster interior finish, oil burning heating system.

Contracts Awarded.
SCHOOL. Cont. price, \$65,827
ST. HELENA, Napa Co., Cal.
 One-story reinforced concrete grammar school (eight classrooms and auditorium).
 Owner—St. Helena Grammar School District.
 Architect—Wolfe and Higgins, Realty Bldg., San Jose.

Painting—Carl Hilke, St. Helena, \$2,140.

Heating—Dominic Crinella, Ukiah.

Completing Plans.
GYMNASIUM. Cost, \$12,000
TOMALES, Marin Co., Calif.
 One-story and basement frame and stucco addition to Tomales High School (auditorium, 45x80, bleachers, stage, cafeteria, kitchen, supply rooms, lecture hall).
 Owner—Tomales High School District.
 Architect—N. W. Sexton, deYoung Bldg., San Francisco.
 Plans will be ready for bids in about two weeks.

Contract Awarded.
SCHOOL. Cont. price, \$7,481
NORTH SACRAMENTO, Sacramento Co., Calif.
 One-story brick veneer school (two classrooms; title or composition rooms).
 Owner—North Sacramento Grammar School District.
 Architect—Paul Dragon & C. Schmidt, Alameda Bank Bldg., Berkeley.
 Contractor—Al. E. Peterson, 1116 O St., Sacramento.

Following is a complete list of bids:
 (1) stucco finish; (2) brick exterior walls; (3) add for slate roof in place of shingle; (4) add for using terra cotta tile in place of shingle roof; (5) deduct for omitting stucco on interior; (6) add for electrical devices.
 M. E. Peterson, Sacramento, (1) \$7,548 (2) \$7,484 (3) \$260 (4) \$298 (5) \$275 (6) \$131.

W. E. Hayen, Sacramento, (1) \$7,450 (2) \$7,769 (3) \$172 (4) \$54 (5) \$139 (6) \$15.

C. J. Hopkinson, Sacramento, (1) \$7,902 (2) \$8,077 (3) \$220 (4) \$282 (5) \$330 (6) \$145.

P. F. Bender, Sacramento, (1) \$7,963 (2) \$1,357 (3) \$228 (4) \$296 (5) \$330 (6) \$120.

Gene Kenyon, Sacramento, (1) \$7,771 (2) \$1,144 (3) \$150 (4) \$200 (5) \$225 (6) \$160.

Henry Finnigan, Sacramento, (1) \$7,990 (2) \$8,246 (3) \$169 (4) \$221 (5) \$350 (6) \$20.

Wm. Phielben, Sacramento, (1) \$7,725 (2) \$8,135 (3) \$180 (4) \$240 (5) \$180 (6) \$20.

F. H. Betz, Sacramento, (1) \$8,049 (2) \$8,332 (3) \$190 (4) \$240 (5) \$210 (6) \$180.

Campbell Const. Co., Sacramento, (1) \$8,378 (2) \$8,378 (3) \$112 (4) \$155 (5) \$229 (6) \$42.

David Nordstrom, Oakland, (1) \$9,359 (2) \$9,422 (3) \$129 (4) \$191 (5) \$300.

Contracts Awarded.
AUDITORIUM. Cost, \$100,000
VISALIA, Tulare Co., Cal.
 Auditorium, 88x134-ft.
 Owner—Visalia Union High School District.
 Architect—E. J. Kump, Fresno.

General Contract—R. Hodgson, Porterville, \$87,075.

Plumbing—Fred Stone, Porterville, \$2,729.

Heating—Barrett-Hicks Co., Fresno, \$2,556.

Electric Work—Robinson Electric Co., Fresno, \$10,635.

Ventilating—T. W. Swedell, Kingsburg \$2,392.

It will be of fireproof, reinforced concrete and steel construction and is designed in modern renaissance. The exterior will be imitation stone finish, with Italian tile roof and ornamental cast stone.

The building comprises a ground floor, balcony, a stage 24 by 64 feet, equipped with a fly gallery, gridlrons, scenery loft, dressing, property, paint and musicians' rooms. Pipe organ will also be installed.

Preparing Preliminary Plans.
ADDITIONS. Cost, \$—
SALINAS, Monterey Co., Calif.
 Alterations and additions to various schools.
 Owner—Salinas City School District.
 Architect—Chas. E. Butner, Gilbarg Bldg., Salinas.

Preliminary Studies Approved.
SCHOOL. Cost, \$150,000
SAN FRANCISCO. 30th and 31st Avenues, Geary and Balboa Sts.
 Class A school building.
 Owner—City and County of San Francisco.

Architect—Miller & Pfueger, 580 Market Street.

Will be known as the George Washington School.

Bids Wanted—To Close July 22
GYMNASIUM. Cost, \$35,000
WASCO, Kern Co., Calif.
 Gymnasium (100 feet square).
 Owner—Wasco Union High School District.
 Architect—Not Given.

SAN RAFAEL, Marin Co., Calif.—Board of Education has rejected bids to furnish fuel oil for heating schools and contemplates the installation of gas furnaces for school heating.

KENTFIELD, Marin Co., Cal.—F. J. Main, 54 Suffolk Ave., San Anselmo, at \$39 per cu. yd., awarded contract by Marin Union Junior College Dist. for 1,600 yards of dirt fill at gymnasium building, and E. G. Jackson, 480 4th St., San Rafael, at \$789 awarded contract for carpentry and plastering for gymnasium.

Following is complete list of bids:
Dirt Fill
 F. J. Main.....\$39 per cu. yd.
 C. H. Handerkinn......65 per cu. yd.
 Highway Builders......68 per cu. yd.
 D. Maggioni......90 per cu. yd.
Millwork, Carpentry and Plastering
 E. G. Jackson.....\$789
 Otis Smith.....794
 L. Worden.....815
 D. Ferrero.....860

Contracts Awarded.
ADDITION. Cost, \$—
SAN FRANCISCO. Claremont Blvd. and Taraval Street.

Addition to 2-story class B reinforced concrete school (12 classrooms, small auditorium; extend steam heating system; West Portal).
 Owner—City and County of San Francisco.

Architect—Dodge Riedy, Pacific Bldg., San Francisco.

General Contract—J. Harold Johnson, Hearst Bldg., San Francisco, \$106,873.

Mechanical Equipment—J. A. Nelson, 10th and Howard Sts., San Francisco, \$7,521.

Plumbing—O'Mara and Stewart, 218 Clara St., San Francisco, \$5,400.

Electric Work—Lynn and Drott, 2445 Ulloa St., San Francisco, \$7,245.

Plans Being Prepared.
COLLEGE BLDG. Cost, \$150,000
RIVERSIDE, Riverside Co., Cal.
 Two-story and basement reinforced concrete citrus experimental station (100x70 feet).
 Owner—University of California.
 Architect—G. Stanley Wilson, 2646 W. Ninth St., Riverside.

MONTEREY, Monterey Co., Cal.—Until August 1, 1:30 P. M., bids will be received by J. R. McKillop, Clerk, Monterey Union High School District, to furnish supplies and equipment. Certified check 10% required with bid. Specifications and lists of supplies desired are obtainable from the clerk.

COALINGA, Fresno Co., Cal.—Worley & Co., Pico, Calif., at \$829.30 awarded contract by Coalinga Union High School District to furnish and deliver:

27 steel gymnasium lockers, size 12x 15x24 inches;
 32 do 12x15x36 inches;
 32 steel lockers, size 12x12x18 inches;
 25 steel lockers, size 12x15x12 inches;
 25 steel lockers, size 12x12x12 inches;

Complete list of bids follow:
 Fred E. Turner, S. F.....\$ 760.00
 C. F. Webber & Co., Fresno.....768.90
 *Worley & Co., Pico.....829.30
 A. H. Meyn Co., S. F.....1048.00
 *This firm was the only bidder submitting complete sample with bids

COALINGA, Fresno Co., Cal.—Until July 30, 5:30 P. M., bids will be received by F. J. MacCollum, secretary Coalings Union High School District, 144 West Elm St., for heating units in schools as follows:

Two unit heaters equal to No. 30 Venturina Unit heater, fitted with 110 volts, single phase motors, 60 cycle, bids to cover necessary traps, check valves and other fittings necessary to connect heater into lines;

Two unit heaters same as above, equal to No. 35 Venturina heaters with necessary traps, valves and fittings as in item above.

One lift trap to take condensation from No. 30 heater.

One three-quarter steam trap (low pressure) equal to Crane No. 1.
Heaters to operate on vacuum system.

Certified check or bidder's bond for 10% required with bid. Further information obtainable from secretary.

KENTFIELD, Marin Co., Cal.—Until August 19, 7 P. M., bids will be received by Ada M. Fusselman, secretary, Marin Junior College District, 908 Fourth St., San Rafael, for three pairs of basketball backstops, installed. Specifications obtainable from the secretary at San Rafael.

Plans Being Figured—Bids Close July 31, 7:30 P. M.

PROCLAIM CLOCKS, Etc. Cost, \$—
ALBANY, Alameda Co., Cal.
Install program clocks and fire alarm systems in Herbert Hoover Junior High School and Marin Avenue School.

Owner—Albany School Dist., Lloyd J. Fletcher, secretary.
Architect—P. L. Dragon, Mercantile Bank Bldg., Berkeley.

Certified check 10% payable to Albany High School District of Alameda County. Plans obtainable from the secretary at 602 Pomona Ave., Albany, or from the architect, on deposit of \$5, returnable.

BERKELEY, Alameda Co., Calif.—Until August 3, 8 P. M., bids will be received by Clara F. Andrews, secretary, Board of Education, 2325 Milvia St., to furnish heating plant materials. Specifications obtainable from secretary.

To Ask Bids In One Week.

SCHOOL Cost, \$100,000
REDWOOD CITY, San Mateo Co., Cal.
NE Katherine and Grand Sts.
Two-story concrete school (Spanish type, ten classrooms, club house, auditorium and cafeteria).

Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.

Architect—H. A. Minton, 525 Market St., San Francisco.

To Ask Bids In One Week.

SCHOOL & HOME Cost, \$200,000
SAN FRANCISCO, Silver Avenue.
Four-story reinforced concrete girls' school and home.

Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.

Architect—H. A. Minton, 525 Market St., San Francisco.

Plans Completed.

SCHOOL ADDITION Cost, \$—
MILLBRAE, San Mateo Co., Cal.

One-story frame and stucco addition to grammar school (2 classrooms, kindergarten, corridors, etc.)

Owner—Millbrae Grammar School District.

Architect—Edwards & Schary, 605 Market St., San Francisco.

Bids will be asked shortly.

Prospective Bidders
SCHOOL REPAIRS Cost, \$—
RIO VISTA, Solano Co., Cal.
Repair, alter and remodel gymnasium building.

Owner—Rio Vista Joint Union High School District, Elizabeth H. McCormack, clerk.
Architect—Frederick S. Harrison, Peoples Bank Bldg., Sacramento.
Certified check or bid bond 10% payable to district required with bid. Plans on file at office of clerk and obtainable from the architect.

General Work
Gene Kenyon, North Sacramento.
M. R. Peterson, 1544 37th St., Sacramento.

Frank Watson, Isleton.
Victor Kaufenberg, Pittsburg.
Electric, Plumbing and Heating
Delta Electric Co., Isleton.
Balsamier & Son, Isleton.
Delta Plumbing Shop, Rio Vista.
Starr Electric Works, Rio Vista.
Arthur Hanson, Rio Vista.
Chas. Turner, 907 Front St., Sacramento.

Steel
Palm Iron Works, 15th and E Sts., Sacramento.

Mill Work
Friend & Terry, Second and S Sts., Sacramento.

Sheet Metal
Wagner Sheet Metal Works, 2900 M St., Sacramento.
Arthur Hanson, Rio Vista.
Delta Plumbing Shop, Rio Vista.
Bids being received for general construction, electric, plumbing, heating and also for plumbing and heating separately.

Plans Being Figured—Bids Close Aug. 3, 10 A. M.

SCHOOL Cost, \$—
MARYSVILLE, Yuba Co., Cal.
Erect school building.

Owner—Plumas Elementary School District, Alta R. Holland, clerk.
Architect—Not Given.

Certified check 10% payable to clerk required with bid. Plans obtainable from office of the County Superintendent of Schools at Marysville.

Working Drawings Being Prepared.

SCHOOL Cost, \$135,000
SAN FRANCISCO, Connecticut Street bet. 19th and 20th Sts. (Matt I. Sullivan Elementary School).
Three-story reinforced concrete school.

Owner—City and County of San Francisco, S. J. Hester, Secretary, Board of Public Works.

Architect—G. A. Applegate, Claus Spreckels Bldg., San Francisco.

This structure will contain 11 standard classrooms, 1 kindergarten, 1 assembly hall and lunch room with kitchen, teachers' office, clinic and waiting room, storage rooms, two lavatories, etc.

Preliminary Plans Awaiting Approval
SCHOOL Cost, \$600,000
SAN FRANCISCO, Appleton St. near Highland Avenue.
Class A Junior High School.

Owner—City and County of San Francisco.
Architect—G. Albert Lansburgh, 140 Montgomery St.

Will be known as Bernal Junior High School.

Property is to be purchased.

Preliminary Plans Await Approval.
ADDITIONS Cost, \$—
SAN FRANCISCO, Lowell and Morse.
Additions to Longfellow School.

Owner—City and County of San Francisco, S. J. Hester, sec'y, Board of Public Works.

Architect—F. H. Meyer, 742 Market Street.

Bids opened.
SCIENCE BLDG. Cost, —
SANTA BARBARA, Santa Barbara Co.
Three-story reinforced concrete Science Bldg. (approximately 24,000 sq. ft. floor area).
(Owner—State of California.)
Architect—Geo. M. McDougall, state architect, Public Works Building, Sacramento.

The building is three stories with reinforced concrete foundations, floors and walls, tile partitions, concrete and wood roof construction and tile and composition roof.

The Science building will have floor area of approximately 24,400 sq. ft.

Following is a complete list of bids:

General Work
H. Mayson, 29 Euclid Ave., Long Beach, \$113,700 (a) deduct \$2500 (b) deduct \$16,000 (c) deduct \$885.
The Minton Co., Palo Alto \$115,000
(a) \$3080 (b) \$18,375 (c) \$812.
Andy Sordal, Long Beach \$115,663
(a) \$2850 (b) \$18,300 (c) \$550.
Carl N. Swensen, San Jose \$116,899
(a) \$2800 (b) \$17,750 (c) \$650.
Neves & Harp, Santa Clara \$127,600 (a) \$3000 (b) \$18,000 (c) \$750.

Mechanical Complete
Hickman Bros., San Pedro, \$28,600 (a) deduct \$620.

W. P. McArthur \$29,509 (a) \$672.
W. H. Robinson, \$28,975 (a) \$600.
Hately & Hately, Sacramento \$29,958 (a) \$710.

W. H. Smith, Long Beach \$30,000 (a) \$700.

Allan Black & Son, \$31,203 (a) \$600.
Ott Hardware Co., Santa Barbara \$32,000 (a) \$688.

Cooney & Winterbottom, Los Angeles \$33,180 (a) \$638.

Lohman Bros., Los Angeles \$33,355 (a) \$450.

Pacific Pipe & Supply Co., Los Angeles \$33,550 (a) \$740.

Heating and Ventilating
Thomas Havery Co., 316 E 8th St., Los Angeles, \$15,499

W. H. Smith, Long Beach, 16,000
W. P. McArthur, Los Angeles, 16,040
W. H. Robinson, Los Angeles, 16,504

Carpenter & Mendenhall, Sacramento 16,900
Hickman Bros., Los Angeles, 17,836

Allen Black & Son, L. A., 18,074
Pacific Heating & Ventilating Co., Oakland, 18,150

Hately & Hately, Sacto., 18,186
Pacific Pipe & Supply Co., L. A., 18,527

Ott Hardware Co., Santa Barbara 18,749
Cooney & Winterbottom, L. A., 19,425

Lohman Bros., Los Angeles, 20,086

Electrical Work
H. H. Walker, 1323 Venice Blvd., Los Angeles, \$7300 (a) deduct \$32 (b) deduct \$16.

Moore Electric Co., Los Angeles, \$8496 (a) \$5 (b) \$25.

California Electric Co., Los Angeles \$8997 (a) \$53 (b) \$4.

W. H. Smith, Long Beach \$9000 (a) \$200 (b) \$5.

Plumbing
J. A. Fazio, 402 Castro St., Oakland \$9324 (a) deduct \$1000.

Thomas Havery Co., Los Angeles, \$9996 (a) \$395.

Hickman Bros., Los Angeles, \$10,815 (a) \$620.

Ora King, Los Angeles, \$11,011 (a) \$694.

W. H. Robinson, Los Angeles, \$12,666 (a) \$600.

Hately & Hately, Sacto., \$12,972 (a) \$710.

Allan Black & Son, \$13,129 (a) \$600.
Scott Co., San Francisco, \$13,313 (a) \$707.

W. P. McArthur, Los Angeles, \$13,719 (a) \$672.

Ott Hardware Co., Santa Barbara, \$13,744 (a) \$688.

Cooney & Winterbottom, Los Angeles, \$14,014 (a) \$638.

W. H. Smith, Los Angeles, \$11,500 (to \$700).
 Lehman Bros., Los Angeles, \$11,800 (to \$450).
 Pacific Pipe & Supply Co., Los Angeles, \$15,350 (to \$715).
 Bids held under advisement.

Completing Plans.

ADDITION TO SCHOOL. Cost, \$—
 SAN ANGELES, Cal. Bishop St. near Broadway.
 Two-story brick addition to school (100x82 feet).
 Owner—Roman Catholic Bishop of Los Angeles.
 Architect—M. L. Barker and G. L. Ott, 316½ S. Le Brea Ave., Los Angeles.

SAN FRANCISCO—Van Fleet Frear Co., 557 Howard St., at \$7,477.50, delivery 70 days, submitted low bid to city purchasing agent, under Proposal No. 739, to furnish slate blackboards and cork carpet for Lowell High School. Other bids, all taken under advisement, were: F. E. Turner, \$7,855.50, 32 days; C. F. Weber Co., \$8,200, 60 days; Rucker Fuller Co., \$8,450, 60 days.

Plans Being Figured—Bids Close July 28, 7:30 P. M.

SCHOOL. Cost, \$—
 FRESNO, Fresno Co., Cal.
 Frame and stucco addition to grammar school.
 Owner—Bulard Grammar School Dist. Architect—W. D. Coates, Jr., 626 Rowell Bldg., Fresno.
 Certified or cashier's check or bond for 10% must accompany each bid. H. D. Bartlett, clerk.

PORTERVILLE, Tulare Co., Cal.—Porterville High School District is taking bids for a new roof to be installed on the manual arts building at the high school.

BANKS, STORES & OFFICES

Sub-Contracts Awarded.
 ALTERATIONS. Cost, \$4,000
 OAKLAND, Alameda Co., Calif. 17th St. and Telegraph Ave.
 Remodeling 1-story frame and stucco store building.
 Owner—Withheld.
 Architect—E. A. Eames, 353 Sacramento St., San Francisco.
 Contractor—Barrett & Hilt, 918 Harrison St., San Francisco.
 Sheet Metal—Central Sheet Metal Works, 2847 Hannah, Oakland.
 Toilet Partitions—Albatross Co., 327 17th St., Oakland.
 Glass—W. P. Fuller Co., 259 Tenth St. Oakland.
 Other awards previously reported.

Contract Awarded.
 ALTERATIONS. Cost, \$6,000
 OAKLAND, Alameda Co., Calif. 1312 Broadway.
 Alterations to store.
 Owner—Leighton Industries, premises.
 Architect—Not Given.
 Contractor—E. A. Duval, 207 Dalziel Bldg., Oakland.

Completing Plans.
 ALTERATIONS. Cost, \$7,000
 SALINAS, Monterey Co., Calif.
 Alterations to 1-story brick store (new store fronts, etc.)
 Owner—Withheld.
 Architects—Louis Upton and George Ralph, 110 Sutter St., San Francisco.

Plans Being Figured.
 STORE. Cost, \$9,000
 ARLINGTON ESTATES, Contra Costa Co., Cal. Arlington Ave.
 One-story frame and brick store (two stores; tile and tar and gravel roof; 1st unit).

Owner—H. F. Wehman, 1317 Grove St., Berkeley.
 Architect—Hechtman and Russ, Berkeley Bank Bldg., Berkeley.
 Bids are being taken by selected list of contractors.

Preparing Plans.

STOCKTON. Cost, \$—
 BAKERSFIELD, Kern Co., Cal. 19th and K Sts.
 Three-story and basement brick and concrete store (brick and terra cotta facing, composition roofing, structural steel, cement, hardwood and terrazzo floors, elevator, plate glass, metal fire doors, ornamental iron, fire escapes, gas heat, etc.)
 Owner—S. H. Kress Co., New York City.
 Plans by Eng. Dept. of Owner.

Contract Awarded.
 ADDITION. Cost, \$8,500
 STOCKTON, San Joaquin Co., Calif. 310 E Main St.
 Addition to store.
 Owner—Smith & Lang, premises.
 Architect—Not Given.
 Contractor—Lewis & Green, Bank of Italy Bldg., Stockton.

Plans Being Figured—Bids Close July 27, 2 P. M.
 ALTERATIONS. Cost, \$—
 SAN FRANCISCO, E Grant Ave. bet. Post and Sutter Sts.
 Alterations to store and loft bldg.
 Owner—Not Given.
 Architect—Bertz, Winter and Maury, 210 Post St.
 Lessee—Podesto and Baldocchi, premises.
 Bids taken from a selected list of contractors.

THEATRES

Sub-Contracts Awarded.
 THEATRE. Cost, \$150,000
 RICHMOND, Contra Costa Co., Cal. S Macdonald Avenue bet. Seventh and Eighth Streets.
 Class A reinforced concrete theatre (to seat 1200).
 Owner—United Artists of California, 1966 S Vermont St., Los Angeles, (Lewis Anger in charge).
 Architect—Walker & Eisen and C. A. Balch, Western Pacific Bldg., Los Angeles.
 Contractor—Henry I. Beller Const. Co., 6513 Hollywood Blvd., Los Angeles.
 Lumber—San Pablo Lbr. Co., Richmond.
 Rock, Sand & Gravel—Richmond Navigation & Imp. Co., Richmond.
 Other awards will be made within a week.

Contract Re-Awarded.
 THEATRE. Cost, \$65,000
 PALO ALTO, Santa Clara Co., Calif. University Ave. near Cowper St. (62½x150-ft.)
 Two-story concrete theatre and store (to seat 1000; Gothic type).
 Owner—United Artists Theatre of California, Jos. M. Schenck, vice-president, 1966 S Vermont Street, Los Angeles.
 Architect—Walker & Eisen and C. A. Balch, Western Pacific Bldg., Los Angeles.
 Contractor—Barrett & Hilt, 918 Harrison St., San Francisco.
 Previously reported as being awarded to Beller Const. Co., 580 Market St., San Francisco.
 Monolithic concrete exterior finish; hot air heating system, gas furnace, composition roof.
 Contract Awarded.
 THEATRE. Cost, \$165,200
 LOS ANGELES, Cal. Compton and Florence Aves.

Class A reinforced concrete and brick theatre and store (62½x132 ft.)
 Owner—Fox West Coast Theatres.
 Architect—S. Chas. Lee, 2404 7th St., Los Angeles.
 Contractor—Robert E. McKee, 108 W. 6th St., Los Angeles.

WHARVES AND DOCKS

Contract Awarded.
 EXTENSION. Cost, Price \$132,400
 SAN FRANCISCO, Pier No. 38.
 Extension to pier (concrete piles; concrete deck; track aprons of creosoted lumber; steel frame shed; concrete walls; flat wood roof).
 Owner—State of California (Harbor Commission).
 Engineer—Frank G. White, chief engineer, Ferry Bldg.
 Contractor—Healy Tibbitts Construction Co., 64 Pine St., S. F.

Plans Being Completed.
 BULKHEAD BLDG. Cost, \$50,000
 SAN FRANCISCO, Head of Pier 39.
 Steel frame stucco front bulkhead building (tar and gravel roof).
 Owner—State of California (Harbor Commission).
 Engineer—Frank G. White, chief engineer, Ferry Bldg.
 Bids will be taken in three or four weeks.

Bids Opened.
 PIER EXTENSION. Cost, \$100,000
 SAN FRANCISCO, Pier No. 38.
 Extension to pier (concrete piles; concrete deck; track aprons of creosoted lumber; steel frame shed; concrete walls; flat wood roof).
 Owner—State of California (Harbor Commission).
 Engineer—Frank G. White, chief engineer, Ferry Bldg.
 Following is a complete list of bids:
 Healy-Tibbitts Const. Co., Co. 64 Pine Street.....\$132,400
 M. B. McGowan.....135,287
 E. T. Lesure, Oakland.....135,840
 MacDonald & Kahn, S. F.....141,000
 Merritt, Chapman & Scott.....144,000
 A. W. Kitchen, S. F.....145,937
 Geo. Pollock, Sacramento.....152,217
 Clinston Const. Co., S. F.....152,300
 Barrett & Hilt, S. F.....156,686
 Bids held under advisement. Award may be made July 20th.

SACRAMENTO, Calif.—Western Foundation Co., Richmond, Calif., and 308 W Washington St., Chicago, Ill., at \$70 lin. ft. for composite piles and Healy-Tibbitts Const. Co., 64 Pine St., San Francisco, at \$84 for treated timber piles, submitted low bids to the city council to furnish and drive 1,870 piles (93,500 lin. ft.) in connection with Pre-Treatment Plant at the Filtration Plant. Complete list of bids, all taken under advisement, follows:
 (a) Composite piles (b) Treated timber piles.
 M. B. McGowan (a) \$80 (b) \$1,095.
 Merritt, Chapman & Scott, San Pedro (a) no bid (b) \$94.
 Geo. Pollock, Sacramento (a) \$100 (b) \$87.
 Duncanson-Harrelson Co., S. F. (a) \$805 (b) \$885.
 Raymond Concrete pile Co., S. F. (a) \$74 (b) no bid.
 Western Foundation Co., Richmond, Calif. and Chicago (a) \$70 (b) no bid.
 A. W. Kitchen, S. F. (a) no bid (b) \$91.
 G. W. Jacobs, Stockton (a) no bid (b) \$100.
 Healy-Tibbitts Const. Co., S. F. (a) no bid (b) \$854.
 Lindgren & Swinerton, Inc., S. F. (a) \$845 (b) no bid.

MARTINEZ. Contra Costa Co., Cal. Contra Supervisor R. R. Arnold instructed by supervisors to the application with the War Department seeking authorization to reconstruct the ferry ramps across Old River at Clifton Court Ferry on the Contra Costa side of the river.

Plans Being Figured—Bids Close Aug. 6, 2 P. M.

WHARF & WALL. Cost, \$—
SAN FRANCISCO. Jefferson St. bet. Jones and Taylor.

Reinforced concrete wharf (400x15-ft.) and precast reinf. concrete retaining wall (jacketed piles, etc.)

Owner—State of California, (Harbor Board).

Engineer—Frank White, Ferry Bldg.

MISCELLANEOUS CONSTRUCTION

Plans Being Prepared.

ALTERATIONS. Cost, \$25,000
OAKLAND, Alameda Co., Cal. No. 3479 Piedmont Avenue.

Alterations and additions to one- and two-story mortuary (frame construction).

Owner—Hill & Kammerer, 3479 Piedmont Ave., Oakland.

Architect—Raymond De Sanno, 2584 Milvia St., Berkeley.
New front, chapel, etc.

SAN DIEGO. Cal.—Lynch Constr. Co., 730 E. Gage Ave., Los Angeles, was awarded contract at \$220,370 by San Diego city council on July 20 for transferring an existing shed and constructing a new freight and passenger depot on Broadway Pier, San Diego. All work is included in general contract. The new building will be a steel frame structure, providing terminal facilities, offices, observation room, etc.

Contract Awarded.

GRANDSTAND. Cont. Price, \$7795.50
STOCKTON, San Joaquin Co., Cal. Oak Park.

Grandstand to replace structure destroyed by fire.

Owner—City of Stockton.

Architect—Not Given.

Contractor—Wellman Buck, 301 E. Wyandotte St., Stockton.

Following is a complete list of bids:
Wellman Buck (1) \$15,842; (2) \$10,842; (3) \$7514; (4) \$9096; (5) \$7795; (6) \$746.

T. C. Hunt (1) \$14,262; (2) \$10,694; (3) \$7899; (4) \$8560; (5) \$8000; (6) \$847
S. C. Giles (1) \$—; (2) \$11,744; (3) \$8268; (4) 10,332; (5) \$9472; (6) \$1240.

Contract awarded on proposition No. 5.

Preparing Plans,
OBSERVATORY, ETC. Cost, \$750,000
LOS ANGELES, Cal. Griffith Park. Observatory and Hall of Science.

Owner—Not Given.

Architect—Austin & Ashley, Chamber of Commerce Bldg., Los Angeles.

SAN FRANCISCO.—Board of Park Commissioners rescinded call for bids (set for opening July 22) for installation of a sprinkling system for the trotting track in the stadium at Golden Gate Park.

New plans are being prepared and bids will be asked within 30 days by the Board of Public Works.

Bids Rejected.

MORTUARY. Cost, \$30,000
HAYWARD, Alameda Co., Cal. One-story brick and frame class C mortuary building.

Owner—Pratt Mortuary, 1044 C Street, Hayward.

Architect—Miller & Warnecke, Financial Center Bldg., Oakland.

Carl Foreisen, Hayward, submitted lowest bid. Whether new bids will be taken or not is indefinite at this time.

Plans Being Figured—Bids Close Aug.

4th, 2 P. M.

BORDER STATION. Cost, \$5000
CRESCENT CITY, Del Norte Co., Cal. One-story border station (frame and log construction).

Owner—State of California.

Architect—Geo. McDougall, state architect, Public Works, Bldg., Sacramento.

Plans Being Completed.

MAUSOLEUM. Cost, \$80,000
SAN MATEO COUNTY, Calif. Mount Olivet Cemetery.

First unit of mausoleum (reinforced concrete construction; marble and bronze interior).

Owner—Mt. Olivet Cemetery.

Architect—Crim, Resing and McGuinness, 488 Pine St., San Francisco.

Plans will be completed in about three weeks. Work will be handled on segregated bid basis as work progresses.

Contract Awarded.

HOSPITAL. Cont. price, \$10,900
SAN MATEO, San Mateo Co., Cal. Two-story frame and stucco cat and dog hospital, double garage, separate (concrete floors, iron work, composition roof, steel sash, hot water heating).

Owner—Dr. Harold H. Groth, 2600 S. El Camino Real, San Mateo.

Architect—Treichel & Coopastor, 1540 San Pablo Ave., Oakland.

Contractor—C. H. Thrums 23 Home Place, Oakland.

Contract Awarded.

AIRPORT LIGHTING. Cost, \$—
SAN FRANCISCO. Mills Filed Municipal Airport.

Lighting equipment and installation.

Owner—City and County of San Francisco, S. J. Hester, Sec'y, Board of Public Works.

Plans by Bureau of Engineering, 3rd floor, City Hall.

Contractor—Atlas Elec. & Eng. Co., 343 4th St., \$1,085.

Plans Completed.

MAUSOLEUM. Cost, \$25,000
TAFT, Kern Co., Cal. Reinforced concrete mausoleum (114x36-ft.) contain 560 crypts.

Owner—Withheld.

Architect—Charles H. Biggar, Bank of Italy Bldg., Bakersfield.

Plans Being Re-Figured.

FILM LABORATORY. Cost, \$190,000
LOS ANGELES, Cal. No. 801 N-Gower Street.

Two and three-story Class A reinforced concrete film laboratory, (92x139 feet).

Owner—RKO Studios, 780 N-Gower St., Los Angeles.

Architect—Eng. Dept. of Owner.

Sub-Contracts Awarded.

MORTUARY. Cost, \$25,000
OAKLAND, Alameda Co., Cal. Telegraph and 30th Avenues.

Two-story mortuary building.
Ows—Oakland Undertaking Co., 3007 Telegraph Ave., Oakland.

Architect—Raymond De Sanno, 2584 Milvia St., Berkeley.

Contractor—J. J. Power, 633 40th St., Oakland.

Grading—J. Catucci, 1212 18th Avenue, Oakland.

Structural Steel—Moore Drydock Co., foot of Adeline St., Oakland.

Millwork and Lumber—T. P. Hogan Lumber Co., 2nd and Alice Sts., Oakland.

Concrete Work—J. H. Fitzmaurice, 354 Hobart St., Oakland.

Wiring—Paramount Electric Co., 4216 Telegraph Ave., Oakland.

Plumbing & Heating—Scott Co., 10th St., Oakland.

Roofing—General Roofing Co., 3985 Beach St., Oakland.

Plastering—Cronin & O'Connor, 883 31st St., Oakland.

Sub-Contracts Awarded.

TRACK. Cont. price, \$239,775
BERKLEY, Alameda Co., Cal. University Campus, Fulton Street and Bancroft Way.

Reinforced concrete track Stadium Bowl (to seat approx. 20,000).

Owner—University of California.

Architect—Warren C. Perry, 260 California St., San Francisco.

Contractor—C. Dudley DeVelbiss, 369 Pine St., San Francisco.

Work involves two bleacher structures of reinforced concrete, team quarters, lockers and showers, toilet rooms, telephone and radio accommodations.

Excavation—J. Catucci, 1212 18th Ave. Oakland.

Lumber—E. K. Wood Lbr Co., Frederick and King Sts., Oakland.

Reinforcing Steel—Gunn, Carle & Co., 354 Hobart St., Oakland.

Plumbing—J. A. Fazio, 402 Castro St., Oakland.

MISCELLANEOUS SUPPLIES AND MATERIALS

SAN FRANCISCO.—Until August 10, 3 P. M., under Proposal No. 741, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish lined oil, shellac, turpentine, lead, litharge, mineral brown and putty as may be required by the city from time to time during the tri-annual term commencing Sept. 1 and ending Dec. 31, 1931. Specifications obtainable from above office.

SAN FRANCISCO.—Following contracts awarded by Leonard S. Leavy, city purchasing agent, under Proposal No. 736, to furnish and deliver hard and soft lumber for School Dept.:

Item No. 1—(a) Lot of soft wood for Industrial Arts Dept. for \$1694; Van Arsdale-Harris Lbr. Co.

Item No. 1—(b) lot of hardwood for Industrial Arts Dept., for \$1296; Forsyth Hardwood Co.

Item No. 2—Lot of mixed lumber for special classes, for \$297; Van Arsdale-Harris Lbr. Co.

Item No. 3—Lot of Douglas fir for Polytechnic High School, for \$1270; Van Arsdale-Harris Lbr. Co.

Item No. 4—Lot of mixed lumber for Balboa High School, for \$65; Sugar Pine Lbr. Co.

Item No. 5—Lot of mixed lumber, for Mission High School, for Pine Lbr. Co.

SAN FRANCISCO.—Dodge - Koren Paint Co., 2095 San Bruno Avenue, at \$80 per gallon, submitted low bid to city purchasing agent, under Proposal No. 742 to furnish and deliver 1,000 gallons of cement paint for use of the Park Commission on the Kezar Stadium. Other bids, all taken under advisement, were: Sherwin-Williams Co. \$81; W. P. Fuller & Co., \$97, and General Paint Corp., \$1.65. The last three named bidders do not furnish a guarantee.

ALAMEDA. Alameda Co., Cal.—Until July 27, 8 A. M., bids will be received by the Board of Public Utilities, 2440 Santa Clara Ave., for the purchase of 20 tons of scrap iron, more or less, now stored at the Park Street Sub-station, 920 Park St. Certified check 10% required with bid. Further information obtainable from the above office.

Engineering News Section

BRIDGES

OAKLAND, Calif.—P. L. Burr, 320 Market St., San Francisco, at \$6,985 awarded contract by county supervisors to construct reinforced concrete multiple box culvert on the Alvarado-Centerville road. Complete list of bids follows:

P. L. Burr	\$6,985
J. B. Petersen	7,215
J. P. Lawlor	7,391
C. A. Bruce and Son	7,610
J. H. Fitzmaurice	7,659
George Owens	7,778
Jacobs & Pattiani	9,968
	20

SHASTA COUNTY, Cal.—Until Aug. 4, 2 P. M., bids will be received by H. S. Comly, district engineer, State Highway Commission, Redding, to construct a structural steel and timber sidewalk on a bridge across Castle Creek near Castella, approximately 120 ft. long and 5 ft. wide, with timber bulkheads and widened approaches.

SAN JOSE, Santa Clara Co., Cal.—Until August 10, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to construct reinforced concrete bridge and a culvert on the Hecker Highway in Supervisor District No. 1. Certified check 10% payable to clerk required with bid. Plans obtainable from County Surveyor Robt. Chandler on payment of \$1.

SAN JOSE, Santa Clara Co., Cal.—Until August 10, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to construct three reinforced concrete culverts on Madrone Ave., Orchard Ave. and Palm Ave. in Supervisor District No. 1. Certified check 10% payable to clerk required with bid. Plans obtainable from County Surveyor Robt. Chandler on payment of \$1.

SHASTA COUNTY, Calif.—Rufus Bean, Clipper Mills, Calif., at \$15,358 awarded contract by State Highway Commission to construct timber bridge across Seaman's Gulch about 23 miles east of Redding, consisting of twenty-two 19-ft. spans on frame bents with concrete pedestals.

MODESTO, Stanislaus Co., Calif.—County supervisors adopt resolution setting forth their intention to construct a new bridge over Dry Creek providing the work may be undertaken without increasing the county road tax and with the further provision that the city of Modesto pay the cost of the western approaches. The structure would connect 19th St. with the Waterford Road at Covena Ave. The county share of the cost is estimated at \$12,000.

SACRAMENTO, Cal.—M. R. Petersen, 1160 O St., Sacramento, at \$4,687.38 awarded contract by county supervisors on Proposition (a) creosoted Douglas Fir to construct wooden bridge on Swanston Road over Chicken Ranch Slough. Complete list of bids received on this project published in issue of June 27.

SAN FRANCISCO — Final action with regard to awards of contract and rejection of bids on the Golden Gate Bridge project were announced yesterday by W. W. Felt, Secretary of the Golden Gate Bridge and Highway District. It was previously announced that all contracts, with the exception of cement, were awarded to the low bidders on each unit of the project. This announcement was based upon the recommendations of the Building Committee of the District.

After final consideration of the bids the following action was taken, pending satisfactory disposal of the bonds to finance the project. It being understood that the successful bidders will enter into a six-month agreement to stand by their bids made on June 17:

CONTRACTS AWARDED

Contract 1-A—Steel superstructure, McClintic-Marshall Co., 2050 Bryant St., San Francisco, \$10,494,000.

Contract 1-B—Cable, Suspenders and Accessories, American Cable Co., 425 Second St., San Francisco, \$6,255,767.

Contract 2—Main Piers, Pacific Bridge Corp., East Water and Salmon Sts., Portland, Ore., \$2,250,000.

Contract 3—Anchorages, Barrett & Hilt, 918 Harrison St., San Francisco, \$1,645,841.

Contract 4—San Francisco and Marin Approach Spans, Columbia Steel Co., Russ Bldg., San Francisco, \$996,000.

Contract 6—Sausalito Road, Granfield, Farrar & Carlin, 67 Hoff Ave., San Francisco, \$7,586.

Contract 8—Electric Work, Alta Electric Co., 938 Howard St., San Francisco, \$142,460.

BIDS REJECTED

Contract 5—Construction of Presidio Road—Barrett & Hilt, 918 Harrison St., San Francisco, were low bidders on this unit at \$96,180.

Contract 7—Paving Main Approach Spans—Barrett & Hilt, 918 Harrison St., San Francisco, were low bidders at \$345,000.

Contract 9—Cable House and Toll Terminals, Barrett & Hilt, 918 Harrison St., San Francisco, were only bidders on this unit at \$71,430. New bids will be asked on the above three units.

Contract 10—100,000 barrels Portland cement, f. o. b. San Francisco—Five identical bids received from cement companies rejected and material will be purchased in the open market as required.

NOTE—Under Contract 8, covering the electrical work, the Progressive Signal & Lighting Company of Los Angeles, was low bidder at \$132,495. This bid, however, was rejected due to the fact that the company obtained specifications for bidding "thru some devious method" and did not obtain a contractor's license (required by the state law) until after submission of the bid.

DREDGING, HARBOR WORKS & EXCAVATIONS

SACRAMENTO, Calif.—Trustees of the American River Flood Control District set Sept. 15 as the date to vote bonds of \$600,000 to finance flood control improvements on both sides of the river along the Sacramento and North Sacramento boundaries.

IRRIGATION PROJECTS

ELLENSBURG, Wash.—Until 10 A. M., Aug. 21, bids will be received by the U. S. Bureau of Reclamation, Ellensburg, Wash., for the construction of earthwork and structures on the North Branch Canal Lateral System; Wippen Pump, Gravity and Turbine Laterals, Kittitas division, Yakima project, Washington. The work is located near Kittitas and Theall, Wash. The principal items and the estimated quantities involved are as follows:

- (1) 428,600 cu. yds. of all classes of excavation;
- (2) 11,100 cu. yds. of backfill about structures;
- (3) 1770 cu. yds. of concrete;
- (4) 1050 sq. yds. of dry rock paving;
- (5) placing 116,500 lbs. of cement, masonry;
- (6) laying 7378 lin. ft. of 12- to 54-in. precast concrete pipe;
- (7) furnishing and erecting 74 M. ft. b. m. timbering in bridges and flumes; and
- (8) installing 30,600 lbs. of gates and gate lifts.

This invitation for bids does not cover the purchase of materials which are to be furnished by the Government. Materials to be furnished by the contractor, and those furnished by the Government are described in Spec. No. 625 which will be a part of the contract.

Plans may be obtained by bona fide bidders without charge; others will be required to pay \$2.75 each set. Proposal guarantee, 10%. P. W. Dent, Acting Commissioner.

STREET LIGHTING SYSTEMS

BURLINGAME, San Mateo Co., Cal.—Property owners have started proceedings to circulate petitions urging city council to install ornamental street lighting system in California Dr. between Broadway and Burlingame Avenues.

BERKELEY, Alameda Co., Cal.—College Avenue Commercial Association has appointed committee to confer with City Engineer Harry Goodridge to determine cost of installation of an electroliner system in the College Avenue business district.

MACHINERY AND EQUIPMENT

SANTA MARIA, Santa Barbara Co., Cal.—Until Aug. 3, 7:30 P. M., bids will be received by Flora A. Rivers, city clerk, to furnish one 1½-ton truck chassis, including enclosed cab. Bids to be on alternate proposals with truck equipped with single wheels on rear and dual installation on rear. The truck is to have not less than 130-inch wheel base and be capable of a speed of not less than 30 miles per hour and equipped with a power take-off from transmission.

Bids will also be received at the same time for one 4-door sedan equipped with extra tire, bumpers, front and rear. Bidders shall state allowance on Dodge sedan.

OAKDALE, Stanislaus Co., Cal.—Until August 6, 3 P. M., bids will be received by E. M. Kimball, Clerk, Oakdale Union High School District,

to furnish school bus complete; separate bids will be considered for the chassis or body. Seating capacity 30 students. Bids will also be considered for a light delivery truck with removable seats suitable to carry 14 students. Specifications and further information obtainable from J. O. Gossett, principal at the high school.

FRESNO COUNTY, Cal.—Until July 29, 2 P. M., bids will be received by R. J. Carlisle, Supt. of Equipment, Shop No. 6, State Highway Commission, 645 W. Olive St., Fresno, for the purchase of the following equipment, no longer required:

One 850-gallon Studebaker Sprinkler Wagon Tank;

One Solar Blue Print Frame complete with plate glass 29x42-inches with felt;

CHC 49 TelSmith 8-A Gytratory Primary Crusher;

Two 2-room houses located 30 miles west of Lost Hills on the Cholame lateral Ker-33-A, dimensions 10x 20-ft.;

One Novo 3-hp. Portable Gas Engine; CHC 21 Model Y.K. Blue Streak Portable Gas Drag Saw;

CHC-144 Ingersoll-Rand R-39 Drill. CHC 145 and 146 Ingersoll-Rand S-49 Drills.

Bidders may make offers for one or more items but must state price offered for each item. No lump sum bids will be considered.

All equipment may be inspected at the Division of Highways Yards at 645 W. Olive Ave., Fresno, from 8:30 A. M. to 4:30 P. M. on any work day.

RICHMOND, Contra Costa Co., Cal.—Curry Auto Sales Co., Richmond, at \$4,800 awarded contract by Richmond Union High School District to furnish one 3-ton White bus chassis for school bus. Eagle Body Co., at \$1,850 awarded contract to furnish bus body for same.

YUBA CITY, Sutter Co., Cal.—Until August 1, 7 P. M., bids will be received by J. M. Nelson Jr., Clerk, Barry Union School District, to furnish school bus; capacity of from 42 to 50 grammar school pupils with body arrangement according to plans on file in office of the clerk; same to be mounted upon either a Ford or Chevrolet chassis. Allowance is to be made for a Graham Bus, Model 1925, engine No. A.460-031, no longer required by the district. Certified check 10% required with bid. Further information obtainable from clerk at R. F. D. No. 3, Box 149, Yuba City.

SANTA MARIA, Santa Barbara Co., Cal.—Until July 30, 7 P. M., bids will be received by R. Wilson, clerk, Blochman Union School District, to furnish one school bus. Specifications and further information obtainable from clerk.

OAKLAND, Cal.—Until August 4, 5:30 P. M., bids will be received by John H. Kimball, Secretary, East Bay Municipal Utility District, 512 Sixteenth St., to furnish one two-cylinder portable air compressor, direct connected to four cylinder heavy duty gasoline engine, under Proposal No. 335. Specifications obtainable from secretary.

RAILROADS

KLAMATH FALLS, Ore.—Hauser Const. Co., Multnomah Hotel, Portland has been awarded the contract by the Great Northern Railroad Co. for the construction of the first unit of the company's railway project between Klamath Falls, Ore., and 12 miles south of Bend, Ore. The project is estimated to cost in excess of \$1,000,000.

FIRE EQUIPMENT

SAN MATEO, San Mateo Co., Cal.—Until August 3, 8 P. M., bids will be received by E. W. Foster, city clerk, to furnish pumping engine for Fire Department. Certified check 10% required with bid. Specifications on file in office of city clerk and city manager.

HAYWARD, Alameda Co., Cal.—Hayward Federated Improvement Clubs will purchase motor fire fighting apparatus at a cost of \$2500. To be equipped with 400 ft. 1½-in. fire hose, 300-gallon water tank with booster pump, extension ladders, etc.

RESERVOIRS AND DAMS

SAN FRANCISCO—Barrett & Hip, 918 Harrison St., at \$54,596 awarded contract by Board of Public Works to construct Upper Alameda Creek Dam located on the Upper Alameda Creek, 10-miles southeast of Sunol. Complete list of unit and total bids received on this project published in issue of July 16.

PIPE LINES, WELLS, ETC.

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy has prepared comparative estimates of cost of the two alternative emergency pipe lines to bring Hetch Hetchy water from Tesla portal end of the San Joaquin valley pipe line to a connection with the viaducts leading into the Spring Valley lakes.

According to the two sets of plans the comparative costs and other details are as follows:

Thomas shaft plan—Involves use of completed section of Coast range tunnel from Tesla portal to the shaft and pumping of water to surface with a pipeline to the West Alameda portal, where the connection across the bay is made—length 25.9 miles; with capacity of 30,000,000 gallons, net cost of construction and operation after allowing salvage when discarded, \$1,559,000. On 45,000,000-gallon basis, cost will be \$1,970,000.

Altamont Pass plan connects directly at Tesla portal end of San Joaquin pipeline and carries water over the pass and down to West Alameda portal, length, 39.8 miles; cost for 30,000,000 gallons line, \$1,789,000; 45,000,000 gallons, \$2,059,000, and 60,000,000 gallons, \$2,382,000.

VALLEJO, Solano Co., Calif.—City council declares intention (174) to improve Arkansas St. bet. Sutter and Madera Sts., involving 8-in. and 10-in. vitrified main sewers; 6- by 4-in. wye branches. Bond Act 1915, Imp. Act 1911. Hearing July 24. Alf. E. Edgumbe, city clerk. T. D. Kilkenny, city engineer.

FOWLIER, Fresno Co., Cal.—E. L. Greenwald, Elm Ave., Fowler, at \$135 ft. for 200-ft. awarded contract by city trustees to drill well for water system. Western Pipe & Steel Co., awarded contract to furnish pipe in connection therewith.

SANTA CRUZ, Santa Cruz Co., Cal.—S. C. Marcus, 118 Wall St., Watsonville, at approximately \$22,500 submitted low bid to city council to drill wells at the Crossing Street Pumping plant in connection with the municipal water system. Roscoe Moss Co. only other bidders at approximately \$30,000. Taken under advisement.

SEWERS AND SEWAGE DISPOSAL PLANTS

LAS VEGAS, Nev.—W. L. Benham, consulting engineer, has announced that a new election to vote on a sewer bond issue may be held in the near future. The proposed work which will cost about \$150,000, will include a modern disposal plant and collection system. The laterals will be built by special assessment.

ARCATA, Humboldt Co., Cal.—City council contemplates extensions to sewer system in eastern section of the city. Surveys are now being made and a report will be submitted shortly. Lester A. Johnson, city clerk.

SAN FRANCISCO—Bureau of Engineering, Department of Public Works, is preparing plans for reinforced concrete sewer in Ingalls St. from Bancroft to Yosemite Avenues. Bids will be asked shortly.

WATER WORKS

LOS ANGELES, Calif.—Until 11 A. M., July 28, bids will be received by the Los Angeles city purchasing agent Thomas Oughen, for filtration system in connection with the swimming pools and grandstand to be erected at Exposition Park for the Olympic Games to be held in 1932. Plans may be had at the office of the Los Angeles Playground and Recreation Department, 305 City Hall.

YAKIMA, Wash.—Until August 17, 2 P. M., under Specifications No. 524, bids will be received by the U. S. Bureau of Reclamation, Denver, Colorado, to furnish and deliver f.o.b. cars at the factory shipping point, two direct pumping units for the Wipfel pumping plant, Kittitas division, Yakima project, Washington. Each pumping unit shall consist of a horizontal shaft, spiral scroll case type turbine, direct-connected by means of a flexible flanged coupling to a double suction centrifugal pump. Each unit shall have a pump capacity of not less than 25 second-feet when operating under a total pumping head of 136.8 feet with an effective power head of 83 feet and when using not to exceed 65 second-feet of power water. All apparatus will be installed by the Government. For particulars, address Bureau of Reclamation, Ellensburg, Washington; Denver, Colorado; or Washington, D. C.

SAN FRANCISCO—Until August 13 11 A. M., bids will be received by the Constructing Quartermaster, Ft. Mason, to extend water mains in connection with the new non-commissioned officers' quarters at the Presidio. Specifications obtainable from above.

OAKLAND, Calif.—Following contracts awarded by East Bay Municipal Utility District to furnish and deliver cast iron pipe for distribution system:

R. D. Wood Co., Philadelphia, Pa., 25,000 ft. 8-in. c. i. pipe, \$16,975.

U. S. Pipe and Foundry Co., San Francisco, 50,000 ft. 6-in. c. i. pipe, \$24,375.

Pacific States C. I. Pipe Co., San Francisco, 80,000 ft. 4-in. c. i. pipe, \$26,000.

Pacific States C. I. Pipe Co., San Francisco, 20,000 2-in. c. i. pipe, \$3,800. Complete list of unit bids published in issue of July 11.

OAKLAND, Calif.—State Electric Supply, Ltd., 241 16th St., Oakland, awarded contract by East Bay Municipal Utility District, to construct

and furnish f.o.b. 22nd and Adeline Sts., Oakland, valve operating mechanisms for the Lafayette and Walnut Creek Pumping Plants; 3 units, 32-in. \$1,461.90; 48-in. \$547.30.

OAKLAND, Cal.—Atlas Equipment Co., 507 Chestnut St., Oakland, submitted lowest bid to East Bay Municipal Utility District to construct and furnish f.o.b. 22nd and Adeline Sts., Oakland, three pumping units for the Castro Valley Booster:

- (1) 2 pumps, 225-gal. capacity, 330-ft. head.
- (2) 1 pump, 125-gal. capacity, 310-ft. head.

Following is complete list of bids: Atlas Equipment Co., Oakland (1) \$1079 (2) \$379.
Worthington Machinery Co., S. F., (1) \$1098.75 (2) \$360.90.
Simmons Machinery Co., S. F. (1) \$1118 (2) \$430.
Byron Jackson Pump Co., S. F., (1) \$1186 (2) \$434.
United Iron Works, Oakland, (1) \$1230 (2) \$556.
Water Works Supply Co., S. F., (1) \$1296 (2) \$573.
Pelton Water Wheel Co., S. F., (1) \$1308 (2) \$541.
Western Engineering Co., S. F. (1) \$1300 (2) \$700.
Allis-Chalmers Mfg. Co., S. F., (1) \$1816 (2) \$765.
Bids held under advisement.

OAKLAND, Cal.—Following bids received July 17 by the East Bay Municipal Utility District to furnish and erect:

- (a) 220,000 gallon steel storage tank;
 - (b) 60,000 gallon steel storage tank;
 - (c) Total for two tanks.
- Steel Tank & Pipe Co., 1100 4th St., Berkeley, welded tank (a) \$3750 & \$1710 (c) \$5460. If General Paint Corp. Bitumastic Primer is used (a) \$3550 (b) \$1660 (c) \$5210.
Berkeley Steel Const. Co., Berkeley riveted tank (a) \$3990 (b) \$2104 (c) \$6094. If General Paint Corp. material is used (a) \$3800 (b) \$2050 (c) \$5850.
For welded tank (a) \$3583 (b) \$1874 (c) \$5462. If General Paint Corp. material is used, (a) \$3398 (b) \$1820 (c) \$5218.

California Steel Products Co., San Francisco, riveted tank (a) \$3947 (b) \$1748 (c) \$5695. If Biturine Enamel is used (a) \$3748 (b) \$1693 (c) \$5441.

Boiler Tank & Pipe Co., Oakland riveted tank, If General Paint Corp. material is used (a) \$4940 (b) \$2090 (c) \$6130.

Taken under advisement.

SAN FRANCISCO.—Following contracts awarded by Leonard S. Leavy, city purchasing agent, under Proposal No. 732, to furnish and deliver cast iron pipe for Municipal Water Dept.: Bell and Spigot type (made in U. S. A.) on standard specifications of the United States Pipe and Foundry Company for Class 150 de Lavaud centrifugal cast iron pipe. Delivery: F.o.b. San Francisco on docks or on cars. Time of Delivery: Delivery to be completed by Sept. 1, 1931.

TO NATIONAL CAST IRON PIPE CO.:

12- or 18-ft. lengths.
Item No. 1—10,000 ft. 4-in. at \$0.33 per lin. ft.
Item No. 2—50,000 ft. 6-in., at \$0.455 per lin. ft.

TO UNITED STATES PIPE AND FOUNDRY CO.:

12- or 18-ft. lengths.
Item No. 3—40,000 ft. size 8-in. at \$0.6125 per lin. ft.
Item No. 4—50,000 ft. size 12-in. at \$1.078 per lin. ft.

OAKLAND, Calif.—U. S. Pipe and Foundry Co., Monadnock Bldg., San Francisco, at \$27,444 awarded contract

by East Bay Municipal Utility District to furnish and deliver 12,000 ft. of cast iron pipe, 16-in. diameter.

STREETS AND HIGHWAYS

MONTEREY COUNTY, Cal.—(Until August 4, 2 P. M., bids will be received by L. H. Gibson, district engineer, State Highway Commission, Bank of Italy Bldg., San Luis Obispo, to grade and surface with crusher run base and a bituminous surface treatment applied, a connection from the State Highway to the country road at the Spence Underpass. Specifications obtainable from above.

MARTINEZ, Contra Costa Co., Cal.—(Until August 17, bids will be received by county supervisors to pave two roads near Lafayette, one from Moraga to St. Mary's College, a distance of 4,680 ft., and another towards Lafayette, for a distance of 6,860 ft. Estimated cost, \$6,350. Specifications obtainable from R. R. Arnold, county surveyor.

SAN RAFAEL, Marin Co., Cal.—P. S. Harless, San Rafael, at \$8,834.10 awarded contract by county supervisors to improve various streets in the Kentfield District, involving: 1329 cu. yds. sidewalk excavation; 1450 cu. yds. borrow; 8510 lin. ft. combined curb and gutter; 2090 sq. ft. sidewalk; 31,960 sq. ft. crushed rock sidewalk; 7 catchbasins complete with frames and gratings; 2 catchbasins reconstructed with frames and gratings; 91 lin. ft. 12-in. corrugated iron pipe; 50 lin. ft. 15-in. corrugated iron pipe. Complete list of bids follows:

P. S. Harless.....	\$8,834
John Carcano.....	3,258
F. J. Main.....	3,300
Louis Lamberti.....	5,613
V. Maggioli.....	5,537

SAN FRANCISCO.—Board of Park Commissioners rescinded call for Park (set for opening July 22) for resurfacing of Golden Gate Park Stadium race track with four inches of clay, with turns banked one inch rise to the foot, the consistency and quality of the clay to be used in this work to be approved by the Park Commission.

New plans are being prepared and bids will be asked within 30 days by the Board of Public Works.

HUMBOLDT COUNTY, Calif.—Following three low bids received July 22 by State Highway Commission to improve highway between South Scotia Bridge and Fortuna, involving 10.2 miles grading; 1.5 miles to be surfaced with bituminous treated crushed gravel or stone and 8.7 miles to be widened with bituminous treated crushed gravel or stone borders: Hemstreet & Bell, Marysville.....\$118,323
W. H. Hauser, Oakland.....147,096
Healy-Tibbitts Const. Co., San Francisco.....149,294

PALEO ALTO, Santa Clara Co., Cal.—(Until August 10, 8 P. M., bids will be received by E. L. Beach, city clerk, (2886) to improve portions of Alameda and Cedar Streets, Channing, Grant, and Barker and Hopkins Aves., Marlowe St., Palo Alto Ave., Pine St. and Ruthven Ave., involving:
236,455 sq. ft. grading;
213,283 sq. ft. 6-in. concrete paving;
9,600 lin. ft. concrete curb;
13,465 sq. ft. cement sidewalk;
1,645 sq. ft. sidewalk and corners;
2,727 sq. ft. sidewalk driveways;
35 sewer connections;
36 ¾-in. water service connections;
90 lin. ft. 6-in. vitrified sewer;
30 lin. ft. 8-in. do;
28 lin. ft. 10-in. conc. or vit. sewer;
110 lin. ft. 12-in. do;
90 lin. ft. 15-in. do;
8 manholes;
4 catchbasins;
70 lin. ft. 10-in. corr. culvert.

1911 Act. Certified check 10% payable to city required with bid. Plans obtainable from J. F. Byrbee, city engineer.

BUTTE COUNTY, Calif.—Following three low bids received July 22 by the State Highway Commission to widen with bituminous treated crushed gravel or stone borders, 6.6 miles between Shasta Union School and six miles north:

United Contracting Co., Stock Exchange Bldg., Portland.....\$26,952
Harms Bros., Galt.....27,930
A. Teichert & Son, Sacramento.....28,992

LAKE-COLUSA COUNTIES, Cal.—Following three low bids received July 22 by State Highway Commission to surface with gravel base, 12.3 miles between Abbott Mine and 12 miles west of Williams:

Fredrickson and Watson and Fredrickson Bros., 354 Hobart St., Oakland.....\$50,905
Force Const. Co., Piedmont.....55,122
A. Teichert & Son, Inc., Sacto.....56,909

OROVILLE, Butte Co., Cal.—County supervisors reject bids to furnish 35,000 tons of crushed rock, sand and gravel for use on county highways and the materials will be purchased in the open market.

SAN FRANCISCO.—Bureau of Engineering, Dept. of Public Works, completes specifications to improve Orizaba Avenue between Stanley St. and Alemany Blvd.; estimated cost, \$3500. Project involves:
(1) 653 lin. ft. unarmored conc. curb;
(2) 3 brick catchbasins;
(3) 20 lin. ft. 12-in. V.C.P. side sewers;
(4) 230 sq. ft. 1-conc. catchbasin concrete walks;
(5) 30 lin. ft. 6-in. V.C.P. side sewers;
(6) 10,000 sq. ft. asphalt concrete base;
(7) 2-in. asphalt concrete surface on 6-in. class F concrete base.

DO NOT RISK AN EXPERIMENT

SPECIFY -- USE

Timpie Hydrated Lime

STRONG—PURE—PLASTIC

Ten Years of Uniformly Satisfactory Experience in High

Class Pacific Coast Construction

FOR BRICK MORTAR, WHITE COAT AND SAND FLOAT FINISH

Sold by Representative Dealers Everywhere

DEL NORTE COUNTY, Calif.—Following three low bids received July 22 by State Highway Commission to grade and surface with untreated crushed gravel or stone, 5.1 miles between Crescent City and $\frac{1}{2}$ mile east of Elk Valley:

Healy - Tibbitts Const. Co., 64
Pine St., San Francisco.....\$113,963
Interstate Cont. Co., Portland,
Oregon.....115,297
Kennedy Const. Co., Oakland.....115,781

SANTA BARBARA COUNTY, Calif.—Following three low bids received by State Highway Commission to construct crusher run borders on 9.6 miles between Gaviota Canyon and Tecolote Creek:

Gist & Bell, Arcadia.....\$29,425
Granite Con. Co., Watsonville.....30,469
Santa Maria Con. Co., Santa
Maria.....30,885

SAN FRANCISCO—Bureau of Engineering, Department of Public Works, completes specifications to improve Cayuga Avenue between S Juan and Santa Ynez Ave. Estimated cost, \$5,000. Project involves:

- (1) 2500 cu. yds. embankment;
- (2) 886 lin. ft. armored conc. curb;
- (3) 375 lin. ft. 6-in. V.C.P. side sewers
- (4) 13,300 sq. ft. asph. conc. pave-
2-in. asph. conc. surface on 6-in.
class F concrete base.

OROVILLE, Butte Co., Cal.—No bids received by county supervisors for maintenance of four main trunk and secondary county roads. The work will be performed by County Engineer J. A. Bungarner with county forces.

OROVILLE, Butte Co., Cal.—Following bids taken under advisement by county supervisors to furnish 35,000 tons crushed rock, sand and gravel for road repairs:

Bechtel-Kaiser Co., Oroville, Schedule A, \$31,760; Schedule B, \$5787.50.
Pacific Coast Aggregates, Inc. (A) \$31,760; (B) \$3290.
Johnston Rock Co., Chico (A) \$31,700; (B) \$3634.

NAPA, Napa Co., Calif.—Until July 30, 10 A. M., bids will be received by James A. Daly, county clerk, for placing cut-back asphaltic wearing surface on Pratt Avenue from the paved highway to Napa river and from Calistoga to Myrtedale Hot Springs. Certified check 10% payable to the Chairman of the Board of Supervisors required with bid. Plans on file in office of clerk.

CHURCHILL COUNTY, Nev.—Jack Casson, Hayward, at \$24,151.33 awarded contract by State Highway Commission for furnishing heating and applying asphaltic fuel oil and mixing it with a crushed rock or crushed gravel surface on a portion of the state highway system, located in Churchill County, from 5 miles north of Fallon to Salt Wells, Route 2, Sections C-4 and C-2, a length of 10.13 miles, involving: 237,807 gals. asphaltic fuel oil applied to roadway surface; 10.13 miles mixing asphaltic fuel oil with crushed rock or crushed gravel surface; 10.13 miles rebuilding and finishing shoulders. The oil shall be delivered at the following railway siding and in the quantity shown: Fallon 237,807 gals. Average haul on entire contract, 11.56 miles. Dodge Bros., Fallon, at \$24,508.40 were next low bidders.

LYON COUNTY, Nev.—Dodge Bros. Fallon, Nev., at \$27,237 awarded contract by State Highway Commission for furnishing and applying cut-back asphalt and mixing is with a crushed rock or crushed gravel surface on a

portion of the state highway system, located in Lyon County, from 5 miles north of Fernley to the Lyon and Churchill county line, Route 1, Sec. B, a length of 8.61 miles, involving: 202,000 gals. cutback asphalt applied to roadway surface; 8.61 miles mixing asphalt with crushed rock or crushed gravel surface; 8.61 miles rebuilding and finishing shoulders. The asphalt shall be delivered at the following railway siding and in the quantity shown: Fernley, 202,000 gals.; average haul on entire contract, 10.99 miles. Nevada Rock and Sand Co., Reno, Nevada, and Basalt Rock Co., Napa, Calif., submitted identical bids at \$27,816.50.

BERKELEY, Alameda Co., Calif.—Oakland Paving Co., 5000 Broadway, Oakland, at \$21,174.68 submitted low bid to Regents of the University of California, Berkeley, for widening Fulton Street and Bancroft Way on the Campus. Work involves grading, paving and sidewalks.

Following is a complete list of bids: Oakland Paving Co., Oakland.....\$21,174
Hutchinson Co., Oakland.....27,659
W. J. Schmidt, Berkeley.....28,550

Award may be made July 21st at a special meeting of the Regents.

WALNUT CREEK, Contra Costa Co., Cal.—Until August 5, 8 P. M., bids will be received by Esther Hatfield, town clerk, for grading and paving with oil macadam and constructing culverts in Oakland Blvd. from Lafayette Blvd. to a point 150-ft. west of the S. F.-Sacramento Ry. tracks, etc. Estimated cost, \$4000. Certified check 10% payable to town clerk required with bid. Plans on file in office of clerk.

OAKLAND, Cal.—Until July 23, 8:30 P. M., bids will be received by W. W. Chappell, acting city clerk, to improve portions of Hopkins Place southeast of Coolidge Ave. and a portion of Hopkins St. adjacent thereto. Bond in one-half of the contract price will be required of the successful bidder. Specifications on file in office of clerk. Walter N. Frickstad, city engineer.

SANTA BARBARA COUNTY, Cal.—Until July 30, 2 P. M., bids will be received by L. H. Gibson, district engineer, State Highway Commission, Bank of Italy Bldg., San Luis Obispo, to treat with heavy fuel oil on each side of existing highway, 6.1 miles in length, in Santa Barbara County between Gaviota Pass and Zaca. Specifications obtainable from district engineer.

RED BLUFF, Tehama Co., Calif.—Hemstreet & Bell, Marysville, at \$8,946.50 awarded contract by the Directors of Joint Highway District No. 18 to construct the first unit of the road from Proberta to Los Molinas,

being that section between Gerber and Los Molinas, a distance of four miles, 20-ft. wide. Armor type of asphaltic oil surfacing is specified. Complete list of bids follows:

Hemstreet & Bell.....\$8,946
A. Teichert & Son, Sacramento, 9,172
Independent Const. Co., Sacto.....9,230

SAN FRANCISCO—Hanrahan Co., Hobart Bldg., at \$75,699 awarded contract by Board of Public Works to improve Alemany Blvd., Section C, from Seneca to Naglee Aves. Unit bids published in issue of July 16.

AMADOR COUNTY, Cal.—Until August 3, 2 P. M., bids will be received by R. E. Pierce, district engineer, State Highway Commission, 502 State Office Bldg., Sacramento, for treating with fuel oil, 4.3 miles between Amador City and Martell.

OAKLAND, Cal.—Until July 23, 8:30 P. M., bids will be received by W. W. Chappell, acting city clerk, to improve portions of Brann St. and 64th Ave., involving:

- (1) 2,038 cu. yds. excavation;
- (2) 1,344 lin. ft. concrete curb;
- (3) 2,871 sq. ft. concrete gutter;
- (4) 22,327 sq. ft. penetration macadam pavement;
- (5) 5,047 sq. ft. cement sidewalk;
- (6) 448 lin. ft. 18-in. plain concrete pipe conduits;
- (7) 67 lin. ft. 12-in. do;
- (8) 2 storm water inlets (Type A);
- (9) 1 storm water inlet (21-in. opening);
- (10) 1 manhole with inlet top (21-in. opening);
- (11) 1 12-in. lamphole.

1911 Act. City will pay $\frac{9}{16}$ of the total cost from the General Fund. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Walter N. Frickstad, city engineer.

SAN FRANCISCO—H. R. Love, 4354 20th St., at \$962.50 awarded contract by Board of Public Works to improve Junipero Serra Blvd. adjacent to Stanley St. Unit bids published in issue of July 16th.

SAN LUIS OBISPO COUNTY, Cal.—Until July 31, 2 P. M., bids will be received by L. H. Gibson, district engineer, State Highway Commission, Bank of Italy Bldg., San Luis Obispo, for oil treating existing shoulders on 11.53 miles between Paso Robles and Estrella. Spec. obtainable from the above.

SAN JOSE, Santa Clara Co., Cal.—City council declares intention (5410) to construct reinforced concrete pedestrian subway under Park Avenue at Randol Ave. Project will be financed under the 1911 Act. Hearing August 10. John J. Lynch, city clerk. Wm. Popp, city engineer.

CONTRACTORS' MACHINE WORKS

SPECIALISTS ON REPAIRING AND REBUILDING OF

Bunkers, Hoppers, Chuting, Conveyors, Rollers, Mixers, Hoists, Shovels, Tractors, Pavers, Crushers, Drag Lines, Elevators, Car Unloaders, and other Road and Building Equipments;

BLACKSMITHING AND WELDING

Buidlers of Rosenberg Portable Car Unloaders

CREAR & BATES

57 Zoe St., bet. 3rd and 4th, off Brannan St.
Phone GARfield 4374

San Francisco

COLUSA COUNTY, Cal.—Capital Construction Co., Sacramento, at \$32,997 awarded contract by State Highway Commission to surface with gravel 6.6 miles between 12 ml. and 5 ml. west of Williams.

AMADOR COUNTY, Cal.—Until August 4, 2 P. M., bids will be received by R. E. Pierce, district engineer, State Highway Commission, for producing and stockpiling crushed gravel or stone, between Amador City and Martell.

YREKA, Siskiyou Co., Cal.—N. M. Ball, 1389 Yosemite Road, Berkeley, at \$32,459 awarded contract by city council to improve Center St., Lane St., intersections of Miner with Oregon and Fourth, Broadway, Gold St., portions of Main adjacent to Broadway. Project involves:

131,662 sq. ft. surface grading;
47,874 lin. ft. concrete curb and gutter;
189 lin. ft. concrete gutter;
200 lin. ft. corr. iron part circle culvert, 24-in. on concrete base;
109 lin. ft. corr. iron part circle culvert, 18-in. on concrete base;
1 concrete catchbasin, complete with frame and grate;
330 lin. ft. 15-in. dia. corr. iron pipe culvert in place;

1 concrete manhole Type C, complete with drop.

1 manhole (brick and concrete), Type B, complete;

3 manholes (brick and concrete), Type A, complete;

131,662 sq. ft. pavement, 6-7-in. hydraulic concrete with expansion joints every 50 ft. with joints in the center, all expansion joint material 1/2-in.

2500 cu. yds. excavation;

4734 lin. ft. concrete curb.

City will pay \$6150 cash; balance under 1911 Act and Bond Act 1915. S. M. McGaw, Stockton, at \$32,870, only other bidder.

BUSINESS OPPORTUNITIES

Names and addresses of persons or firms concerned in the following opportunities will be furnished on request to Business Opportunity Department, Daily Pacific Builder, 547 Mission St., San Francisco or Phone GARfield 8744, requesting the information by Index Number noted at opening of each opportunity:

21221—Groceries and General Merchandise. Tienstin, China. Established import house seeks connections with American manufacturers and exporters of canned goods, flour, honey, jam, soap, talking machines, watches, paints, linseed oil, dyes, playing cards, old newspapers, bottle capsules, labels, and other general merchandise, which they desire to purchase.

21222—Window Shells. San Francisco, Calif. Window shells, recommended as good conveyors of X and violet rays and especially adapted for sun-bath parlors, hospitals, nurseries, bathing resorts, lamps, etc. Can be furnished in the rough or in 2-in. to 3-inch squares. Samples available.

21223—Radios. Mexico, D. F. Established sales organization devoted to the distribution of radios in the Mexican Republic desires to communicate with interested radio manufacturers in San Francisco who are desirous of entering the Mexican field.

21227—Representation in Northwest and East. Oakland, Calif. Business man traveling to Northwest, British Columbia, thence East to Chicago, will represent commercial interests on route, establish agencies, or serve in any desired capacity.

21231—Ditch Digging Machinery. San Juan, Porto Rico. Large established firm wishes to contact with manufacturers of ditch digging machines.

Ditches to be made are 12 inches wide and 18 inches deep, therefore, the outfit desired would be small and not too high in price.

21233—Representation in United Kingdom and Continent. San Francisco, Calif. San Francisco exporter leaving in August for the United Kingdom and Continent will be happy to represent San Francisco manufacturers or traders.

21236—Tiles. San Francisco, Calif. A Belgian manufacturer of tiles wishes to appoint a responsible agent to handle a line of tiles in San Francisco.

21238—Radio Apparatus. Bucharest, Roumania. Party wishes to learn the names and addresses of manufacturers of radio apparatus and materials.

E. Morrison, 518 Rialto Bldg., St. Louis, Mo., represents an eastern firm seeking a San Francisco manufacturer to represent them on a commission basis, which manufacturers articles to sell to foundries, steel mills or general industrialists.

The right to call certain woods grown in the Philippine Islands "Philippine mahogany" is upheld by the Federal Trade Commission in its decision announced July 1, in the test case instituted against the Gillespie Furniture Company of Los Angeles, by the commission. Hearings in this case were held last year in Los Angeles, San Francisco, Portland, New York, Washington and other large cities throughout the country and the decision just rendered is hailed by the hardwood lumber industry, particularly on the Pacific Coast, with intense satisfaction.

Philippine mahogany is being used in increasing quantities each year by the furniture manufacturers, and the cloud thrown upon this beautiful wood by the commission's edict of five years ago seemed to the major portion of this industry entirely unwarranted, and the recent final decision is received by them with acclaim.

Philippine mahogany has been one

of the major hardwoods of commerce since introduced into this country over twenty years ago, and because of its exceptional beauty and adaptability for so many uses, met with immediate success. Besides being used largely for furniture, it is used extensively for trim in high-class residences and office buildings, and also in very large quantities in the yacht and boat-building industry.

Contrary to the general impression, the right to use the term Philippine mahogany has never been denied to the industry, with the exception of five or six firms against whom the test case was instituted about five years ago and a few others who gave up their rights to the use of the term by voluntary stipulation.

As a result of the former decision, the general public gained the impression that the term could not be used, but the decision just announced satisfactorily clarifies the situation.—Southwest Builder and Contractor.

TOLL BRIDGE-TUBE PERMIT PROTESTED

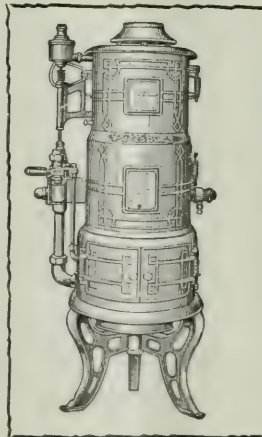
Application has been filed with the U. S. War Department for a permit to construct a combination toll bridge and tube between Point Flemming at Albany, Alameda County, and Bluff Point, northeast of Tiburon, Marin County.

T. A. Tomasini, who made the application, said "powerful Chicago interests" had pledged themselves to supply the capital for the project.

A public hearing will be held on the application before the war department board of engineers.

Opposition to the plan was framed in a resolution drawn by Jesse Colman, chairman of the public utilities committee of the San Francisco Board of Supervisors.

The resolution pointed out that the State of California has gone on record against private toll bridges, and repeatedly held that bridges operated at the expense of the public should be owned by the public.



A "Pittsburg" Automatic Water Heater installed in the Home indicates high quality throughout.

Recommended and specified by all the leading architects, plumbers and builders.

Consider the high merit of the Pittsburg coupled with "Pittsburg Perfect Service."

"Hot water quick as a wink."

Pittsburg Water Heater Co.

Makers of "Pittsburg Automatic"—"Bungalow Automatic"

Storage Systems and "Lyon" Tank Water Heaters.

309 13th Street, Oakland

478 Sutter St., San Francisco

SEND FOR CATALOGS

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
1045	Oswald	Owner	1500
1046	Raymond	Doelger	4000
1047	Bank America	Owner	1000
1048	Lindsay	Lindsay	3750
1049	Mosich	Psychogios	1150
1050	Lovett	Coburn	2000
1051	Fannucci	Pastorini	3250
1052	Barsotti	Owner	6000
1053	Heyman	Owner	7000
1054	Castle	Owner	16000
1055	McCreery	Neilsen	1500
1056	Egger	Owner	6000
1057	Hurder	Owner	3500
1058	Castle	Owner	3000
1059	McCarthy	Owner	4500
1060	Rolkin	Owner	5000
1061	Duerner	Acme	4000
1062	Janssen	Owner	12000
1063	Janssen	Owner	3000
1064	Larsen	Owner	3750
1065	Metzgar	Michel	1000
1066	Ferrari	Owner	1000
1067	Janssen	Owner	4000
1068	Smith	Owner	4000
1069	Dorr	Owner	3500
1070	Marian	Owner	125000
1071	Furey	Doelger	4000
1072	Lindquist	Owner	4000
1073	Ideal	Hjul	2000
1074	Herzig	Owner	5000
1075	Granger	Owner	3500
1076	Raymond	Lindgren	4000
1077	Drusicke	Barrett	3000
1078	Lane	Owner	2950
1079	Standard	Owner	14000

ALTERATIONS

(1045) 2830 GOLDEN GATE AVE.; alterations and additions to dwelling.
Owner—C. Oswald, 2830 Golden Gate Avenue.
Plans by Owner. \$1500

DWELLING

(1046) W 27th AVE. 100 S Rivera; one-story and basement frame dwelling.
Owner—H. E. Raymond, 840 Capp St. Plans by E. K. Dobkowitz, 425 Monterey Blvd.
Contractor—H. Doelger, 300 Judah St. \$4000

ALTERATIONS

(1047) 625 MARKET ST.; alter for partitions in office.
Owner—Bank of America, Powell and Market Sts.
Architect—H. A. Minton, 625 Market Street. \$1000

DWELLING

(1048) E CAYUGA 50 N Oneida; 1-story and basement frame dwelling.
Owner—R. T. Lindsay, 140 Duboce Avenue.
Plans by Builder.
Contractor—C. T. Lindsay, 4363 26th Street. \$3750

ALTERATIONS

(1049) 389 FOURTH ST.; alterations to lunch room.
Owner—J. Mosich and P. Agerzin, 389 Fourth St.
Architect—Not Given.
Contractor—N. D. Psychogios, 471 Jessie St. \$1150

REPAIRS

(1050) 1284 GOLDEN GATE AVE.; repair fire damage.
Owner—Mrs. M. I. Lovett, 2048 Market St.
Architect—Not Given.
Contractor—I. W. Coburn, 2048 Market Street. \$2000

DWELLING

(1051) NW COR. NEWHALL AND Bayview; one-story and basement frame dwelling.
Owners—Mr. and Mrs. L. Fannucci, 933 Vallejo St.
Architect—Not Given.
Contractor—L. Pastorini, 1438 Van Dyke St. \$3250

DWELLINGS

(1052) N INGERSON 200 E Third St. two 1-story and basement frame dwellings.
Owner—A. Barsotti, 1512 Quesada. Plans by Owner.
Contractor—A. Barsotti and W. E. Tuomisto. each \$3300

DWELLINGS

(1053) W DARTMOUTH 33 N Silver; two 1-story and basement frame dwellings.
Owner—Heyman Bros., 742 Market St. Plans by Owner. each \$3500

DWELLINGS

(1054) W PINEHURST 40 S Darien; four 1-story and basement frame dwellings.
Owner—Castle Bldg. Co., 830 Market Street.
Plans by D. E. Jaekle, 714 Call Bldg. each \$4000

REPAIRS

(1055) 540 BRANNAN ST.; repair fire damage.
Owner—McCreery Estate Co.
Architect—Not Given.
Contractor—N. F. Neilsen, 2867 Green Street. \$1500

DWELLING

(1056) S RIPLEY 90 W Alabama; 2-story and basement frame dwelling.
Owner—E. Egger, 86 Waltham St.
Architect—R. R. Irvine, 747 New Call Bldg. \$6000

DWELLING

(1057) N ARLETA 50 E Rutland; 1-story and basement frame dwelling.
Owner—J. H. Hurder, 805 Vermont.
Plans by Owner. \$3500

DWELLING

(1058) W LONDON 275 N Italy; one-story and basement frame dwelling.
Owner—Castle Bldg. Co., 830 Market Street.
Plans by D. E. Jaekle, Call Bldg. \$3000

DWELLING

(1059) S 22nd AVE. 225 N Santiago; one-story and basement frame dwelling.
Owner—J. E. McCarthy, 1342 Funston Avenue.
Plans by Owner. \$4500

GARAGE

(1060) 1349 CLAYTON ST.; one-story class B private garage for apts.
Owner—E. Rolkin, Argonaut Hotel.
Engineer—N. B. Green, 55 New Montgomery St. \$5000

DWELLING

(1061) S MORAGA 32 W 21st Ave.; one-story and basement frame dwelling.
Owner—P. B. Duerner, 301 Evergreen Avenue.
Plans by Contractor.
Contractor—Acme Const. Co., 301 Evergreen Ave. \$4000

DWELLINGS

(1062) W 27th AVE. 25 S Cabrillo; three 1-story and basement frame dwellings.
Owner—E. A. Janssen, 811 Hearst Building.
Architect—Not Given. \$4000 each

DWELLING

(1063) N LOMBARD 87 W Baker St.; one-story and basement frame dwelling.
Owner—E. A. Janssen, 811 Hearst Building.
Architect—Not Given. \$3000

DWELLING

(1064) N CHENERY 35 E Castro; 1-story and basement frame dwelling.
Owner—A. R. Larsen, 4020 24th St.
Architect—Not Given. \$3750

SERVICE STATION

(1065) NW COR. SEVENTH AVE. and Geary St.; three 1-story steel frame service station buildings.
Owner—F. Metzgar, % builder.
Plans by Builder.
Contractor—Michael & Pfeffer Iron Works, 1415 Harrison St. \$1000

ALTERATIONS

(1066) 719 CHESTNUT ST.; alterations to garage.
Owner—P. Ferrari, 719 Chestnut St.
Architect—I. Zanolini, 604 Montgomery Street. \$1000

DWELLING

(1067) N NORTH POINT 100 West Buchanan St.; 1-story and basement frame dwelling.
Owner—E. A. Janssen, 811 Hearst Building.
Architect—Not Given. \$4000

ALTERATIONS

(1068) 1365 TENTH AVE.; alterations to school.
Owners—E. A. and W. W. Smith, 316 Noriega St.
Architect—Not Given. \$4000

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - California

DWELLING

(1069) E 26th AVE. 250 N Santiago;
one-story and basement frame
dwelling.
Owner—A. D. Dorr, 650 Laguna Honda
Boulevard.
Plans by Owner. \$3500

APARTMENTS

(1070) NW COR. PACIFIC AVENUE
and Fillmore St.; six-story, base-
ment & sub-basement steel frame
and reinf. concrete (60) apts.
Owner—Marlan Realty Co., 1067 Mar-
ket Street.
Architect—E. C. Baumann, 251 Kear-
ny Street. \$125,000

DWELLING

(1071) W 24th AVE. 200 N Santiago;
one-story and basement frame
dwelling.
Owner—J. L. Furey, 2389 20th Ave.
Architect—Not Given.
Contractor—H. Doelger, 300 Judah St.
\$4000

ADDITION

(1072) 1515 BUCHANAN St.; addition
to apts. of 4 kitchens, 4 baths and
garage.
Owner—Ed. Lindquist, 229 Pierce St.
Architect—Not Given. \$4000

ALTERATION

(1073) N HANISON 25 W Sherman;
alterations to laundry.
Owner—Ideal Laundry, 7th and Harri-
son Streets.
Plans by Builder.
Contractor—J. H. Hjul, 128 Russ St.
\$2000

DWELLING

(1074) NE COR. SAN ALEJO AND
Upland; one-story and basement
frame dwelling.
Owner—A. J. Herzig, 635 Victoria St.
Plans by D. E. Jaekle, Call Bldg.
\$5000

DWELLING

(1075) E 46th AVE. 200 S Balboa; 1-
story and basement frame dwell-
ing.
Owner—L. E. Granger, 1105 Bush St.
Plans by Owner. \$3500

DWELLING

(1076) N ULLOA 30 E 14th Ave.; 1-
story frame dwelling.
Owner—M. A. Raymond.
Plans by D. E. Jaekle, Call Bldg.
Contractor—Lindgren Bros., 64 Ra-
mona Ave. \$4000

ALTERATIONS

(1077) 330 TENTH ST.; alterations to
warehouse.
Owner—A. B. Drusicke, 330 10th St.
Plans by Owner.
Contractor—Barrett & Hilp, 918 Har-
rison St. \$3000

ADDITION

(1078) S CASA 28 W Retiro Way; ad-
dition of one apartment.
Owner—W. Lane, 7 Casa Way.
Architect—W. C. Faich, Hearst Bldg.
\$2950

DWELLINGS

(1079) E 21st AVE. 200 N Quintara;
four 1-story and basement frame
dwellings.
Owner—Standard Bldg. Co., 218 Cas-
tenda.
Plans by Owner. each \$3500

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
146	Lindsay	Lindsay	3750
147	Southern Pacific Firebrick	Empire	1466
148	Texas	Empire	3200

KIND OF STRUCTURE OMITTED

(116) E CAYUGA 50 N Oneida 25x75;
work omitted.
Owner—R. T. Lindsay, 140 Duboce
Avenue.
Architect—Not Given.
Contractor—C. L. Lindsay.
Filed July 21, '31. Dated July 15, '31.
Roof on 25%
Plastered 25%
Completed 25%
Usual 35 days 25%
TOTAL COST, \$9750
Forfeit \$1 per day. Limit, 90 days.

REBRICKING

(147) BOILER PLANT Mission Bay
Shops; rebricking three 100-hp.
Babcock & Wilcox boilers.
Owner—Southern Pacific Co., 65 Mar-
ket Street.
Architect—Not Given.
Contractor—J. N. J. Firebrick Const.
Co., 475 Stevenson St.
Filed July 21, '31. Dated July 10, '31.
1st of each month 75%
Usual 35 days 25%
TOTAL COST, \$1466
Bond, \$1466. Sureties, U. S. Guar-
antee Co. Limit, 30 days. Spec. filed.

SERVICE STATION BLDG.

(148) NE COR. HAYES and Baker
Sts. 75x107-6; all work on super-
service building, rest room, etc.
Owner—The Texas Co., Hearst Bldg.
Architect—Not Given.
Contractor—Empire Const. Co., Ltd.
Filed July 22, '31. Dated July 18, '31.
Graded and foundations in 20%
Ready for plaster 20%
Plastered 20%
Completed and accepted 20%
Usual 35 days 20%
TOTAL COST, \$3700
Bond: Labor, \$1850; Builder, \$1850.
Sureties, U. S. Guarantee Co. Limit,
35 days. Plans and Spec. filed.

**CANCELLATION OF BUILDING
CONTRACT**

San Francisco County

July 22, 1931—SE CAYUGA AVE 50
NE Oneida AVE NE 25 x SE 75
ptn blk 12 West End Map No 1.
R T Lindsay to C T Lindsay.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
July 20, 1931—E 28th AVE 25 South
Kirkham S 50 x E 107-6 OL 795.
R F Gall to whom it may concern.
July 18, 1931—W TWENTIETH AVE
100 S Lincoln Way S 25xW 120. J
Shafraan and H Morris to whom it
may concern. July 17, 1931
July 18, 1931—W FUNSTON AVE
250 S Lurline 25x112. E B Ward
to John E McCarthy. July 16, 1931
July 18, 1931—LOT 4 BLK 137, Map
Brown Estate Co Sub Ptn Univer-
sity Md. A J Dalton to whom it
may concern.
July 18, 1931—E THIRTY-SECOND
Aves 250, 225 and 200 S Kirkham
St. S 25xE 120. Henry Doelger to
whom it may concern. July 15, 1931
July 18, 1931—S BUSH 137-6 E Hyde
E 40xE 137-6. Guaranty Bldg &
Loan Assn to R P Paoli. July 10, 1931
July 17, 1931—W ORD 36 N 17th St.
N 27xW 81. Arthur and Bernard
Quinn to whom it may concern.
July 15, 1931
July 17, 1931—W TWENTY-FIRST
AVE 128 S Noriega 25x120. John
E McCarthy to whom it may con-
cern. July 17, 1931
July 17, 1931—W CAROLINA 150 S
19th S 25xW 100. C Ferranto to
whom it may concern. July —, 1931

July 16, 1931—LOT 32 Blk 2969 and
lot 3 Blk 2968, map Sub No 4 Mira-
loma Park. Meyer Bros to whom
it may concern. July 16, 1931
July 15, 1931—LOTS 28, 29, 20 and
NE 5 lot 27 Blk 2961-A Sub No 4;
Lots 1, 2, 3 and 4 blk 2955-A Sub
No 6; lot 5 blk 2955-A Sub No 5;
Lot 12 blk 2948-A, Sub No 6, all
in Miraloma Park, and lot 69 blk
3011, Monterey Heights. Meyer
Bros to whom it may concern. July 16, 1931
July 16, 1931—SW GENEVA AVE
245-102 SE Mission SE 25 x SW
100 lot 12 blk 3, Crocker Amazon
T'ct. M L Cuthbert and J Mitchell
to whom it may concern. July 16, 1931
July 15, 1931—LOTS 20, 21, and 22
Blk 7101-B Hd Manor No 3, re-
sub of Blks 11 and 12 West End
Map No 2. — Horn to whom it
may concern. July 16, 1931
July 16, 1931—E 28th AVE 325 E
Kirkham N 25 x E 120. Eda E
Manseau to whom it may concern.
July 8, 1931
July 15, 1931—S PACIFIC AVE 208-9
W Presidio AVE W 30 x S 127-8 1/2.
R Lyon to J Dawson. July 13, '31
July 15, 1931—NE NEWCOMB AVE
250 NW Newhall St NW 25 x NE
100 Lot 35, blk 265, O'Neil & Haley
Tract. A & A Borg to D Delucchi
July 15, 1931—N THORNTON AVE
75 W Bay Shore Blvd. J Caster
to Wm T Kummer. July 13, 1931
July 15, 1931—SW SANSOME AND
Sacramento W 147-9 S 80 E 72-9 N
17-6 E 75 N 62-6. American In-
vestment & Realty Co to Cahill
Bros. July 11, 1931
July 15, 1931—E TWENTY-SECOND
AVE 275 S Clement, 25x120. A J
and P N Cantrell to Wm McIn-
tosh. July 15, 1931
July 20, 1931—100 FT S OF JUDAH
St on West line of same. Carl E
Erickson to whom it may concern
July 20, 1931—N GREEN ST 132 E
Octavia E 54 x N 137-6 WA 167.
F L Hansen to whom it may con-
cern. July 20, 1931
July 21, 1931—SE 35th AVE and
Ulloa 25x95; SW 34th Avenue and
Ulloa 25x95. Thos J Sullivan to
whom it may concern. July 21, 1931
July 21, 1931—PTN LOTS 9 and 10
Blk 6965-A Sub No 1 Geneva Ter-
races, desc'd: SW Seneca AVE 10
NW from NE cor lot 10 NW 50
SW 87-735 SE 30-378 NE 92-51;
ptn lots 10 and 11 blk 6965-A Sub
No 1 Geneva Terraces, desc'd: SW
Seneca AVE dist 15 SE from most
northerly cor lot 11 NW 30 SW 92-
51 SE 30-378 NE 97-286. H & H
Stoneson to whom it may concern.
July 17, 1931
July 21, 1931—W 33rd AVE 400 N
Taraval N 25 x W 120. N E John-
son to whom it may concern. July 19, 1931
July 21, 1931—S SILVER AVE 92-
88 E Madison 30-96 x 79-05 x 30 x
71-40. E Zimmerman to Stahl &
Forsman. July 21, 1931
July 20, 1931—W 37th AVE 296-9 and
271-4 N Balboa W 120 x S 25-
5 1/2 (two completions). A S Has-
kins to whom it may concern.
July 20, 1931
July 20, 1931—SW BRUSSELS 125
NW Olmstead 25x120. W K Rose-
ner to whom it may concern. July 20, 1931
July 20, 1931—LOTS 219, 224, 225,
Spring Valley Hd. Thos J Sulli-
van to whom it may concern. July 18, 1931
July 20, 1931—E 32nd AVE 150 S
Ulloa S 125 x E 120 OL 1204. A J
and M Herzig to whom it may
concern. July 20, 1931
July 20, 1931—W 34th AVE 250 S
Judah S 25 x W 120 OL 73. R F

IGN
834) E-FIFTEENTH ST AND 23rd
Ave., OAKLAND. Electric sign.
Owner—Palace Theatre.
Architect—Not Given.
Contractor—Elec. Prod. Corp., 950 30th
St., Oakland . \$1500

ROOF SIGN
(835) NO. 706 FRANKLIN ST., OAKLAND. Roof sign and electric sign.
Owner—Bekin Low Cafe.
Architect—Not Given.
Contractor—Elec. Prod. Corp., 950 30th St., Oakland. \$2200

ADDITION
(836) NO. 6551 PINEHAVEN ROAD, OAKLAND. Addition.
Owner—E. T. Davey, 6551 Pinehaven Road, Oakland.
Architect—Not Given.
Contractor—Warr Bros., 419 E. Merle Court, San Leandro. \$2000

DWELLING
(837) S MELDON AVE 100 E Storer Ave., OAKLAND. One-story 5-room dwelling.
Owner—E. Hunter.
Architect—Not Given.
Contractor—L. B. Matheyer, 3178 Birdsall Ave., Oakland. \$4000

DWELLING
(838) N DELMER ST. 300 E Lincoln Ave., OAKLAND. One-story five-room dwelling and one-story garage.
Owner—Fred T. Dooley, 3936 Vale Ave., Oakland.
Architect—Not Given. \$2900

SCHOOL
(839) NO. 651½ ARLINGTON AVE., BERKELEY. Two-story 1-room frame school room.
Owner—Cora L. Williams, San Antonio and Arlington Sts., Berkeley.
Architect—J. Hudson Thomas, Mercantile Bank Bldg., Berkeley.
Contractor—C. O. Bradhoff, 911 55th St., Oakland. \$1656

DWELLING
(840) W 105th AVE. 120 E Birch St., OAKLAND; 1-story 5-room dwelling.
Owner and Builder—J. B. Grubb, 10815 Breed Ave., Oakland.
Architect—Not Given. \$2000

DWELLING
(841) N FLORIDA ST. 204 E Maple Ave., OAKLAND; 1-story 6-room dwelling.
Owner and Builder—A. E. Sater, 3727 Hillview Ave., Oakland.
Architect—Not Given. \$3800

DWELLING
(842) N 57th ST. 400 E Shattuck Ave., OAKLAND; 1-story 6-room dwelling.
Owner and Builder—David Kesti, 2217 Browning St., Berkeley.
Architect—Not Given. \$4000

DWELLING
(843) S VIRDEN ST. 300 E Victor Ave., OAKLAND; one-story five-room dwelling.
Owner and Builder—E. Johnson, 695 Broadmore Blvd., San Leandro.
Architect—Not Given. \$2750

DWELLING
(844) 1719 PACIFIC AVENUE, ALAMEDA; one-story 4-room frame and stucco finish.
Owner—John Carlisle, 1549 Webster St., Alameda.
Plans by Contractor.
Contractor—W. James Johnston, 220 Santa Rosa Ave., Oakland. \$3000

RESIDENCE
(845) NO. 1736 SONOMA AVE., BERKELEY. One-story 6-room one-family frame residence.
Owner—M. A. Peel, 10 Oakvale Ave., Berkeley.
Architect—Not Given. \$3000

ALTERATIONS
(846) NO. 1153 SHATTUCK AVE., BERKELEY. Alterations.

Owner—O. L. Jenkins.
Architect—Not Given.
Contractor—J. F. Altermatt, 802 Regal Road, Berkeley. \$1000

STORE
(847) NO. 2431 SAN PABLO AVE., BERKELEY. One-story 1-room Class C store.
Owner—C. W. Johnson.
Architect—A. W. Smith, American Bank Bldg., Oakland.
Contractor—C. W. Short, 574 Rosel Ave., Oakland. \$1000

DWELLING
(848) 1780 ARCH ST., BERKELEY; two-story 9-room residence and garage.
Owner—Henry J. Haaf, 2215 Derby St., Berkeley.
Architect—Edwin L. Snyder, 2102 Addison St., Berkeley.
Contractor—George W. Windsor, 928 Kingston, Piedmont. \$10,000

DWELLING
(849) 1770 ARCH ST.; BERKELEY; 2-story 12-room frame and stucco residence and garage.
Owner—Dr. R. R. Thompson, 354 Alcatraz Ave., Berkeley.
Architect—Edwin L. Snyder, 2102 Addison St., Berkeley.
Contractor—George W. Windsor, 928 Kingston, Piedmont. \$12,000

DWELLING
(850) 1968 HOOVER AVENUE, OAKLAND; one-story 5-room dwelling.
Owner & Builder—John Fleming, 3539 Jordan Road, Oakland.
Architect—Not Given. \$4250

DWELLING
(851) S EVERETT AVE. 15 E Leach St., OAKLAND; one-story 5-room dwelling.
Owner and Builder—Wiley T. Vaughn, 501 Weldon Ave., Oakland.
Architect—Not Given. \$4000

ALTERATIONS
(852) NO. 1936 NAPA AVE., BERKELEY. Alterations.
Owner—S. Rapp.
Architect—Not Given.
Contractor—C. De Munch, 410 Hudson St., Oakland. \$2800

DWELLING
(853) E CERRITO AVE. 104 N 38th St., OAKLAND; two-story eleven-room 2-family dwelling.
Owner and Builder—C. G. Smith, 3782 Broadway, Oakland.
Architect—Not Given. \$4500

DWELLING
(854) N LEO WAY 200 W Broadway Terrace, OAKLAND; one-story 5-room dwelling.
Owner—Leslie Dawe, 5600 Merriewood Drive, Oakland.
Architect—Not Given.
Contractor—Chas. Dawe, 981 Peralta Ave., Berkeley. \$5200

ALTERATIONS
(855) 1312 BROADWAY, OAKLAND; alterations.
Owner—Leighton Industries, 1312 Broadway, Oakland.

Architect—Not Given.
Contractor—E. A. Duvall, 267 Dadelme Bldg., Oakland. \$4800

ALTERATIONS
(856) CLAREMONT COUNTRY Club grounds, OAKLAND; alterations and additions to caddy house.
Owner—Claremont Country Club, Broadway Terrace, Oakland.
Architect—J. J. Donovan, Tapscott Bldg., Oakland.
Contractor—Beckett and Wight, 624 Scenic Ave., Piedmont. \$2500

BUILDING CONTRACTS ALAMEDA COUNTY

117 Saunders	Maurer	4881
118 Haaf	Windsor	9500
119 Regents	Snead	3753
120 Bareilles	Anderson	8000
121 Rapp	DeMunch	2800

RESIDENCE
(117) 1815 VINE ST., BERKELEY; general construction on 1½-story frame residence (wood exterior).
Owner—Lane D. and Edna Lucas Saunders, Berkeley.
Architect—Gwynn Officer, Hotel Claremont, Berkeley.
Contractor—Geo. J. Maurer, 50 York Drive, Piedmont.
Filed July 16, '31. Dated July 11, '31.
When roof is on.....\$1220.25
First coat of plaster.....1220.25
On completion.....1220.25
Usual 35 days.....1220.25
TOTAL COST, \$4881
Limit, 100 days. Plans and Specifications filed.

DWELLING
(118) W ARCH 499.25 ft S Virginia St., Berkeley. All work for two-story and basement 8-room frame and stucco dwelling.
Owner—Henry J. and Margery M. Haaf, 2215 Derby St., Berkeley.
Architect—Edwin Lewis Snyder, 2102 Addison St., Berkeley.
Contractor—George Windsor, 928 Kingston Road, Piedmont.
Filed July 21, '31. Dated July 17, '31.
Frame up.....\$2375
1st coat plaster on.....2375
When completed.....2375
Usual 35 days.....2375
TOTAL COST, \$9500
Bond, none. Limit, 100 days. Forfeit, plans and specifications, none.

BOOKSTACKS
(119) UNIVERSITY OF California, Berkeley; installation of bookstacks in Engineering Bldg.
Owner—The Regents of the University of California, Berkeley.
Architect—W. P. Stephenson, Dept. of Grounds and Bldgs., University of California, Berkeley.
Contractor—Snead and Company, 539 Market St., San Francisco.
Filed, July 22, '31. Dated, July 6, '31.
On completion.....75%
Usual 35 days.....25%
TOTAL COST, \$3753
Bond: Labor and Materials, \$2,000; Performance, \$2,000. Sureties, Fidelity

Member Insurance Brokers' Exchange

**FRED H. BOGGS
INSURANCE
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San Francisco

& Deposit Co. of Maryland. Forfeited, \$10 per day. Limit, 95 days. Plans and Spec. filed.

REMODELING

(121) LOT 26 BLK G, Northbrae Terrace (1936 Napa Ave.), Berkeley; general construction for remodeling residence.

Owner—Stanley and Esther Rapp, 1936 Napa Ave., Berkeley.

Plans by Contractor.

Contractor—Isaac DeMunck, 410 Hudson, Berkeley.

Filed July 22, '31. Dated July 11, '31.
On signing contract \$300
When frame is completed 625
When rough plastered 625
When completed 625
Usual 35 days 625

TOTAL COST, \$2300
Forfeited, \$5 per day. Limit, 90 days. Plans and Spec. filed.

RESIDENCE

(120) LOT 363 BLK T, Fernside T'ct, Alameda; general construction on 2-story residence and garage.

Owner—Alfred Bareilles, 2217 Lincoln, Alameda.

Architect—Not Given.

Contractor—Walter H. Anderson, 1014 Doris Court, Alameda.

Filed July 22, '31. Dated July 8, '31.
When frame is up \$2000
When rough plastered 2000
When completion is filed 2000
Usual 35 days 2000

TOTAL COST, \$8000
Bond, \$4000. Sureties, G. H. Noble, J. A. Powell. Forfeited, \$1 per day. Limit, 90 days. Plans and Spec. filed.

CANCELLATION OF CONTRACT

Alameda County

RESIDENCE

MARTIN KELLOGG TRACT, Oakland; all work on residence; contract filed July 15, 1931.

Owner—Henry J. and Margery M. Haaf, 2102 Addison St., Berkeley.

Architect—Not Given.

Contractor—Geo. Windsor, 928 Kingstontown, Piedmont.

Recorded July 20, 1931.

COMPLETION NOTICES

Alameda County

Recorded Accepted

July 17, 1931—LOT 247, Unit No. 2, Avenue Terrace, Oakland. A K Schmidt to whom it may concern July 15, 1931

July 14, 1931—LOT 13 BLK 4, Shaw Tract, Berkeley. Edward Faucett to F W Thaxter July 10, 1931

July 14, 1931—LOT 2 BLK 1, map Bonita Tract, Oakland. Alessandro Cerruti to Warn Bros. July 9, 1931

July 15, 1931—PTN OF A CERTAIN 55-76 acre piece of land desc in deed from Geo Sterling and wife to The Realty Syndicate, Sept 30, 1902 and recorded in Vol 920 of Deeds, page 80, Oakland. Arthur Nelmes to Charles Dawe July 9, 1931

July 14, 1931—NO. 1642-45 SCENIC Ave., Berkeley. Milton S Bond to whom it may concern July 15, 1931

July 15, 1931—PTN LOT 13, Hillview Terrace, Oakland. Andrew Hexem to whom it may concern July 10, 1931

July 15 1931—LOT 4, Map of Diamond Vista. H Gustafson to H Gustafson July 15, 1931

July 15, 1931—NO. 2831 TWENTY-Fifth Ave., Oakland. John Fleming to whom it may concern July 15, 1931

July 18, 1931—LOT 9 BLK 18, Iveywood Extension, Oakland. Melvin W Swansick to Fred Paul Swansick July 16, 1931

July 18, 1931—PTN LOTS 68 AND 71, Broadmoor Park, San Leandro. C G and Vada F Graham to whom it may concern July 9, 1931

July 18, 1931—LOT 5 BLK 10, Amended Map of Putnam Tract, Oakland. Peter J and Hazel M Andichou to whom it may concern July 18, 1931

July 18, 1931—PTN LOT 6 BLK F, Glenwood, Oakland. C W Leekins to whom it may concern July 17, 1931

July 18, 1931—LOT 21 BLK A, Durant Manor, Oakland. James B Grubb to whom it may concern July 18, 1931

July 18, 1931—NE PROSPECT ST. 160 SE Sunset Blvd., Hayward. D J Manley to J J Thorp July 11, 1931

July 17, 1931—PTN LOT 49, Map of Property of Oakland Homestead Assn, Oakland. Waters & Hamlin Studios (W. K. Waters and Gene Hamlin) to J F Altermatt July 17, 1931

July 20, 1931—3876 FRUITVALE Ave. Oakland. C L Clawson to Self July 20, 1931

July 21, 1931—1310 PORTLAND Ave. Albany. George Guay to whom it may concern July 18, 1931

July 21, 1931—5570 EDITH ST, Oakland. Wm A Herbst to Albert Hammarberg July 20, 1931

July 20, 1931—3415 SIMMONS ST, Oakland. Fred T Dooley to whom it may concern July 20, 1931

July 21, 1931—LOT 2 BLOCK 12, Lakeside Subdiv of Adams Point Ppty, Oakland. Axel C Nelson to Self July 20, 1931

July 21, 1931—989 REGAL ROAD, Berkeley. Howard I Schnabel to Fox Bros. July 21, 1931

July 20, '31—1079 UNDERBELLS RD, Oakland. Chas A Russell to Self July 12, 1931

July 20, 1931—LOT 18 BLK B, Durant Manor, Oakland. L J and Lena Burton to whom it may concern July 11, 1931

July 20, 1931—3861 LYMAN ROAD, Oakland. W A Netherby to whom it may concern July 18, 1931

July 20, 1931—3818 QUIGLEY ST, Oakland. S V Meksa to Andrew Hexem July 13, 1931

LIENS FILED

Alameda County

Recorded Amount
July 21, 1931—PTN LOTS 10 and 11 Block S. Revised map of Oakland. E K Wood Lumber Co, \$9629.86;
L H Venor, \$659.40; vs R E and Lottie D Mayer and S E Hostetter

July 21, 1931—PTN LOTS 10 and 11 Block S. Revised map of Oakland. Parquet Inlaid Floor Co, \$250; Eastbay Glass Co, \$736.40; Pacific Coast Aggregates, Inc, \$2805.38; Robt Streiff, \$1493, vs R E Mayer and S E Hostetter

July 21, 1931—PTN LOTS 10 and 11 Block S. Revised map of Oakland. J M Dale vs Ray E Mayer, \$538.10

July 21, 1931—PTN LOTS 10 and 11 Block S. Revised map of Oakland. Maurice Friedman as M Friedman & Co vs R E Mayer, S E Hostetter and H F Wells \$300

July 20, 1931—PTN LOT 6 and all Lot 7, East 14th Tract, Eden Twp. Stowe-Lima Lbr Co vs Hugh and S Neill, Frank Silva \$63.14

July 17, 1931—NO. 264 SEVENTH St., Oakland. A J Bowman (as Bowman Building Supply Co) vs Gum Wing Woo \$16.85

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount

July 18, 1931—LOT 59 BLK 16, Map of Resub. of Ptn of North Crag-

mont, Berkeley. C S Lane to H A Brown and Earl Converse \$31.20
July 16, 1931—LOTS 48 and 49 Blk B, Fruitvale Blvd Tract, Oakland. Alvin I Darling vs D Davis, Grafton Ebber \$100

BUILDING CONTRACTS

SAN MATEO COUNTY

APARTMENTS

S THIRD AVE 172 W Ellsworth St., San Mateo. All work for two-story reinforced concrete store and apartment building.

Owner—Martin Stelling Jr, et al, 155 Montgomery St., San Francisco. Architect—Bert, Winter & Maury, 210 Post St., San Francisco.

Contractor—G. P. W. Jensen, 320 Market St., San Francisco. Filed July 18, '31. Dated July 17, '31.

As work progresses 75%
Usual 35 days 25%

TOTAL COST, \$10,095
Bond, \$10,095. Surety, Detroit Fidelity & Surety Co. Limit, Sept. 26, 1931.

Forfeit none. Plans and specifications filed.

RESIDENCE

LOT 33 AND PART LOTS 34 & 39, Hillsborough Knowles. All work for two-story, basement and attic frame and stucco residence.

Owner—Gustave Lachman, 16th and Mission Sts., San Francisco. Architect—Samuel Lightner Hyman, et al, 68 Post St., San Francisco.

Contractor—Jacks & Irvine, Inc, 74 New Montgomery St., San Francisco.

Filed July 18, '31. Dated July 18, '31. As work progresses 75%
Usual 35 days 25%

TOTAL COST (guaranteed) \$54,783
Bond, \$28,891.50. Surety, Jas. Rolando and A. B. Doe. Limit, March 15, 1932.

Forfeit, none. Plans and specifications filed.

BUILDING PERMITS

SAN MATEO

RESIDENCE, \$4000; E 40 ft. Lot 15 Blk 2, No. 358 26th Ave., San Mateo; owner, Castle Bldg. Co., El Camino and Allen Sts., San Mateo.

RESIDENCE, \$4000; E 45 ft. Lot 9 Blk 2, 292 26th Ave., San Mateo; owner, Castle Bldg. Co., El Camino and Allen Sts., San Mateo.

RESIDENCE, \$4000; W 40 ft. Lot 7 Blk 4, 521 26th Ave., San Mateo; owner, Castle Bldg. Co., El Camino and Allen Sts., San Mateo.

RESIDENCE, \$4000; W 40 ft. Lot 7 Blk 5, 511 25th Ave., San Mateo; owner, Castle Bldg. Co., El Camino and Allen Sts., San Mateo.

RESIDENCE, \$4000; W 40 ft. Lot 9 Blk 4, 551 26th Ave., San Mateo; owner, Castle Bldg. Co., El Camino and Allen Sts., San Mateo.

STORE building, \$88,278; Lots 9, 10 & 11 Third Ave., San Mateo; owner, Levy Bros., 220 2nd Ave., San Mateo; contractor, Lengfeld & Glund, 220 3rd St., San Mateo.

BUNGALOW, \$5000; Lot 113 No. 1829 Ivy St., San Mateo; owner and contractor, Hugo Hüllberg, 29 San Mateo Ave., San Mateo.

BUNGALOW, \$4500; Lot 129, No. 1221 Shafter St., San Mateo; owner & contractor, Dean Mitchell, 1044 Paloma St., San Mateo.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted

July 20, 1931—LOT 37 BLK 23, Huntington Park. Bradshaw Harrison to Jack Kaiser July 18, 1931

July 21, 1931—LOT 5, Oak Knoll

Highlights. Loan A Stryker to whom it may concern..... July 18, 1931
July 21, 1931—PART LOT 26, San Mateo. Adolph Meminger to Langefeld & Ohnd..... July 21, 1931
July 21, 1931 — LOT 16 BLK 54, Bowie Estate, San Mateo. Henry W Starr et al to James A Bale..... July 19, 1931
July 21, 1931 — LOT 51, Wellesley Park, San Mateo. Milan Dulk et al to Charles Macne..... June 3, 1931
July 21, 1931—LOT 1 BLK 20, Vista Grande. Globe Securities Co, Ltd to Frederick W Ballet..... July 7, 1931
July 21, 1931 — WINCHESTER ST., Daly City. Globe Securities Co, Ltd to Frederick W Ballet..... July 7, 1931

July 17, 1931 — LOT 18 BLK 56, Easton. A L Gander et al to Arne M Arnesen..... July 16, 1931
July 17, 1931 — LOT 8 BLK 18, Vista Grande. J E O'Brien to whom it may concern..... July 7, 1931
July 18, 1931—LOT 22 BLK 6, Hill-Crest. Hartley R Appleton et al to whom it may concern..... July 14, 1931
July 18, 1931—PART LOT 4, Burlingame Shore Land Co. Nora M Cobo to whom it may concern..... July 17, 1931

July 18, 1931—SAN MATEO. Martin Stelling et al to Clinton-Stephenson Constr Co..... July 19, 1931
July 14, 1931 — HOOVER ESTATE, Woodside. Mary M Somers et al to Edward J Schmalig..... June 8, 1931
July 14, 1931—LOTS 16 AND 17 BLK 1, Crocker Estate Tract, San Mateo. Peter Martinelli et al to Arturo Bassatti..... July 11, 1931
July 14, 1931—LOT 21 BLK 26 and Lot 33 BLK 3 and Lot 17 BLK 3, Jefferson Park, San Mateo. Castle Bldg Co to Henry Horn..... July 10, 1931
July 15, 1931—LOT 2 BLK 42, Easton. W O Nicolardes to whom it may concern..... July 15, 1931
July 16, 1931—LOT 13 BLK 1, Hayward Park, San Mateo. G Walter Carlson to Oscar Swanson..... July 15, 1931

July 16, 1931—LOT 16 BLK 39, So. San Francisco. J H Castro to Delmar Meade..... July 15, 1931
July 16, 1931—LOT 19 BLK 30, Sub No. 2, Millbrae Highlands. James A Arnott to whom it may concern..... July 16, 1931
July 16, 1931—LOT 37, Hillsborough Park No. 1. Bernard Foss et al to Albert M Schulte..... July 6, 1931

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
July 20, 1931—LOT 8 BLK 18, Easton. Mathews Paint Co vs R N Noble..... \$131.71
July 21, 1931—LOT 8 BLK 11, Sweeney Addition to Redwood City. Smith Lumber Co, \$265.25; Werner Lumber Co, \$67.78 vs Florence Manuel et al.....
July 21, 1931—PART LOTS 1 AND 2 BLK 10, Millbrae Highlands. S F Hardware Co vs Wm R McKnight..... \$450.46
July 21, 1931—PART LOTS 1 AND 2 BLK 10, Millbrae Villa Tract. L H Comer vs W R McKnight..... \$227
July 18, 1931 — LOT 8 BLK 11, Sweeney Addn to Redwood City. John Roller vs H J Pinkerton..... \$74.37
July 17, 1931—LOT 1 BLK 4, Burlingame Park No. 4. E D Ward vs Wm H H Conner et al..... \$182
July 14, 1931—LOT 7 BLK 22, Redwood Highlands. R G Dunkle vs

Anna H Heady..... \$202
July 16, 1931—PART LOTS 1 AND 2 BLK 10, Millbrae Villa Tract, San Mateo. San Mateo Feed & Fuel Co vs William R McKnight et al..... \$380.89

BUILDING PERMITS

BURLINGAME

STORES, class C, \$7000; Ptn lots 4 and 5 blk 1, De Conlon, California Drive, owner, F Peterson, 1702 Broadway; contractor, G. W. Williams So., 1404 Broadway.
RESIDENCE \$3800; Lot 3 Willborough Place, Willborough Road; owner, C. Nissen; contractor, G. W. Williams Co., 1404 Broadway.
RESIDENCE, \$3600. Lot 17, Willborough Place, Willborough Road; owner and buldler, G. W. Williams Co., 1404 Broadway.
RESIDENCE, \$3600. Lot 19, Willborough Place, Willborough Road; owner and buldler, G. W. Williams Co., 1404 Broadway.
RESIDENCE, \$3600; Lot 19, Willborough Place, Willborough Road; owner and buldler, G. W. Williams Co., 1404 Broadway.
ALTERATIONS and additions, \$10,892 Howard Ave. School and McKinley School; owner, Burlingame Grammar School Dist.; contractor, I. Sorensen, 1123 Lincoln Ave.

BUILDING PERMITS

SAN JOSE

STORAGE warehouse, \$1000; Empire St. near S. P. R. R., San Jose; owner, Penncoil Co., 350 N-First St., San Jose; contractor, R. O. Summers, 17 N-First St., San Jose.
SERVICE station, gasoline, type IV, \$3000; Julian and San Pedro Sts., San Jose; owner, C. C. Bonn, 287 N-San Pedro St., San Jose; architect, None; contractor, W. H. Ball, 1022 Lennon Way, San Jose.
RESIDENCE, frame, 6-room, \$5000; Rankin St. opp. Losse St., San Jose; owner, Stella M. Watson, Palm Apts., San Jose; contractor, Geo. McCrary, 1024 Clark Way, San Jose.
BUSINESS building and residence, 2-story, frame, \$4500; E-Santa Clara and 28th Sts., San Jose; owner, J. P. Rolitta; architect, Bruce Barnard, 510 Beans Bldg., San Jose; contractor, Frank Neves, 891 Washington St., Santa Clara.

BUILDING PERMITS

PALO ALTO

RESIDENCE, stucco, \$4000; No. 151 Oregon Ave., Palo Alto; owner, C. B. Van Epps.

BUILDING PERMITS

REDWOOD CITY

DWELLING, frame, 5-rooms, bath and garage, \$3000; No. 250 Irls St., Redwood City; owner and buldler, E. Strandquist, 229 Irls St., Redwood City.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
July 14, 1931—LOT 3 Subd of Watson Walker Tract, San Jose. Tony Capaci to whom it may concern.....

July 15, 1931—LOT 6 BLK 5, Los Altos Park, Los Altos. H E Hensch to whom it may concern..... July 14, 1931
July 15, 1931 — LOT 14, Riverdale Park, San Jose. George D McCrary to whom it may concern..... July 14, 1931

July 15, 1931—LOT 13 BLK 3, Claremont Sub., San Jose. R E Ford to whom it may concern..... July 13, 1931

July 16, 1931—NE MAIN AND SE California Ave (present line) NE 72.40xSE31.35 ft. part Lot 48, Resubd, Palo Alto and r/w Mayfield. E J Worth to whom it may concern..... July 15, 1931
July 16, 1931—LOT 3 BLK 7 R 7, South Snow & Pettis Addn, Mt. View. Owner and Contractor omitted..... July 16, 1931

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
July 14, 1931—LOT 12 BLK 7, North Glen Residential Park, Willow Glen. The Turner Co vs Ormal Dodd..... \$87.14
July 15, 1931—PT. SEC. 1 T 7 S R 2 W; also 0.766 ac Pt. Sec. 1 T 7 S R 2 W. D & S Lumber Co, Inc vs H A Iverson..... \$180.03
July 16, 1931—LOT 7 BLK 4, Easter Gables, Sunnyvale. Lucas Mfg Co vs E A Moore..... \$

BUILDING CONTRACTS

SONOMA COUNTY

SCIENCE UNIT
CITY of Santa Rosa, Junior College Site; all work on one-story science building.
Owner—City of Santa Rosa Junior College Dist., Santa Rosa.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Contractor—Petalum Const. Co., Petaluma.
Filed July 13, '31. Dated July 7, '31.
Progress payments of 75%
Usual 35 days..... 25%
TOTAL COST, \$36,700
Bond: Spec. Perfr., \$18,350; Labor and materials, \$18,350. Sureties U. S. Fidelity & Guaranty Co. Forfeit, not to exceed \$10 per day. Limit, 150 working days from date agreement. Plans and specifications filed.

COMPLETION NOTICES

SONOMA COUNTY

Recorded Accepted
July 13, 1931—LOTS 8 and 9, Suburban Homes, A B Hill Ppty. Dora W Keppel to whom it may concern..... July 6, 1931
July 13, 1931—LOT 16 BLK R, Del Rio Woods Subdv No 1. James Leo Halley to Athey & Young..... July 10, 1931
July 17, 1931—LOT 3 BLK 2, Proctor Terrace, Santa Rosa. W Oscar Miller to Mutual Home Builders Assn..... July 16, 1931

BUILDING CONTRACTS

MONTEREY COUNTY

ALTERATIONS & ADDITIONS
EAST GABILAN ST., Salinas; alterations and additions to present building.
Owner—Knights of Pythias, Salinas. Architect—Koepp & Campbell, Salinas and Carmel.
Contractor—H. H. Larsen Co., 64 S Park, San Francisco.
Filed July 15, '31. Dated July 8, '31.

Progress payments.
TOTAL COST, \$10,725
Bond, \$5362.50. Sureties, Wm. Sullivan, San Francisco, L. E. Wyatt, Salinas. Limit, 100 working days. Plans and Spec. filed.

ADDITION
MANZANITA CLUB, Carmel; all work on addition to Manzanita Club. Owner—Manzanita Club, Carmel. Architect—Guy Koepf, Carmel. Contractor—M. J. Murphy, Inc., Carmel.

Filed and Dated July 16, 1931.
On signing contract.....\$1500
Usual 35 days.....479

LIMIT, Sept. 16, 1931. Plans and Spec. filed.

COMPLETION NOTICES

MONTEREY COUNTY

Recorded	Accepted
July 13, 1931—PTN LOTS 4 and 6 blk 6, Live Oaks Park, Victor H. Patrick to Self.....	July 11, 1931
July 13, 1931—WEST 52 ft. of Lot X Blk 5, Sherwood & Hellman map of Salinas. K Ito and U Futamase to Bobbie Harada and A B McElheran.....	July 8, 1931

LIENS FILED

MONTEREY COUNTY

Recorded	Amount
July 11, 1931—LOT 2 BLK A-15, Sub of Assessor's map 2, El Sausal Rancho. W F Sechrest vs C N Thorup et al, Mrs E L Adding-ton, John Doe Wolfe.....	\$184.77
July 11, 1931—PART LOT V Rancho Llano de Buena Vista Rancho in Monterey County. Tynan Lumber Co vs LaMira C Westlake.....	\$179.72

BUILDING PERMITS

STOCKTON

ADD to store, \$7000; No. 310 E- Main St., Stockton; owner, Smith & Lang, Premises; contractor, Lewis & Green, Bank of Italy Bldg., Stockton.

REMODEL industrial building, \$1900; No. 510 S-Aurora St., Stockton; owner, Hickinbotham Estate; contractor, John J. Cavanagh, 219 N-Sutter St., Stockton.

REMODEL club house, \$1000; No. 220 E-Fremont St., Stockton; owner, C. E. Curnow, Premises; contractor, T. E. Williamson, 1859 W-Park Ave., Stockton.

DWELLING, brick veneer, 6-rooms and garage, \$5000; No. 1731 West Harding Way, Stockton; owner, and builder, S. C. Giles, 121 Knowles Way, Stockton.

DWELLING and garage, \$4000; 634 Simpson St., Stockton; owner and Builder, A. R. Eklund.

DWELLING, brick veneer, \$1500; No. 825 Bristol Ave., Stockton; owner, W. E. Inglis; contractor, R. Melville, Waterloo Road, Stockton.

RELEASE OF LIENS

CONTRA COSTA COUNTY

Recorded	Amount
July 15, 1931—LOT 10 in Grammar School Addn to Concord. The Diamond Match Co to Andrew and Teresa Brazil.....	\$406

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded	Accepted
July 15, 1931—LOT 7 BLK 1 and lot	

G, Lakeview, Stockton. Thaddeus E Williamson to whom it may concern..... July 14, 1931
July 15, 1931—LOT 1 BLK 2, Northcrest, Stockton. Luther Renfro to F J Strahorn..... July 15, 1931

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded	Accepted
July 14, 1931—LOT 4 BLK 228, Central Addn to Pittsburg. Grover M and Evelyn Hoff to Chas Jackson.....	July 13, 1931
July 14, 1931—LOTS 17 AND 18 BLK 15, Richmond Center. C V and Elma M Bradbury to J A Legault.....	July 2, 1931
July 16, 1931—N 50 FT. LOT 7 BLK 1, Pittsburg Homes Acres. V A Peters, acting for owner. B J Chevrux to Community Builders.....	July 16, 1931
July 18, 1931—LOT 4 BLK 28, Andrade Rose Tract No. 2, Richmond. W G and Marjorie Scarry to S E Manning.....	July 12, 1931
July 18, 1931—LOT 5 BLK 28, Andrade Rose Tract No. 2, Richmond. J R and Florence Melring to S E Manning.....	July 8, 1931
July 18, 1931—RANCHO LAS JUNTAS (two described parcels). John P Silva to whom it may concern.....	July 18, 1931
July 18, 1931—LOT 2 BLK 2, Henderson Tapscoett No. 2, Richmond. James Grammas to Geo H Barber and S A Noland.....	July 9, 1931
July 21, 1931—LOT 12 and ptn lot 11 in 6, Richmond City Center. Edward Berg to Self.....	July 17, 1931
July 21, 1931—EASTERLY PTN OF 10th St bet the Southerly line of Doc Ave and the Southerly termination of 10th St. Edw A Hoffman, Supt of Streets, Richmond, to Heafey-Moore Co.....	July 20, 1931

RELEASE OF LIENS

CONTRA COSTA COUNTY

Recorded	Amount
July 15, 1931—LOT 10, Grammar School Addition to Concord. The Diamond Match Co to Andrew and Teresa Brazil.....	
July 18, 1931—PTN LOT 25, Map of Undivided Lands of Estate of Francisco Galindo. The Diamond Match Co to Clinton E and Sarah Stevens.....	
July 20, 1931—LOT 3 BLK 6, Foskett Addn No. 2 to Concord. P L Keller Co to Hugo E Carlson.....	

BUILDING PERMITS

SACRAMENTO

RESIDENCE, frame and stucco, six-rooms and garage, \$7500; No. 1335 46th St., Sacramento; owner, H. J. Graham, 1141 38th St., Sacramento; contractor, Frank P. Williams, 1100 Robertson St., Sacramento.

REPAIRS, \$1500; No. 2633 30th St., Sacramento; owner, Walter G. Ehrman; Box 25, Elverta; contractor, Frank P. Williams, 1100 Robertson St., Sacramento.

RESIDENCE, frame & stucco, 3-room and garage, \$5000; No. 75 Swanton Park, Sacramento; owner, Los Pesce, 5109 J St., Sacramento; contractor, Patton & Son.

STUDIO, \$1700; No. 592 Santa Ynez Way, Sacramento; owner, Andrew B. White, 592 Santa Ynez Way, Sacramento; contractor, N. H. Bateman, 1608 21st St., Sacramento

CHURCH, \$15,000; 1534 5th St. on S lot 5; owner, Northern California Baptist, 228 McAllister St., San

Francisco; contractor, Earle Sims, 1520 5th St.

HOUSE and garage, \$5000; 2672 Land Park Drive, lot 232 Swanton Park No 1; owner and builder, Watson & Bennie, 3719 5th Ave.; private plans.

HOUSE and garage, \$5600; No. 1901 43rd St., Lot 410, Sacramento; owner, R. Pierce, 913 8th St., Sacramento; contractor, C. Ruby, 4800 T St., Sacramento.

SERVICE station, \$—; No. 1600 N St., Lot 1, 16th, 17th, N and O Sts., Sacramento; owner, General Petroleum Corp., 310 Sansome St., San Francisco; contractor, A. J. Wilson, 471 Yosemite St., Sacramento.

CHURCH, \$13,300; No. 2900 39th St., Sacramento; owner, First English Lutheran Church; architect, W. F. Coffman, Forum Bldg., Sacramento; contractor, G. E. Unger, 4532 T St., Sacramento.

HOUSE and garage, \$5500; No. 1511 12th Ave., Lot 280 W & K College Trct, Sacramento; owner, G. Loyth 1201 47th St., Sacramento; contractor, F. Richards, Hagginwood.

HOUSE and garage, \$5600; 2635 Land Park Drive, lot 4, Carly Park; owner and builder, W. Phillips, 2101 9th Ave.

TIRE shop, \$1200; 2901 Sacramento Blvd.; owner and builder, P. Schierts.

REPAIRS, \$1200; No. 3236 T St., Sacramento; owner, L. Gordana, Premises; contractor, Frank Lopes.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded	Accepted
July 20, 1931—LOT 249 SO CURTIS Oaks, Sub No 6. A L Olson and Brooks L ux to whom it may concern.....	July 17, 1931

BUILDING PERMITS

FRESNO

DWELLING, \$4000; 942 Clinton St., Fresno; owner, F. Willis; contractor, R. E. Harris.

DWELLING and garage, \$2750; No. 1551 Glenn Ave., Fresno; owner, and builder, Taylor-Wheeler, Inc., Power Co. Bldg., Fresno.

COMPLETION NOTICES

FRESNO COUNTY

Recorded	Accepted
July 15, 1931—E 50 FT. LOT 6, Olive Heights. A M Chitty to whom it may concern.....	July 13, 1931
July 17, 1931—LOT 316, F G F G, Sub No. 1, Fresno. Harry P Nelson to whom it may concern.....	July 16, 1931
July 18, 1931—LOT 8 BLK 27, Alta Vista Tract, Fresno. Harry P Nelson to various contractors.....	July 17, 1931
July 18, 1931—LOTS 41 AND 42 BLK 14, Roeding Addition, Fresno. Carl Gustafson to whom it may concern.....	July 13, 1931
July 18, 1931—LOTS 12 AND 13 BLK 8, Alhambra Tract, Fresno. Carl Gustafson to whom it may concern.....	July 18, 1931
July 15, 1931—LOT 120, McKinley Blvd Tract No. 2, Sacramento. John Fernandez to whom it may concern.....	July 15, 1931
July 15, 1931—LOT 121, McKinley Blvd. Tract No. 2, Sacramento. John Fernandez to whom it may concern.....	July 6, 1931
July 15, 1931—LOT 44 and McKinley Blvd Trt, Sacramento. Peter McHugh to whom it may concern.....	July 11, 1931



Publication Office
547 Mission Street

SAN FRANCISCO, CALIF., AUGUST 1, 1931

Published Every Saturday
Thirty-fifth Year, No. 31

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Issued Every Saturday

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WAGE CUTS TIE UP CONSTRUCTION

Labor trouble, precipitated by attempts of contractors to lower wages, has tied up much of the large construction program of state, county and municipal work in Westchester County, N. Y. In and around White Plains, says Engineering News-Record. All the work affected is highway construction, with the exception of one or two small sewer jobs. Efforts to establish a wage scale satisfactory to both sides have failed so far.

On July 14 several local contractors announced a cut in base pay of laborers from 50c., which has been paid by them all this year and most of last year, to 45c. and 40c. These contractors claim they were forced into the cuts by two out-of-state firms which had come into the county about six months previously and established the lower scales on their work. Many of the workers struck against the reduction. Labor agitators soon had them demanding \$5 for eight hours and recognition of a newly formed construction laborers' association. The New York state labor law provides for the payment of prevailing wages on public works except for state highway work outside of any town limits.

On July 17, at a conference of state, county and municipal engineers, contractors and representatives of labor, a 50c. rate was agreed as prevailing. Seventeen contractors agreed to pay this rate, but the strikers refused to accept it, overruling their representatives. Previously the workers had refused an offer of \$5 for nine hours. Some contractors are importing labor, paying 40c. to 50c. in an effort to continue work. Considerable fighting and rioting have accompanied the striking.

Plumbing Inspectors Meet In Berkeley

Wm. D. Hobro, chief plumbing inspector for the city of San Francisco, was the principal speaker at the Northern Division Meeting of the Plumbing Inspectors' Association of California, in Berkeley last Saturday. Hobro delivered an instructive talk on County Plumbing Ordinances.

Other speakers at the meeting included A. M. Jensen of the Clay Products Institute, speaking on a "Universal Plumbing Code," and Jos. Jevons, secretary of the Berkeley Master Plumbers' Association, talking on "Cooperation." F. N. Johnson of San Jose spoke on "Contamination."

San Francisco, San Jose, Oakland, Sacramento, Stockton, Bay Shore, Alameda and El Cerrito were represented at the meeting. G. Hilleker of Fresno, presided.

The next meeting of the Northern and Southern Divisions of the Association will be held in Sacramento on October 2 and 3. It is announced by Geo. Grimshaw, Berkeley plumbing inspector.

COUNTY ARCHITECT'S OFFICE ABOLISHED

Abolition of the office of County Architect, elimination of about twenty positions in the present county architect's organization, and the transfer of the remaining employees and duties of the department to the Mechanical Department, were effected by the Los Angeles County Supervisors January 27.

The ordinance takes effect thirty days from July 27. After that date, all county architectural work, preparation of plans, and supervision of construction, will be under the direction of William Davidson, Chief Mechanical Engineer, Hall of Records. Los Angeles.

HOSPITAL LABOR AT FRESNO DRAWS PROTEST OF MAYN

W. J. Ochs, general contractor on the addition to the Fresno County Hospital, is employing non-citizens and non-residents as laborers on that project, according to complaints filed with the Fresno county supervisors by the Fresno Building Trades Council.

Ochs vigorously denied that he had violated a provision in his contract calling for the employment of only American citizens who have resided in Fresno for at least six months past.

"At the bottom of this whole trouble," Ochs said, "is the fact that members of the building trades council here are disgruntled because I am not conforming with the union scale in paying the laborers. I am paying a flat \$5 a day, which is considerably more than is being paid to common labor anywhere at the present time. The union scale, I understand, is \$5.50 a day."

Following a conference with the supervisors, Ochs agreed to send the names and addresses of each of his employees for approval by the supervisors.

QUINN TO EDIT LABOR JOURNAL

John H. Quinn, president of the Oakland Building Trades Council and business manager of the Steamfitters' Union, has been appointed editor and manager of the East Bay Labor Journal, weekly newspaper, owned and controlled by the central labor and trade councils.

He succeeds Elmer Carter, who died two weeks ago.

Quinn, whose home is at 3937 Ruby street, Oakland, announced there would be no change in the policy of the paper.

He will retain both his other posts in addition to his editor-manager position.

COAST LUMBER TRADE IN MERGER

Designed to develop both domestic and foreign markets and balance production and consumption, the Western Pine Association was formed at Klamath Falls, Ore., last Friday by sixty of the most prominent lumber manufacturers of the Pacific Coast.

B. W. Lakin of McClell, Calif., was elected president; J. P. Weyerhaeuser Jr., Lewiston, Idaho, second vice-president.

The association will take the place of the older organizations, the Western Pine Manufacturers' Association of Portland and the California Sugar and White Pine Association of San Francisco.

Principles outlined for the organization call for establishment of an export bureau to develop foreign markets, of an economic committee to endeavor to balance production and consumption; standardize grading of sizes and basic weights; use of trade marks and cards; a basic price list for all regions; employment of a secretary-manager, and organization of a wood-en bob committee.

The trade name "Pondosa Pine" was selected for use on all products of members of the association. Offices will be established in Portland.

Directors of the association are:

E. H. Pauleys, Missoula, Montana; Walter K. Neils, Libby, Mont.; J. P. McGoldrick, Spokane; J. B. Weyerhaeuser, Jr., Lewiston, Idaho; Ralph H. Hines, Chicago; C. L. Isted, Bend, Ore.; Charles H. Ingram, Tacoma; W. E. Lamm, Moscow, Point, Ore.; E. W. Lakin, McClell, Calif.; D. S. Feister, San Francisco; J. M. McNary, Flagstaff, Ariz.; George E. Breese, Albuquerque, N. M.; J. H. Clifford, Pine-dale, Calif.; J. P. Hemphill, Madera, Calif.; J. D. Tennant, Longview, Wash.; Raymond B. White, Kansas City, and Walter C. Leuthold, Deer Park, Wash.

A \$459,772 contract for grading 12½ miles of the Ridge Route Alternate, new state highway between Los Angeles and Bakersfield, has been awarded to the Morrison-Knudsen Company of Idaho, and McDonald and Kahn of San Francisco by the state department of public works.

The project is the third and last unit of the new road, which will provide motorists with a highway lacking the many curves and heavy grades on the present ridge route, as well as reducing the distance over the Tehachapi by more than nine miles.

The awarding of the contract was held up by the department for several days, pending receipt of an opinion from Attorney General U. S. Webb regarding the legality of the joint bid submitted by the California and Idaho companies. The next low bidder, the H. E. Rohl Company of Los Angeles, bid approximately \$40,000 more.

READY MIXED CONCRETE "HERE TO STAY," SAY ROAD BUILDERS

With seven million cubic yards of "ready mixed" concrete used last year the committee of the American Road Builders' Association on "Central and Truck Mixed Concrete" had no difficulty in reaching the conclusion contained in its report just published that it "has come to stay." The only open question, according to the report, has to do with methods of mixing and handling and their limitations. R. Keith Compton, director of Public Works, Richmond, Va., is chairman of the committee of which H. P. Cortelou, engineer of construction, Los Angeles city engineering department, is the Western member. The report of the committee follows:

Summary of Conclusions

Ready mixed concrete, with a production last year in excess of 7,000,000 cu. yds., is a method of construction which has "come to stay." The term, "ready mixed concrete," as used in this report is taken to mean Portland cement concrete mixed at a central mixing plant and hauled to the job; or the aggregates proportioned at the plant, and the product mixed at the plant, in transit, or at the job, in a truck mixer.

After reviewing the data on hand, the committee has arrived at the following conclusions:

1. Ready mixed concrete, manufactured under proper supervision, is acceptable for all types of concrete construction.
2. The ready mixed concrete plant should be equipped with weighing devices, meeting the specification of the American Road Builders' Association for weighing devices for concrete aggregates, and as used by various state highway departments.
3. For low slump concrete, the "non-agitating" type of truck is satisfactory as hauling equipment under proper supervision and gradation of aggregates.
4. Specially designed water-tight bodies with rounded corners should be required when open type dump bodies are used.
5. The so-called "agitator" type of bodies have proven satisfactory for hauling concrete of any slump under proper supervision and gradation of aggregates.
6. Satisfactory concrete can be secured by truck mixers provided proper supervision and gradation of aggregates is exercised.
7. The use of central mixing plants, the transportation of mixed concrete and the use of truck mixers may be permitted provided there is no segregation of material when the concrete is deposited on the subgrade.
8. The concrete may be hauled not to exceed one hour, except by special permission of the engineer, and must reach the subgrade in such plastic and workable condition that the slump, on the job, is within the limits specified.
9. Any concrete which is not plastic and workable when it reaches the subgrade should be rejected.
10. It may be pointed out that there is generally a change of slump with the elapse of time after mixing. This should be taken into consideration in arriving at a suitable W/C ratio applicable to each job. In this respect complete co-operation is necessary between the engineer and the operator.

11. The methods of transferring the product from the hauling unit and depositing same on the subgrade have been discussed as well as the protection of subgrades requiring such protection.

12. Where no mesh reinforcing is used, it was suggested that light steel channels be used for truck runways. These channels should be in sections preferably 5 ft. in length. Where reinforcing mesh is used, portable swivel type conveyors to take care of at least 20 ft. of subgrade could be utilized.

13. The use of bulk cement frequently presents an economic and, from an engineering standpoint, thoroughly satisfactory operation. However, the decision in this matter should be reached after an investigation as to the adaptability of the project to be constructed to such a method.

14. Engineers, in permitting the use of ready mixed concrete should, at all times, satisfy themselves that the operator is sufficiently equipped both from the standpoint of personnel and mechanical equipment, to produce and deliver the product in sufficient quantity and of a quality which is acceptable.

Survey of Questionnaire

In order to comply with the many requests being received from engineers, contractors and manufacturers of equipment, the American Road Builders' Association has conducted a survey to determine the extent to which ready mixed concrete was being permitted in paving specifications, the results being obtained, along with lines improvement was needed, and in cases where the product was not permitted under the specifications, the principal objection to its use.

Accordingly, a questionnaire was prepared containing the following questions:

1. Do you permit under your specifications the use of concrete mixed in a central mixing plant?
2. Do you require the product to be agitated en route from the mixer to the job?
3. What is the maximum time allowed between mixing and placing?
4. Do you permit, under your specifications, the use of concrete mixed in transit?
5. Do you use the slump test for concrete?
6. If so, what is the maximum slump permitted for concrete for one-course concrete paving?—for concrete base?
7. In case of reinforced concrete pavements, how is reinforcement handled so as to permit delivery units to back up along the grade to the point where concrete is to be deposited?
8. Do you experience difficulty with trucks cutting up subgrades?
9. If so, how is this overcome?
10. From your experience with central or truck mixed concrete, or what methods of construction or equipment are improvements needed?
11. If you do not permit the use of central or truck mixed concrete, what are your principal objections to same?

The questionnaire was then sent out to all state highway departments and to 102 cities selected at random over the country, usually 2 to each state.

That the use of this product is of unusual interest is evidenced by the

fact that out of 150 questionnaires sent out, 103 replies were received, without a "follow-up" letter. Forty-two of the 48 states replied, and 61 of the 102 cities.

In many instances these replies were accompanied by a letter stating that the engineer was in no way familiar with the use of ready mixed concrete, and requesting general information on same.

Analysis of Replies

From the replies received, it is evident that in many instances the engineer has failed to keep up with the development of the ready mixed concrete industry. In general, the engineer thinks of ready mixed concrete in accordance with the experiences of 1918-1921. He views it as a product reaching the job in a segregated condition, at infrequent intervals, with no regard as to consistency, generally unsatisfactory, and an operation over which he cannot exercise the proper control.

However, a check of these unsatisfactory conditions, when ready mixed concrete is being produced from a modernly equipped plant, intelligently supervised, shows that they can and have been completely eliminated.

Attached to his report will be found a tabulation showing the replies from state highway departments and cities to the questionnaire submitted. An analysis of this tabulation discloses the following information:

Of the 42 states, 23 permit under their specifications, or under special provisions, the use of ready mixed concrete; 16 do not, and 3 simply state that they have had no experience. Three, in the case of central mixing plants, required the product to be agitated en route. The maximum time allowed between mixing and placing varies from 30 to 60 minutes, with the average being 40 minutes. The slump test is used in 30 of the 42 states. The maximum slump for one-course concrete pavement reported is 3.5 inches, the minimum 1 inch, and the average 2 inches. For concrete base 4 inches is the maximum, 1.25 inches the minimum, and 3 inches the average.

Of the 56 cities tabulated, 38 permit the use of ready mixed concrete, 11 do not permit its use, and 7 state that they have had no experience with this method. The time allowed between mixing and placing varies from 10 to 60 minutes, with the average being approximately 45 minutes. The slump test is practically universally used with the average slump for one-course concrete being 2 inches and for concrete base 3 inches.

In view of the data collected on, and the experience of the members of the committee with ready mixed concrete, there are 3 difficulties which must be given particular attention. These are as follows:

1. Damage to subgrade by hauling equipment.
2. Water control.
3. The transfer of the product from the hauling unit to the subgrade.

Damage to Subgrade

The damage to the subgrade by the hauling equipment presents a problem entirely different from that encountered when a mobile paver is used on the grade. Trucks hauling aggregates to a paver will, of course, damage certain subgrades just as ready mixed concrete equipment will, but in the case of a paver, the operator is given an opportunity to correct this damage immediately behind the mixer, and before the concrete is placed. However, in a ready mixed concrete operation the concrete is dumped from the hauling unit direct to the grade and therefore frequently the opportunity to fill the ruts caused by the hauling unit is not afforded. Apparently, the most economical and

satisfactory manner of correcting this condition is by the use of comparatively light channel irons. These irons are used as runways for the truck, and should be in sections preferably 5 ft. in length. By using as runways channels so constructed, the end section nearest the concrete can be removed, and brought forward, and thus eliminate moving ahead the entire runway.

Water control and the transfer of the product from the hauling unit to the grade were given serious consideration. In order to get a consensus of opinion on these matters from engineers in general, a questionnaire was mailed out to all state highway departments and to the same cities as previously referred to, asking the following questions:

1. Could satisfactory results be obtained by the use of a conveyor for transferring the concrete from the hauling unit to the subgrade?
2. Could satisfactory results be obtained by the use of a chute for transferring the concrete from the hauling unit to the subgrade?
3. Could more satisfactory results be obtained by weighing the water rather than by the use of volumetric proportioning of same?

Thirty-five of the 48 state highway departments replied, and 47 cities. Of the 35 state highway departments replying 21 reported that satisfactory results could be obtained by the use of a conveyor to distribute the concrete; 4 stated that satisfactory results could not be obtained, and 10 stated "no experience."

On the question relative to the delivery by chute of the material, 18 replied that satisfactory results could not be obtained, 9 replied that it was all right and 8 reported "no experience."

Whether or not more satisfactory results could be obtained by weighing the water than by the use of volumetric proportioning was covered as follows:

Negative	19
Affirmative	9
"No experience"	7

35

A summary of the 47 replies from cities is as follows:

	Yes	No	Blank
Question No. 1.....	33	9	5
Question No. 2.....	14	30	3
Question No. 3.....	12	30	5

Delivery of Product

After studying the detailed replies and a full discussion of the matter, the committee is of the opinion that the most practical solution of the problem lies in the development of a swivel type conveyor which will place the product where it is needed on the grade. The development of such equipment will overcome the present difficulty encountered where mesh reinforcing is used, make possible the reshaping of the subgrade behind the hauling equipment and eliminate the possibility of nonuniform density which may be caused by the concrete being dumped in a pile and pulled into place by hand labor.

Water Control

The problem of water control is not confined to ready mixed concrete production, but is present in any concreting operation. If the majority of the opinions expressed in the replies to the questionnaire are to be considered, then there is no advantage in weighing the water.

The committee feels that the problem of water control is one from which the personal element cannot be eliminated and that most satisfactory results can only be obtained through close co-operation between and rigid inspection by both the operator and the user.

Bulk Cement

The use of bulk cement is an operation which is rapidly gaining favor in the concrete industry. It is an entirely satisfactory and economic measure if the work to be handled lends itself readily to an operation of this kind. However, the use of bulk cement should only be decided upon after a careful investigation of the project to determine whether or not the layout is such that the use of bulk cement would be of advantage.

E. J. MEHREN HEADS PORTLAND CEMENT BODY

By electing a president from outside the industry who will devote his whole time to the position, the Portland Cement Association, so the chairman of its Board, Frank H. Smith, announced today, has broken two precedents of long standing. Heretofore the leader of the Association has been a president of one of the portland cement manufacturing companies. During his term of office he has not only guided the work of the Association but has also continued to operate his own company. The duties of Association president are so heavy, however, that the industry felt it unfair to continue to impose this burden upon the president of any one of its member companies.

Consequently, the Board of Directors has elected as president, Edward J. Mehren, vice-president of the McGraw-Hill Publishing Company. Mr. Mehren has been prominent in engineering and business circles through his participation in the work of engineering societies and business organizations.

He was editor for ten years of Engineering Record and Engineering News-Record, the leading publication of the construction industry. Later he became vice-president and editorial director of the McGraw-Hill Publishing Company, and latterly has been in charge of the company's activities in the Middle West, with headquarters at Chicago. He has been at various times a member of the executive committee of the New York Building Congress and father of its well known craftsmanship awards system; director of the American Road Builders Association, member of the committee on highways and motor transport of the U. S. Chamber of Commerce; chairman of the Marketing Problems Committee, Illinois Manufacturers Association. He is a member of the American Society of Civil Engineers, of the Western Society of Engineers, of the University Club, New York; the Union League Club, Chicago. He is a graduate of Loyola University, Chicago, and of the University of Illinois. Mr. Mehren assumes his new office September 1.

PLUMBING DEVICE COMPANY FORMED

Marchant Plumbing Devices, Ltd., has been organized under Nevada laws to take over business and assets of Marchant Valve Corporation and to start a sales campaign on a recent plumbing invention. A. H. Marchant is president and E. H. Marchant, chairman of board and general manager. These two men developed the Marchant calculator. Marchant Plumbing is not connected in any way with Marchant Calculating Machine Company, however.

The State Corporation Department yesterday authorized the sale of 748,700 shares of A stock to the Marchant Valve for business and assets, 26,250 shares of A and 1000 shares of B in cancellation of indebtedness and the sale of 50,000 participating preferred at \$3 a share.

Nevada State Laws

Apply on Hoover Dam Project, says Mashburn

Enforcement of the state's semi-monthly pay-day law for 9,000 men employed by the Six Companies, Inc., under their contract, will be attempted by William Hoyle, state labor commissioner at Nevada who is in Las Vegas carrying with him an opinion rendered by Gray Mashburn, attorney general, holding that the Nevada laws are applicable to the Boulder dam work.

The attorney general's opinion was given at the request of Hoyle following receipt by Hoyle of letters from the State Federation of Labor protesting against the proposal of the Six Companies, Inc. to pay workmen but once each month.

In his opinion Mashburn holds that the federal government has not legally created a federal reservation at the site of Boulder Canyon operations and therefore Nevada's laws, including its labor laws, tax laws, mine inspector act, industrial insurance act and other civil laws, are applicable there and can be enforced.

If the Six Companies, Inc., resist the demand of Hoyle that semi-monthly pay-days be continued by the contractors suit to enforce the law will probably be instituted by the state.

The question of collecting personal property taxes within the confines of the reservation created by the federal government at the project has also been brought to the attention of the attorney general of Clark county officials and the opinion rendered also covers this point.

Louis C. Cramton, special attorney, who has charge for the government of the reservation, is said to hold the view that personal property within the reservation is not subject to taxation by the state and county while Clark officials contend that all property there excluding that owned by the United States government is subject to the same taxation as other property in the county.

Employers Against Electrical Insurance

A strong fight to defeat the demands of union electricians that they be provided with life, accident and old age disability insurance at the expense of the employers is in prospect, says a bulletin of the National Association of Building Trades Employers, based on information received from the St. Louis electrical trades. The St. Louis association reveals it has received pledges of \$12,000 from outside sources to combat these compulsory insurance demands.

Some of the objections are that the rates specified by the electricians are too high, that the agreement is unconstitutional and that the Missouri Supreme Court has ordered the Electrical Protective Association, from the state parkland as being the province of compelling contractors to provide the insurance protection.

The new agreements demanded by the union call for a payment of insurance premiums to a special board of trustees set up by the union. 35 cents an hour is to be paid to each journeyman electrician and 25 cents an hour for apprentices. In addition, journeymen are to be paid \$13.20 a day for 8 hours work.

In the quo warranto proceedings instituted against the Electrical Protective Association and three other electrical groups by the Attorney General, it was estimated that the insurance feature cost approximately \$200,000 in its inception.

THE OBSERVER

What He Hears and Sees on His Rounds

California is not the only state that is holding up public works construction with a view to incorporating new legislation in the calls for bids and contracts. New highway work in Illinois totaling \$10,000,000 will be delayed from six to eight weeks because of the state prevailing-wage law, which went into effect July 1, it is estimated by Frank T. Sheets, state highway engineer. The full effect of the law cannot be determined until the attorney general renders a formal opinion.

No delay is expected in Wisconsin on account of a similar law, because of a ruling by the attorney general to the effect that until the state industrial commission has advised what the prevailing rates are, contracts will be awarded and work let as heretofore.

Read estate sales in San Francisco for the first 6 months numbered 4263 with a value of \$35,769,273 a decline of 3% in number and 22% in value compared to the same period a year ago. June sales of \$5,800,002 represented a gain of 11% over May but a 14% drop over June a year ago. Mortgages and Deeds of Trust numbering 9500 and amounting to \$62,469,669 during the first 6 months declined 1%, June mortgages amounting to \$10,542,829 gained 17% over May but was 6% below the same month a year ago. Releases numbering 9837 and amounting to \$64,126,423 represented a 2% gain in number and 1% loss in amount compared to a year ago. June releases amounting to \$10,755,435 gained 34% over May and 23% over the same month a year ago.

"The tentative proposal to establish a central mortgage banking system, similar to that of the Federal Reserve Bank, advanced last month by the National Association of Real Estate Boards, involves a plan of prime value to every responsible general contractor," says the A. G. C. Constructor. "It is identical in its main features with the proposals submitted to President Hoover's Committee on Home Building and Home Ownership by A. E. Horst, then President of the Associated General Contractors of America, in September, 1930.

"The National Association of Real Estate Boards advocates that through national legislation there be provided a Central Mortgage Bank with regional discount branches. The Central Mortgage Bank would supervise the work of the branches, see that proper procedure and practice was followed in making appraisals, and establish other standards which would determine whether or not the construction paper of individual mortgage companies might be discounted.

"The finances for the central bank and its branches would be raised by the sale of collateral bonds against the pooled mortgages held. The plan in its general outlines is feasible and economically sound and should have the support of building and loan associations, responsible mortgage bankers, general and subcontractors, architects, manufacturers, and the general public.

"The idea has been advanced, however, that the plan is essentially a measure for the solution of home financing problems. That such a plan—and the measure of control over appraisal methods and specification writing that it exerts—is even more es-

sential in the field of larger building operations is self evident to all who are familiar with the condition of the real estate bond market today."

Iowa has passed a law requiring that citizens of the state must be given preference in hiring workers on all public construction work. The law further provides that failure of any person connected with any of the commissions, boards, etc., in charge of awarding contracts, to give preference to Iowa labor as required by the new statute, shall be guilty of a misdemeanor, and subject to a fine of \$100 or 30 days imprisonment for each separate offense.

A bill providing that the prevailing rate of wages be paid on all public construction work was defeated in the Michigan state legislature. This act contained no provision for determining the rate of wages before the contract was awarded. A bill providing for the licensing of contractors was passed by the Senate but was killed by the House.

Kansas has enacted a law providing for the eight-hour day and another for payment of the prevailing local wage scale. It was also provided that the bonding company should be made liable for the contractor's labor, materials and equipment used on the job bonded.

The bricklayers of Chicago on August 1st, will go on the five-day week with no change in wages.

Compensation rates for workmen were slightly increased in Illinois by an amendment bill passed by the Legislature.

An estimate that a combination of wage cuts, part time employment and unemployment cost workers more than \$2,500,000,000 in wages during the half of 1931 is announced by the American Federation of Labor.

It is said these losses are due to wage cuts, known to have affected more than 125,000 workers in factories alone and not caused by large employers of labor. The American Federation of Labor attributed the general upholding of wage standards by the larger firms at least in part to President Hoover's conference in December, 1929, with prominent industrial and labor leaders.

September 29 is the date set by the Metropolitan Water District Board of Directors at Los Angeles, to vote bonds of \$220,000,000 to finance construction of the Colorado River aqueduct. Action a week ago had determined that a 1500-second foot, full capacity aqueduct would be erected following recommendations of Chief Engineer Frank E. Weymouth. It also was determined at that time that the cost would be \$220,000,000, including the construction of distribution lines to the member cities of the district.

A protest was recorded by the Santa Barbara County Farm Bureau directors against a proposed county-wide plumbing ordinance. The ordinance calls for county inspection of all plumbing outside of incorporated cities and a fee for the inspection. The farm bureau directors are said

to have no objections to a plumbing ordinance for county sanitary districts.

Engineering Data Sheet No. 1, issued by Yeomans Brothers Co., 1433 Dayton St., Chicago, Ill., contains information on the selection of water supply pumps for buildings, including a chart for figuring pump capacities and other related data.

David Paganini, Sacramento contractor, and the Dinuba Steel Co. of San Francisco last Tuesday were awarded a superior court verdict of \$7,000 against Glenn County for work on the new jail. The plaintiffs sued after the supervisors had exhausted the jail budget and the county treasurer had refused to honor their warrants.

Directors of the Republic Steel Corp., Cleveland, Ohio, in a statement issued last Tuesday, showed a loss for the quarter ending June 30, 1931, of \$1,092,304.70, compared with \$1,692,593 for the preceding quarter.

A. D. Austin, a journeyman plumber of Los Angeles, made a change in a soil line without having a certificate of qualification. He was given his preference of paying a \$20 fine or staying five days in jail.

The seventh annual (1931) edition of the Road and Street Catalog and Data Book has just been issued by the Gillette Publishing Company of Chicago. The book is a complete compendium on road building and contains a great amount of valuable information for the engineer and contractor alike. Specifications for various kinds of construction have been brought up to date and the cost data given reflects present day conditions and prices. This book should be in the hands of every road builder who wants to estimate his work in line with the best practice. Halbert P. Gillette, authority on construction cost data, is the editor. The book is standard catalog size and contains 338 pages.

The successful use of belt conveyors on a variety of concrete construction jobs is described and illustrated in "Concrete Handling," a new 44-page book printed and made available through the Barber-Greene Co., Aurora, Ill. Besides the job descriptions, this book contains specification data on the Barber-Greene concrete conveyors.

International - Stacey Corp., Columbus, Ohio, has transferred E. A. McCallum, who has been in charge of the San Francisco offices, to Pacific Coast headquarters at Los Angeles.

Specifications and details of construction of the Bucyrus-Erie 37" B 1½ to 1½ cu. yd. shovel-dragline-clamshell-lifting crane are given in a 24-page bulletin published by the Bucyrus-Erie Co., South Milwaukee, Wis.

John Daniel Sullivan, pioneer Santa Rosa masonry contractor, died in that city last Saturday, following an illness of several months. Active and working at his trade until taken critically ill early this year, Sullivan declined to retire despite his 79 years.

Type F steel grating, designed to fill the demand for a strong inexpensive and lightweight open steel flooring and type M bridge and floor slabs, for installations requiring considerable strength and resistance to impact, as well as other types of steel flooring and floor armoring, are described in a 20-page catalog published by the Kerlow Steel Flooring Co., 220 Culver Ave., Jersey City, N. J.

ALONG THE LINE

Ernest J. Holland, 45, general contractor of Woodland, Calif., died in that city last Monday, following an extended illness.

John P. Hemphill, general manager of the Madena Sugar Pine Lumber Co., and J. H. Clifford of the Sugar Pine Lumber Co. of Pinedale, Calif., were elected directors of the recently organized Western Pine Association at Klamath Falls, Ore., which organization will maintain headquarters at Portland, Ore. The association plans to develop foreign and domestic markets and to balance production and consumption of lumber.

H. J. Brunner of San Francisco has been elected president of the State Board of Registration for Civil Engineers.

Donald M. Baker, Los Angeles, retiring president, was named vice president, and Albert Givan, Sacramento, was re-elected secretary.

The board announced examinations for civil engineers' licenses would be held in October in San Francisco and Los Angeles.

W. R. Carswell has been elected vice-president and manager of the Northern California Building and Loan Association. Carswell was formerly assistant vice-president of the Anglo-California Trust Company.

Robert Vance Orbison, city manager at Pasadena, for the past six years, has submitted his resignation to the city board of directors, to become effective not later than Sept. 1, this year. The resignation was accepted by the board.

A. J. Hurley, city building inspector of Richmond and a member of the Executive Committee of the Pacific Coast Building Officials' Conference, has been elected secretary of the board of directors of the Contra Costa County Builders' Exchange.

Rigid economy must be practiced by city departments, James Dean, city manager of Sacramento, warns, due to the falling off in city revenues. It was estimated revenues for the year, exclusive of taxes, would total \$1,105,000 and for the first six months the collections totaled \$484,154, less than half of the yearly estimate.

Research publication 305 of the Wallace & Tiernan Co., Inc., Newark, N. J., discusses the ammonia chlorine process and its application in the treatment of water.

Peterson-Johnson sawmill, located on the Lakeview-Klamath Falls Highway, near Klamath Falls, Ore., was destroyed by fire last Wednesday. The mill had been operating continuously for the past five months and had been sawing a heavy output of lumber.

Recent publications of the Worthington Pump & Machinery Corp., Harrison, N. J., include bulletins and specification sheets on the following types of pumps: horizontal duplex piston; horizontal triplex single-acting power; horizontal duplex double-plunger power; single- and multi-stage centrifugal; and horizontal duplex double-plunger steam.

HERE—THERE EVERYWHERE

Directors of the American Oil Burner Association at a recent meeting in Toronto went on record as opposing any tariff or embargo on petroleum products on the ground that such an embargo is contrary to the principles of conservation and against public policy. In taking this stand, the directors declared that an embargo or tariff would not serve to curb the wasteful overproduction of oil in this country but would actually encourage increased production and contribute to the problems of the oil industry. A curb on the import of petroleum products is also against the principles of conservation of our natural resources, they said.

National City has adopted the uniform building code of the Pacific Coast Building Officials' Conference, which has now been adopted by 98 cities.

Second meeting of the Northern California Federation of Plumbing & Heating Industries, will be held at the Hotel St. Claire, San Jose, September 26, it is announced by Alexander Coleman, president of the body. Chas. Merritt of San Jose, is chairman of the committee arranging for the meeting.

An amendment to the Nebraska state lien law was defeated. The law would have required that parties furnishing materials, etc., for a building submit an invoice of the same to the owner of the building within 10 days after delivery of goods at the site.

Link-Belt Co., Chicago, Ill., announces the retirement, after 30 years of service, of Harold H. Clark as vice-president and assistant secretary of the Pacific division of the company. He is succeeded by Ralph M. Hoffman, for the past eight years manager of the Seattle office.

Articles bonding the recently organized Hammond and Little River Redwood Company, Ltd., in the sum of \$4,250,000 with the Wells Fargo Bank and Union Trust Company have been filed with the county recorder at Eureka. The transaction is the largest of its kind in Eureka in recent years.

A new fence booklet which contains many illustrations of typical fence installations, has recently been published by the Page Fence Association. It also contains various style sheets of Chain Link and Wrought Iron Picket Fences. This booklet is titled "The Border Patrol" and may be had by addressing the Page Steel & Wire Co., Bridgeport, Conn.

Leipzig Trade Fair, Leipzig, Germany, will be held this fall from August 30 to September 3. Detailed information can be obtained from the Leipzig Trade Fair, Inc., 10 East 40th St., New York City.

San Francisco's personal wealth has grown from \$72,132,000 in 1917 to \$607,885,000 in 1929, according to a report issued by Assessor Wolden.

Blaw-Knox Co., Pittsburgh, Pa., announces that Nicholas Gerten, formerly vice-president of the Blaw-Knox International Corp., New York City, has been elected president of that organization.

TRADE NOTES

W. P. Fuller and Co. has opened new quarters in Fresno at 1246 Fulton St., with Jack Luftenburg as store manager and A. B. Chase, district manager. The branch will carry a complete line of paints and varnishes.

P. F. Reilly and John Grace, announce their association in the general contracting business, with offices in the Claus Spreckels Bldg., 703 Market Street, San Francisco. Reilly was a former partner in the firm of Reilly & Nemetz and Grace, formerly a partner in the firm of Grace & Bernier.

Decarie Incinerator Corp. announces the joining of its interests with a recent personnel of the Nye Odorless Incinerator Corp. under the name of D-N Corp., which will function as both a holding and an operating company. The new organization will be in position to furnish practically any known type of modern incineration plant, and has also acquired franchises and ownership of various types of sewage-disposal equipment. Executive offices will be at Winston-Salem, N. C., with branch offices in a number of leading cities.

Appointment of Arthur W. Clark as managing secretary of the newly created Dealer Division of the American Oil Burner Association is announced by Lionel L. Jacobs, chairman of the board of governors of the dealer division at a recent meeting of Association Directors at Toronto. Clark, former vice president of the Wayne Home Equipment Company of Fort Wayne, Ind., has already assumed his duties.

Michigan has passed a law making it a felony for a contractor who, with intent to defraud, retains or uses the proceeds of an agreement made to him on a job, for any other purpose than to pay laborers, subcontractors and materialmen engaged by him on the job so long as any payment for these purposes is due or will become due. Any contractor convicted of violating this law shall be punished by a fine of from \$100 to \$5000 and/or not less than six months nor more than three years' imprisonment in a state prison.

Two bills affecting the construction industry failed to pass the Massachusetts state legislature. One would have made it necessary for a contractor residing outside of Massachusetts to uncerbid a contractor residing within Massachusetts by a certain percentage. The other bill providing for prequalifications of bidders on public works, was referred by the Legislature Committee to the next General Court which meets next winter.

Three pieces of legislation which would have affected contractors adversely had they been passed, were killed in the New Hampshire Legislature. One bill would have made it mandatory for the state highway commission to construct and maintain public highways by day labor. Another bill proposed to amend the law so that work would be awarded not to the lowest responsible bidder, but to the lowest responsible New Hampshire contractor. An attempt was also made to enact a law compelling contractors to employ only bona fide citizens of the state.

TRUCK BODY FOR AGITATING CONCRETE

A distinctive cone-shaped drum with twelve-sided panel design is a feature of the Smith truck mixer and agitator body announced by the National Equipment Corp., Milwaukee, Wis. The unusual shape of the drum gives a five-to-one rotating action without reversing the direction of rotation, and also provides for positive discharge of the contents without hoisting or tilting the drum, and with full control of discharge speed. The rotating section of the body is mounted on roller and ball bearings and is driven by a separate power unit. Two sizes are available, the smaller with a capacity of 1 cu. yd. as a mixer and 1½ cu. yd. as an agitator; the larger with corresponding capacities of 2½ and 3 cu. yd. A third model, with a capacity up to 4½ cu. yd., will soon be available.

OVERLOADED TRUCKS ON HIGHWAYS FINED

Unceasing warfare against overloaded trucks by the California Highway Patrol has resulted in the arrest of 2877 drivers of such vehicles within the last six months.

Records of the patrol show a large percentage of these paid fines, the courts throughout the state concurring in the position of the patrol that such drivers do thousands of dollars worth of damage annually to the highways with trucks loaded beyond their normal capacity.

A report filed by Inspector A. J. Ford, head of the Bureau of Brakes and Commercial Vehicles, with Superintendent E. Raymond Cato shows a total of 9437 trucks checked during the period January 1st to July 1st.

Of these the drivers of 5641 were warned. Actual arrest citations were issued to 2877.

Superintendent Cato announced a permanent detail of officers had been assigned to the checking of overloads throughout the state.

The major percentage of arrests was made in the populous agricultural counties of the state where large numbers of trucks are used.

MULLEN, LABOR EDITOR, PASSES

James W. Mullen, state labor commissioner and editor of the Labor Clarion, died in San Francisco last Saturday after a long illness.

Mullen, who was 56, was recognized as one of the nation's outstanding labor leaders. Stricken with a heart attack some months ago, he never regained his strength. He was named labor commissioner by Governor Rolph only a few months ago.

A member of Governor Young's education committee, Mullen was active in recent years in state and civic affairs, and was a trustee of Typographical Union No. 21 and a member of the war memorial board.

He came to San Francisco from Iowa in 1902. In 1910 he was a member of the city's board of health. A bachelor, Mullen is survived by three sisters, two brothers, and his mother, Mrs. Johanna Mullen of San Francisco.

Westinghouse Air Brake Co., Wilmerding, Pa., announces that S. W. Dudley, Strathcona professor of mechanical engineering and chairman of the department of mechanical engineering at Yale University, has rejoined its engineering organization in an advisory capacity with the title of assistant to the president. Prof. Dudley will retain his university connections.

STATE HIGHWAY BID CALLS HALTED UNTIL AUGUST 14

No new highway or bridge projects will be advertised for by the State Highway Commission until after August 14 in order that all contracts awarded after that day may contain provisions relating to prevailing wage scale and alien labor, in accordance with laws passed at the recent session of the legislature and which go into effect Aug. 14. The attorney general recently stated that all contracts advertised prior to Aug. 14 must be awarded before that date or they would have to conform to the new law. The estimated amount of projects to be awarded after that date and before Dec. 31 is \$9,000,000.

OIL BURNER SALES ON THE INCREASE

Substantial increases in business for the first six months of 1931 over the same period last year were reported by twenty-five leading manufacturers of oil burning equipment at a recent manufacturers' conference at Toronto. The increases ranged from a few per cent in some cases to as high as 107 per cent in others, and one large manufacturer reported a 78 per cent increase over 1929 which was a banner year for the industry.

The manufacturers attributed the increase to an enlarged advertising campaign and a more vigorous merchandising program. Increases in newspaper and magazine advertising ranged from 10 per cent to 200 per cent and most of those present indicated their intention to continue the advertising drive.

Walter F. Tant, president of the American Oil Burner Association, under whose auspices the conference was called, declared that the gain shown in the first six months of this year indicated that the low point in the oil burner industry had been passed several months ago and presaged a record-breaking year for the industry as a whole. At the same time Tant warned the manufacturers that they should profit by the experience of older industries and work together to avoid the pitfalls experienced by others if they care to reap the maximum benefits from the opportunity presented.

The president urged manufacturers to co-operate closely with their buyers to see that the best possible service was given to the public. The problems of the dealer, he said, are the problems of the manufacturer. Mutual assistance should be rendered by all in meeting the industry's problems.

The manufacturers discussed their distribution methods and President Tant expressed the opinion that the largest volume of sales would be through dealers rather than through factory branches.

Advertising and general trade practices were discussed and suggestions were received for building up a reasonable and constructive code for the guidance of the industry generally. Those manufacturers attending the conference agreed to instruct their advertising departments to prepare their copy in keeping with the spirit as well as the letter of the code.

S. B. SCIENCE UNIT BIDS ARE REJECTED

The State Department of Public Works, Division of Architecture, has rejected all bids to construct the science building at the Santa Barbara State Teachers' College. The bids were in excess of the amount available for construction. The department allotted \$117,000 for general work, plumbing, heating, electrical and ventilation installations. Officials of the department said they would readjust the plans to bring down costs and readvertise sometime after August 14 when so-called labor laws passed by the 1931 legislature become effective.

These laws limit the employment of persons on public works to American citizens and provide that the prevailing wage scale shall be paid.

BUILDING PARTNERS ACCUSED OF FRAUD

Preliminary examination of Marcell J. Marquis, 1514 J Street, Alameda, and his alleged partner in a construction company, Ray Coney, 915 Pacific Ave., Alameda, will be held in Oakland August 7. They were arraigned last Monday on charges of grand theft and conspiracy to defraud. Both are at liberty on \$2500 bail.

They are accused of obtaining \$1508 from William Vivian, 353 Broadway, Santa Cruz, in payment for a service station which was to have been erected on East Fourteenth street.

They assertedly informed Vivian the station was completed and demanded additional money for performance of the contract. Vivian paid a portion, it was said, and later caused their arrest when he learned the station had not been finished.

CLE ELUM DAM AWARD PENDING

Dr. Edward Mead, U. S. Commissioner of reclamation, has announced that formal announcement of the contract award on the Cle Elum dam might be expected at any time from Washington, D. C. At the same time the low bidder, Winston Bros., 4580 Colorado St., Seattle, announced that work on a construction camp would start at once and that a plant for driving the first unit of the project, a 1500-ft. tunnel and a gate shaft 125 ft. high, would be assembled immediately.

Four power shovels, a 2½-yd. Montan and other equipment will be needed to excavate about 2,000,000 cu. yds. It had not been definitely decided whether new equipment would be purchased or used machines be shipped from other jobs. The tunnel will be 14 ft. in diameter, will be lagged with steel and lined with reinforced concrete, 3,500,000 lbs. of reinforcing steel and 35,000 cu. yds. of concrete being involved.

One year will be required to build the tunnel. It is a \$3,500,000 contract, with an initial appropriation of \$1,500,000.

STATE PLASTERERS NAME ASST. COMM.

Donald R. Wadle, secretary of the Contracting Plasterers' Association of Los Angeles has been appointed assistant to Earle M. Daniels, commissioner of the California State Conference of Master Plasterers' Associations. Wadle has been secretary of the Los Angeles association since 1927 and has also served as secretary of the State Conference.

ZONE PLAN APPROVED TO ESTABLISH PREVAILING WAGE SCALE TO MEET SENATE BILL 26

(BY THE OBSERVER)

Adoption of the Zone Plan with a view to establishing a rate of wages to be paid on public works construction in the state of California, as provided in Senate Bill No. 26, adopted at the last session of the Legislature, was voted yesterday at a meeting of the State Wage Conference in the quarters of the San Francisco Builders' Exchange.

The meeting was called at the request of the state branch of the Associated General Contractors of America with a view to compiling a definite schedule of wages to enable contractors to bid intelligently on public works construction. The meeting was attended by representatives of various branches of the Associated General Contractors of America, Builders' Exchanges throughout the state and the leading representatives of the construction industry from those sections not represented by craft organizations.

S. G. Johnson, vice-president of the Alameda Chapter of the Associated General Contractors of America, in motion of Mano Zan, secretary-manager of the Los Angeles Builders' Exchange, was elected chairman of the meeting, and Wm. E. Hague, secretary of the Alameda County Chapter, A.G.C., was elected secretary.

Highlights in Bill

Chairman Johnson reviewed the important sections of Senate Bill No. 26, approved by Governor Rolph on May 25 and which becomes effective on August 16, next, stating that the bill provides that there shall be paid to laborers, workmen and mechanics not less than the general prevailing wage rate of per diem wages on work of a similar nature being paid in the locality in which the work is performed. Such rate is to be ascertained by the awarding body and shall be set forth in the notice to bidders and in the contract. The bill further provides that the contractor maintain records of the wages paid all workers engaged, such records to be open to the inspection of the proper public officials. It also provides for a forfeiture for each calendar day any worker is paid less than the prevailing wage rate.

Violation of the act, Johnson declared, is punishable by a fine of not exceeding \$500 or by imprisonment for not exceeding six months, or by both fine and imprisonment.

Data Presented

Secretary Hague presented an elaborate schedule of wages being paid the various crafts throughout the state, based upon reports received from Builders' Exchanges and other reliable sources. It developed at the meeting that in a great many instances, outside San Francisco Bay District, that many crafts are being paid less than the so-called "prevailing wage." Some cities reported both a union and non-union scale. All reported working on an eight-hour basis. Five reported working the 5-day week. Twelve cities are operating on the American Plan basis and three on the closed shop program.

One wage cut, of particular interest, was that reported from Los Angeles where the rate for plasterers was reduced from \$12 to \$9 a day "by mutual agreement."

The Zone Plan adopted as a basis for setting a prevailing wage scale was adopted by a vote of fifteen to five. This plan provides for dividing

the state into four sections, similar to that adopted by the engineering contractors engaged in the construction of highways and bridges and which is now being considered by the State Department of Public Works.

Zones Outlined

The Zone Plan, as proposed, would group the state into four sections as follows:

Zone 1—Comprising all Southern California Counties.

Zone 2—Los Angeles Metropolitan Area.

Zone 3—That section north of the Tehachapi including Santa Barbara north.

Zone 4—San Francisco Bay Area.

Monterey County, it is understood, desires to be included in the San Francisco Zone so as to operate under the scale of the Impartial Wage Board and thus eliminate any possible discrepancies in bidding with contractors from the San Francisco Bay District, particularly on large projects when San Francisco competition enters that territory.

Motions Adopted

Following consideration of the various wages being paid throughout the state, Wm. H. George, president of the San Francisco Builders' Exchange, moved that the secretary of the Conference be authorized to go to Sacramento and present his data as the adopted wage scale of the Conference "as reported" but not as the "prevailing wage scale," due to the fact that former is in most cases, if not all, two or three dollars below the adopted scale. This proposal carried unanimously.

Senator Arthur E. Boynton, managing director of the Industrial Association of San Francisco, offered the motion that the scale promulgated be in effect until January 1, 1932, and be fixed annually thereafter. This motion also carried by unanimous vote.

The meeting adjourned pending the call of the chairman.

RUSSIAN LUMBER MARKET EXPANSION CLOSELY WATCHED

The trend of events in connection with the attempt of a consortium of business interests in five countries to prevent expansion of Soviet Russian lumber markets is being watched closely by specialists in Federal departments, it was stated orally July 16 at the Department of Commerce and the Treasury, to the U. S. Daily.

The nations from which competitive efforts are being directed are Sweden, Finland, Estonia and Latvia, and their activities thus far have resulted in quotations on some kinds of lumber that are below those of the Soviet. A conference between the various interests of the five countries on the one hand and Soviet trade representatives on the other is in prospect with a view to establishing an understanding by which the Soviet lumber will no longer be sold at under-market prices.

Continued fall of Swedish-Finnish prices, which are now below the Russian schedules in the British market, has unsettled the British market where the Soviets have made large contracts.

OAKLAND DISMISSES 5 BUILDING INSPECTORS

Five men have been dismissed in the Oakland city building inspection department, effective immediately, for reasons of economy.

Announcement of the dismissal was made by A. S. Holmes, chief city building inspector, following recent statements by City Manager Ossian E. Carr to the effect that the building inspection department now has a larger force than several years ago when there were three times the amount of building operations in the city.

Carr has not yet dismissed any city employees directly, as he is waiting the report of a survey on their work and wages. Holmes says that he has reduced his staff voluntarily.

The saving to the city by these dismissals is estimated at \$155 per month. The men released include four inspectors at \$220 per month and one engineer at \$275. Holmes said they were released temporarily or until building conditions became better.

A rumor that the city building inspection department will be discontinued was denied today by City Manager Ossian E. Carr.

STOCK SALE MAY COST INSPECTOR JOB

Charles L. Hudson, city sanitary inspector of San Jose, faces dismissal from the city's employ as the result of his alleged recent stock-selling activities.

Hudson is charged by City Manager C. B. Goodwin with selling mining stock to a local auto camp operator whose auto camp was subject to Hudson's inspection.

The charges were filed with the city council and, in addition to the mining stock sale charge, accuse Hudson of "non-payment of his just debts."

Hudson is named as one of the defendants in a \$25,000 suit brought last week by the Pleasant View Mining Company against the Altaview Mining Company in Sierra County. The latter company is charged with failure to live up to the terms of a contract to operate a Sierra county gold mine.

Hudson will be given a formal hearing by the city manager in his office in the city hall tomorrow morning.

Hudson has been an inspector in the San Jose health department for six years.

1932 OIL BURNER SHOW AT ST. LOUIS

The ninth annual convention and oil burner show of the American Oil Burner Association will be held in Boston in April, 1932, it was voted at the recent meeting of the board of directors in Toronto, Canada.

Provision will be made at the 1932 meet for an exhibit of "live" products, featuring oil burners in actual operation during the convention.

In addition to selecting the 1932 convention city the directors took up several other matters of importance to the oil burner industry. The advertising and general trade practices code prepared by the committee was carefully reviewed by the directors. Suggested improvements and methods of enforcement were discussed and the code referred back to committee.

The directors also went on record as opposing any tariff or embargo on petroleum products, believing that such an embargo is contrary to the principles of conservation and against public policy. The uniform ordinance committee reported material progress.

Building News Section

APARTMENTS

Plans Being Completed.
APARTMENTS Cost, \$40,000
SAN FRANCISCO. NE Webster and
Bench Streets.

Three-story and basement frame and
stucco apts. (six 3-room and six 4-
room apts.)

Owner—Viggo Rasmussen, 1900 Jef-
ferson Street.

Architect—R. E. Irvine, Call Bldg.
Electric refrigeration, oak floors,
special sound deadening in floors, tile
baths and showers, canvas walls,
steam heat (oil or gas burner) glazed
tile floor in lobby.

Grading Under Way.
APARTMENTS Cost, \$40,000
SAN FRANCISCO. N Cabrillo St. 90
W Thirty-first Avenue.

Three-story and basement frame and
stucco apartments (12 4-rm. apts.)

Owner and Contractor—Byron Fee-
rick, 891 39th Avenue.

Architect—Irvine & Ebbetts, Call Bldg.
Steel girders, elevator, tile kitchens,
baths and showers; glass shower doors.
Grading—P i o m b o Bros., 124 Parker
Avenue.

Sub-bids are being taken on other
portions of the work.

Preparing Working Drawings.
APARTMENTS Cost, \$250,000
LOS ANGELES, Cal. NE Santa Bar-
bara Ave. and Figueroa St.

Thirteen-story Class A steel and con-
crete apartments and stores.

Owner—Zobelein Co.
Architect—Carl Jules Weyl, 6536 Sun-
set Bldg., Los Angeles.

R. L. Langer & Co., 727 W. 7th St.
owner's agents, are making financial
arrangements. Bids will be taken
after August 10.

Owner Taking Bids.
APARTMENTS Cost, \$22,000
SAN FRANCISCO. West Castro Street
South 21st Street.

Three-story and basement frame and
stucco apartments (11 2- and 3-
room apts., garages; composition
roof).

Owner—F. A. Pachter, 1467 11th Ave.

Plans Being Figured—Bids Close Aug.
6th, 12 Noon.

APARTMENTS Cost, \$40,000
SAN FRANCISCO. Buchanan Street
and Waller.

Three-story and basement frame and
stucco apartments (4 3-room and
one 7-room apt.; tile roof, gas and
steam heating system, etc.)

Owner—C. McGowan, % architect.
Architect—Chas. Strothoff, 2274 15th
Street.

George McLeod, 3487 32nd Ave., and
Young and Horstmeyer, 461 Market
St., San Francisco, are among the con-
tractors figuring the plans.

BONDS

SANTA BARBARA, Calif.—Until 10
A. M., August 10, bids will be received
by county supervisors for the sale of
bonds of the Santa Barbara School
District in the sum of \$116,000; also
for the sale of bonds of the Santa
Barbara High School District in the
sum of \$200,000. Proceeds of the sale
will finance school improvements.

CHURCHES

Contract Awarded.
REMODELING Cost approx. \$5000
ANTIOCH, Contra Costa Co., Cal. 6th
and G Streets.

Remodel present church.
Owner—The Methodist Church (Rev.
W. P. Grant, pastor), Antioch.
Architect—Chas. McCall, 1404 Frank-
lin St., Oakland.
Contractor—Ferd. Stamm, 501 B St.,
Antioch.

Contracts Awarded.
SUNDAY SCHOOL Cost, \$135,000
HONOLULU, T. H.

Two-story concrete Memorial Sunday
School (30 rooms).

Owner—St. Andrews Parish.
Architect—C. W. Dickey, Honolulu,

T. H.
Contractor—R. E. Woolsey, Honolulu,
T. H.

Stucco exterior finish, interior par-
titions to be of concrete blocks, slate
roofing, concrete floors, standard
plumbing goods, Oregon pine and oak
interior finish.

Plastering—E. V. Fallgren Co., Ltd.,
117 S. Alvarado St., Los Angeles.

Plans Being Figured.
CHURCH Cost approx. \$100,000
SANTA BARBARA, Santa Barbara
Co., Calif.

One-story reinf. concrete and steel
church, tile roof (to seat 800).

Owner—First Church of Christ Sci-
entist.

Architect—H. H. Gutterson, 526 Powell
St., San Francisco.

Preparing Working Drawings.
CHAPEL Cost, \$100,000
SAN RAFAEL, Marin Co., Cal. Grand
Ave. and Locust St.

College chapel.
Owner—Dominican College, San Ra-
fael.

Architect—Arnold Constable, 580 Mar-
ket St., San Francisco.

Structural Engineer—K. Theill, 580
Market St., San Francisco.

Mechanical Engineer—Coddington Co.,
222 Kearny St., San Francisco.

Construction will probably not be
started until next Spring.

The building will be designed in the
early perpendicular Gothic style of the
14th century. The exterior will be of
natural stone with a slate roof. The

SKILSAW Portable Electric Hand
Saws (4 models).

SKILSAW Portable Electric Sander

SKILSAW Radial Arm Attach-
ments.

SYNTRON Portable Electric Ham-
mers (4 models, motor-
less).

MALL Flexible Shaft Machines (60
models).

Electric Drills, Grinders, Buffers,
Routers, Lock Mortisers.

PETER H. NELSON

Labor Saving Portable Electric
Tools.

1248 Mission St. UNDERHILL
San Francisco 7042

SALES . SERVICE . RENTALS

chapel will have accommodations for
500 students on the main floor while
in the gallery over the main entrance
vestibule there will be additional ac-
commodations for 100 students. The
sisters choir is provided in the south
transept.

To Take Bids Shortly.
ALTERATIONS Cost, \$—
SAN FRANCISCO. 2868 Bush Street.
Alterations and additions to church
(stucco front and inside finishing,
Spanish tile roof, increase to 140
capacity).

Owner—St. Louis Polish Roman Cath-
olic Church, 2868 Bush St.

Architect—Charles Fantoni, 550 Mont-
gomery Street.

Specifications being written.

Sub-Contracts Awarded.
CHURCH Cost, \$65,000
BAKERSFIELD, Kern Co., Cal. 18th
and C Streets.

Reinforced concrete church (terra cotta
tile roof).

Owner—First Church of Christ Scien-
tist, Mrs. Hans A. West, chairman
of Building Committee.

Architect—Edwin J. Symmes, Haber-
felde Bldg., Bakersfield.

Contractor—G. A. Graham, 613 19th
St., Bakersfield.

Auditorium will seat 500 persons and
walls will be surfaced with acoustic
plaster and decorated. "Acoustic-celo-
tex" will be used in one dome cell-
in. An organ, heating, ventilating
and cooling systems will be installed.

Plumbing—Smetzer Plumbing Co.,
Bakersfield.

Heating—Wm. Fisher, Bakersfield.

Electric—Advance Electric Co., Bak-
ersfield.

Roofing—Kern Co. Roofing Co., Bak-
ersfield.

Ornamental Iron, Miscellaneous Iron,
Steel Toilet Partitions and Steel

Sash—Kyle Co., Fresno.

Glass—W. P. Fuller Co., Fresno.

Mill Work—Visalia Planing Mill, Vi-
salia.

Plastering—Alex Simpson, Bakersfield.

Painting—M. F. Barnes, Bakersfield.

Lumber—King Lumber Co., Bakers-
field.

Cement—Yosemite Cement Co., Bak-
ersfield.

Rock and Sand—Bakersfield Rock &
Gravel Co., Bakersfield.

Prospective Bidders.
CHURCH Cost, \$40,000

CHICO, Butte Co., Cal.

Two-story brick church building.

Owner—Bidwell Memorial Church
(Rev. R. C. LePorte, pastor).

Architect—Chas. F. Dean, California
State Life Bldg., Sacramento.

The structure will be erected on the
site of the old Presbyterian Church.

Following is a partial list of the
contractors who will submit bids:

Gene Kenyon, North Sacramento.

J. P. Brennan, Redding.

W. J. Shalz, Chico.

Frederick Anderson, Chico.

C. J. Hopkinson, 1810 23th St., Sac-
ramento.

A. F. Rempter, Artols.

Lindgren & Swinerton, California
State Life Bldg., Sacramento.

Fred. Betz, 1017 43rd St., Sacra-
mento.

J. M. Evans & Son, Chico.

L. Van Black, Chico.

Bids are to be opened Aug. 7, 7:30
P. M.

FACTORIES AND WARE-HOUSES

Contract Awarded.
PACIFIC Cost, \$300,000
 LOS ANGELES, Cal. NW E-Twelfth
 and Exposition Streets.
 One-story brick and steel factory
 (100x15 feet) and two-story office
 building.
 Owner—Crown-Willamette Paper Co.
 Plans by Austin Co. of California, 777
 E-Washington St., Los Angeles.
 Contractor—Austin Co. of California,
 777 E-Washington St., Los Angeles

KLAMATH FALLS, Ore.—Peterson-
 Johnson Sawmill, located on the Lake-
 view-Klamath Falls Highway, was
 destroyed by fire July 15.

Steam and Pipe Fitting Contract
Awarded.
LAUNDRY Cont. price, \$32,870
 OAKLAND, Alameda Co., Calif. 730
 29th Street.
 One-story and mezzanine floor steel
 frame and brick laundry (175x280)
 Owner—Oakland Laundry Co., (C. B.
 Calow), 730 29th St., Oakland.
 Architect—Miller & Warnecke, Finan-
 cial Center Bldg., Oakland.
 Contractor—F. C. Stolte, 3443 Laguna
 St., Oakland.
Steam and Pipe Fitting—Geo. Schus-
 ter, 4712 Grove St., Oakland, \$2765.
 Other awards previously reported.

Additional Sub-Contracts Awarded.
LAUNDRY Cost, \$40,000
 SAN FRANCISCO. Heron St. east of
 Eighth Street.
 Three-story reinforced concrete class
 B laundry.
 Owner—Amalgamated Laundry Co.,
 355 8th St.
 Architect—Hyman and Appleton, 68
 Post Street.
 Contractor—Barrett & Hilp, 918 Har-
 rison Street.
Overhead Doors—Overhead Door Co.,
 557 Market St.
Plastering—Peter Bradley, 639 Bran-
 nan Street.
Steel Rolling Doors—Kennerson Mfg.
 Co., 361 Brannan St.
Misc. Iron—Anchor Post Fence Co.,
 460 5th St.
Reinforcing Steel—Pacific Coast Steel
 Co., 215 Market St.
Structural Steel—Western Iron Works,
 141 Beale St.
Steel Forms—Soule Steel Co., Rialto
 Building.
 Other awards reported July 22, 1931.

SAN FRANCISCO.—Three-story
 plant of the United Paper Box Co. at
 18th and Bryant Sts., suffered a \$300,-
 000 fire loss last Monday night. The
 structure is owned by Morris Spiegel-
 man of Atherton.

Construction Under Way.
ADDITION Cost, \$4000
 PORTERVILLE, Tulare Co., Calif.
 Addition to cannery.
 Owner—Neuhoff Cannery Corp., Por-
 terville.
 Architect—Not Given.
 Contractor—R. Hodgson, Porterville.

BAY POINT, Contra Costa Co., Cal.
 —Reports that the Armstrong Co. of
 New York, N. Y., plans to erect a \$1,-
 000,000 plant at Bay Point are denied
 by H. H. Truslow, treasurer of the
 corporation, who declares, however,
 that the company is considering plans
 for a Pacific Coast plant to be located
 on a site yet to be selected. The Arm-
 strong Co. is reported to have pur-
 chased a 132-acre site from the Coos
 Bay Lumber Company at Bay Point.
 This, according to rumor, is for
 the Pacific Coast plant of the Arm-
 strong Company.

Contract Awarded.
PLANT Cost, \$13,000
 YUBA CITY, Sutter Co., Cal.
 One-story frame and corrugated iron
 packing plant, 182x75-ft.
 Owner—Feather River Prune & Apri-
 cot Growers' Assn., Yuba City.
 Private plans.
 Contractor—Campbell Const. Co., Sac-
 ramento.
 Approximately \$7,000 will be expend-
 ed in equipment.

Contract Awarded.
FACTORY Cost, \$200,000
 LOS ANGELES, Cal. 5201 Phyllis Ave.
 Two-story brick and frame factory
 (200x700-ft.); steel rolling doors,
 steel lockers, refrigeration, etc.)
 Owner—Curtis Mfg. Co.
 Architect—Vernon W. Houghton, 617
 N New Hampshire Ave., Los Ange-
 les.
 Contractor—Leslie L. Locke, 3359 Sun-
 nyside Drive, Los Angeles.

LONG BEACH, Los Angeles Co.,
 Cal.—Fields Chemical Corp., 1202 Fi-
 nancial Center Bldg., Los Angeles,
 contemplates the purchase of land on
 Cherry Ave., Long Beach, as a site
 for a metallurgical coke plant. The
 first unit will have a daily capacity of
 20 tons of coke.

Contract Re-Awarded.
LAUNDRY Cost, \$62,000
 SAN FRANCISCO. Adjoining 301 8th
 Street.
 Two-story and basement reinforced
 concrete laundry.
 Owner—Galland Mercantile Laundry,
 301 Eighth Street.
 Architect—Hyman & Appleton, 68 Post
 Street.
 Structural Engineers—Ellison & Rus-
 sell, Pacific Bldg.
 Contractor—Cahill Bros., 206 Sansome
 Street.

Previously reported as being award-
 ed to J. D. Hannah.

FRESNO, Fresno Co., Cal.—Pacific
 Coast Fireworks Co., plant at Elm
 and Florence Aves., suffered a \$20,-
 000 fire loss July 26.

FLATS

Plans Being Prepared.
FLATS Cost, \$11,000
 SAN FRANCISCO. E Baker Street 75
 N Lombard St.

Two-story and basement frame and
 stucco flats (two six-room flats;
 tile and composition roof, gas hot
 air furnace, electrically controlled,
 hardwood floors, tile baths and
 kitchens, electric refrigeration).
 Owner and Builder—Severin Steinauer
 755 27th Ave.
 Architect—R. R. Irvine, Call Bldg.
 Sub-bids will be taken in one week.

GARAGES AND SERVICE STATIONS

Contract Awarded.
GARAGE Cost, \$7000
 BERKELEY, Alameda Co., Cal. 1650
 Shattuck Avenue.
 One-story class C garage.
 Owner—W. C. and H. Gede, 516 Walla
 Vista, Oakland.
 1824 Chase St., Oakland.
 Architect—Not Given.
 Contractor—Independent Iron Works,

Contract Awarded.
SERVICE STATION Cost, \$4500
 SAN FRANCISCO. Eighteenth St.
 and Potrero Ave.
 Steel frame service station.
 Owner—General Petroleum Co., 1924
 Broadway, Oakland.
 Plans by Eng. Dept. of Owner.
 Contractor—Reavey & Spivock, Shell
 Bldg., San Francisco.

Contract Awarded.
GARAGE Cost, \$5000
 SAN FRANCISCO. No. 1349 Clayton
 Street.
 One-story Class B concrete private ga-
 rage (12 garages).
 Owner—E. Reilly, Assistant Hotel Cl.
 San Francisco.
 Engineer—N. B. Green, 55 New Mont-
 gomery St., San Francisco.
 Contractor—F. R. Siegrist, 604 Mission
 St., San Francisco.
Excavation—Granfield, Farrar & Car-
 lin, 67 Hoff St., San Francisco.

Contract Awarded.
SERVICE STATION Cost, \$7187
 OAKLAND, Alameda Co., Calif. SW
 Bellevue Ave. and Grand St.
 Super service station.
 Owner—Union Oil Company.
 Plans by Eng. Dept. of Owner.
 Contractor—F. C. Stolte, 3455 Laguna
 Ave., Oakland.

GOVERNMENT WORK AND SUPPLIES

Plans Being Completed.
POSTOFFICE \$450,000 available
 FAIRBANKS, Alaska.
 Class A postoffice.
 Owner—United States Government.
 Plans by Supervising Architect,
 Treasury Dept., Washington, D. C.

Ready For Bids Shortly.
HANGAR Cost, \$—
 SUNNYVALE, Santa Clara Co., Cal.
 Hangar, 1118 ft. long 180 ft. high, steel
 trusses on concrete base.
 Owner—United States Government.
 Plans by Bureau of Yards and Docks,
 Navy Dept., Washington, D. C.
 The hangar, together with auxiliary
 construction, will involve an expendi-
 ture of between \$1,500,000 and \$1,750,-
 000.

Bids for the hangar proper under
 Specifications No. 6631 and for the
 grading and foundations in connection
 therewith, under Specifications No.
 6632, will be asked shortly to be
 opened the latter part of September.
 Contractors desiring to figure on this
 work are requested to make applica-
 tion for plans to the Commandant of
 the Twelfth Naval District, 100 Harri-
 son St., San Francisco. Drawings
 will be forwarded from Washington
 within one week.

FORT SHAFTER, T. H.—Until Au-
 gust 25, 1:30 P. M., bids will be re-
 ceived by Department Quartermaster.
 Fort Shafter, to construct a sewage
 pumping plant and for repairs, addi-
 tions and extensions to the sewage
 system at Fort Shafter. Plans obtain-
 able from Department Quartermaster
 at Fort Shafter on deposit of \$25.

YUMA, Arizona.—Treasury Depart-
 ment has accepted property on Main
 street, Yuma, as a site for the new U.
 S. Post Office. The site covers an
 area of 160x200 feet. \$190,000 has been
 appropriated for the new building.

LIVERMORE, Alameda Co., Calif.—
 Sunnyvale Plumbing and Heating Co.,
 Sunnyvale, at \$9,300 awarded contract
 by Superintendent of Construction,
 Palo Alto, for additions and revisions
 to underground heating system at the
 U. S. Veterans' Hospital at Livermore.

WALLA WALLA, Wash.—Following
 is partial list of prospective bidders
 to erect subsistence building (\$105,000
 available) at U. S. Veterans' Hospital
 at Walla Walla, bids for which will
 be opened August 25 in Washington,
 D. C., by the Construction Division,
 U. S. Veterans' Bureau: Louis Ger-
 nert, Jr., Chicago; A. F. Mowat, Seat-
 tle; F. E. Martin, Spokane; A. W.
 Quist Co., Seattle; York Ice Machine

Corp., Philadelphia; Kohlenberger Eng'g. Corp., Fullerton; Johnson Chimney Co., Los Angeles; Otis Elevator Co., San Francisco; S. Heller Elevator Co., Milwaukee; Vilter Mfg. Co., Milwaukee; Baker Constr. Co., Portland; Phelps-Drake Co., Minneapolis; Broom Electric Co., Amarillo, Texas; Smyth Donegan Co., Brooklyn, N. Y.

Bids Opened.

STEEL FRAME Cost, \$—
VALLEJO, Solano Co., Cal. Mare Island Navy Yard.

Providing and securing a steel building frame to be erected within the existing brick walls (Buildings 36, 40, 42 and 48 for pipe and copper shop).

Owner—U. S. Government (Specification No. 2239)

Plans by Public Works Officer, Mare Island Navy Yard.

Low Bidder—Golden Gate Iron Works, 1541 Howard St., San Francisco.

The work includes the furnishing and erection of all columns, trusses, girts, purlins, bracing, wall anchorages and sash framing members as shown, all complete and ready to receive roof covering, wall completions and steel sash installation by others.

Following is a complete list of bids: Golden Gate Iron Works, S. F., \$13,696
Palm Iron Works, Sacramento, 19,420
Judson-Pacific Co., S. F., 19,948
Moore Drydock Co., S. F., 19,990
Pacific Coast Eng. Co., S. F., 19,998
Dyer Bros. Iron Works, S. F., 20,116
California Steel Co., S. F., 20,277
Minneapolis Steel & Machinery Co., San Francisco, 20,440
Herrick Iron Works, Oakland, 20,840
Western Iron Works, S. F., 21,998
Schrader Iron Works, S. F., 23,940
California Steel Prod. Co., S. F., 24,856

Bids referred to Washington for award.

STOCKTON, San Joaquin Co., Cal.—Until August 5, 3 P. M., under Order No. 3577-Stk., bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to furnish f.o.b. U. S. Engineer Wharf, Stockton, Oregon, Pine Lumber No. 1 Common S4S, as follows:

2,600 ft. (130 pieces) 2x12-in. x 10-ft.; 1,456 ft. (52 pcs.) 2x12-in. x 14-ft.; 4,160 ft. (130 pcs.) 2x12-in. x 16-ft.; 288 ft. (12 pcs.) 2x12-in. x 12-ft.; 1,728 ft. (18 pcs.) 8x8-in. x 18-ft.; 747 ft. (10 pcs.) 8x8-in. x 14-ft.; 1,408 ft. (22 pcs.) 8x8-in. x 12-ft.; 133 ft. (10 pcs.) 4x4-in. x 10-ft.

WASHINGTON, D. C.—Bids are being received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish materials and equipment to Pacific Coast navy yards and stations, as follows, further information on the Schedules listed being obtainable from the Navy Purchasing Office, 100 Harrison Street, San Francisco:

Bids Close Aug. 11

Mare Island, calcium carbide; sch. 6201.

Western yards, brass grommets; sch. 6205.

Western yards, crocus and aluminum oxide cloth, flint and garnet paper; sch. 6200.

Western yards, wire cloth; sch. 6202.

Western yards, approx. 200,000 lbs. caustic soda; sch. 6200.

San Diego, speed flag telegraph systems and spares; sch. 6184.

Western yards, lacquer, water resisting spar varnish, interior varnish and aluminum varnish; sch. 6402.

Mare Island, 5,000 sq. ft. galv. expanded metal; sch. 6212.

Western yards, aluminum bronze powder, dry; sch. 6203.

Mare Island, 6 electric arc welding sets; sch. 6178.

Western yards, fire brick, clay, cement, etc.; sch. 6170.

Mare Island, 25 liquid door checks; sch. 6232.

San Diego, 9,100 lbs. sweeping compound; sch. 6229.

Western yards, locks and latches; sch. 6210.

Western yards, electric cable and wire; sch. 6208.

Mare Island, 1 motor-driven engine lathe; sch. 6223.

Western yards, cotter pins, taper pins and escutcheon pins; sch. 6230.

Puget Sound, 1 motor-driven boring mill; sch. 6222.

Western yards, approx. 1,000,000 lbs. cotton rags; sch. 6247.

Western yards, hinges; sch. 6206.

PORTLAND, Ore.—Until August 28, 3 P. M., bids will be received by U. S. Engineer Office, 321 Customhouse, for repairs to south jetty at the mouth of the Columbia River, Oregon, and Washington. Specifications obtainable from above office.

ELLENBURG, Wash.—See "Irrigation Projects", this issue. Bids are wanted by U. S. Reclamation Service for earthwork and structures on the North Branch Canal Lateral System, etc., Yakima Project.

ALAMEDA, Alameda Co., Calif.—Plans for improvements at Government Island, Alameda, have been completed by the U. S. Bureau of Public Roads, foot of Dennison St., Oakland. The first work to be advertised will be grading. Other contracts will follow in order. The work proposed is as follows:

UNIT 1. Grading, involving 56,782 cu. yds. grading.

Bids for the following units will be issued in order after the grading has been contracted for:

UNIT 2. Sewer System, involving: 5500 ft. 10-in. to 33-in. sewer pipe; 1200 ft. power duct lines, manholes, etc.

UNIT 3. Spur Tract, involving: 3496 lin. ft. of 146-lb. rail, spur track construction.

UNIT 4. Power and Light System (underground).

UNIT 5. Water System, involving 1½ miles of 6-in. cast iron pipe, valves and hydrants, etc.

UNIT 6. Gas System.

UNIT 7. Telephone System.

UNIT 8. Street Work, Curbs and Gutters, etc.

UNIT 9. Fencing.

Site Selected—Plans To Be Prepared.

POSTOFFICE \$210,000 available

PALO ALTO, Santa Clara Co., Calif. Hamilton Ave. bet. Gilman and Waverly Sts.

Fireproof postoffice.

Owner—United States Government.

Plans by Supervising Architect, Treasury Dept., Washington, D. C.

SACRAMENTO, Calif.—Sacramento Navigation Co., Front and N Streets, at \$3,435.10 submitted lowest bid to U. S. Engineer, Sacramento, for drydocking, painting and repairing Barge "U."

Following is a complete list of bids: Sacramento Navigation Co., \$3,435

General Eng. & Drydock Co.,

Oakland, 4,289

Crowley Launch & Tug Co. S. F. 4,363

Anderson & Christofani, 5,839

Breuer-Siemer Co., S. F. 5,888

Bundesen-Lauritzen, Pittsburg, 7,243

F. L. Fulton, 9,065

Bids taken under advisement.

LAS VEGAS, Nevada—Plains Const. Company, Pampa, Texas, at \$237,000 submitted the lowest bid to the U. S. Treasury Department to erect the U. S. Postoffice and Courthouse at Las Vegas (except elevator). The bid of

the Plains Const. Co. was delayed in the mail but mailed in sufficient time to arrive at Washington on schedule. It will be considered. Otis Elevator Co. submitted the low bid of \$10,520 for the elevator. The building will be a two-story and basement, masonry and steel structure with terra cotta facing.

Bids Opened.

REMODELING Cost, \$—
SAN FRANCISCO, Presidio.

Remodel Wards B-1 and L-1 Bldgs. Nos. 3 and 17 at Letterman General Hospital (brick construction, new hardware, linoleum floors, plumbing, nurse's call system, radio system, considerable tile work)

Owner—United States Government.

Plans by Constructing Quartermaster, Fort Mason.

Following is complete list of bids:

(A) price for job complete; (B) deduct if surgeons' sink is omitted; (C) unit price per square yard finished plastering:

Frank J. Reilly, 6350 Fulton St., San Francisco (a) \$283; (b) \$65; (c) \$1.00.

Clancy Bros., San Francisco (a) \$9380; (b) \$18; (c) \$85.

O. C. Galt, San Francisco (a) \$9848; (b) \$150; (c) \$1.00.

William Martin, San Francisco (a) \$9863; (b) \$80; (c) \$75.

J. S. Hannah, San Francisco (a) \$9999 (b) \$74; (c) \$70.

Gauley & Yount, San Francisco (a) \$10,003; (b) \$90; (c) \$1.25.

P. F. Spiedel, San Francisco (a) \$10,193; (b) \$92; (c) \$1.00.

Fred D. Turner, Burlingame (a) \$10,368; (b) \$80; (c) \$4.00.

H. L. Petersen, San Francisco (a) \$10,595; (b) \$60; (c) \$1.50.

I. M. Sommers, San Francisco (a) \$10,659; (b) \$60; (c) \$1.00.

E. J. Hart, San Francisco (a) \$11,735; (b) \$60; (c) \$1.25.

E. T. Leiter & Son, San Francisco (a) \$14,587; (b) \$75; (c) \$1.00.

Bids held under advisement.

SEATTLE, Wash.—Following is a complete list of bids received to erect the Federal Office Building at Seattle, low bidder previously reported, bids being opened by the Supervising Architect, Treasury Dept., Washington, D. C., July 21:

... Bids not recorded or being considered on limestone.

Item 1, sandstone; 2, terra cotta.

Murch Bros. Const. Co., St. Louis, item 1, \$1,339,000; 2, \$1,294,000.

N. F. Severin Co., Chicago, item 1, \$1,419,900; 2, \$1,376,900.

Christman and Snyder, Seattle, item 1, Tenino, \$1,426,724, Wilkinson, \$1,451,724; 2, \$1,377,251.

MacDonald & Kahn Co., Ltd., San Francisco, item 1, \$1,437,100; 2, \$1,414,100.

Robt. E. McKee, Los Angeles, item 1, \$1,438,000; 2, \$1,380,000.

A. W. Quist Co., Seattle, item 1, \$1,439,348 for Light Hercules, \$1,464,348 for Wilkinson; 2, \$1,338,575.

Clinton Const. Co., Seattle, item 1, \$1,455,000; 2, \$1,393,000.

Fleisher Eng. & Const. Co., Chicago, item 1, \$1,447,000; 2, \$1,407,000.

Schuler & McDonald, Inc., Oakland, Calif., item 1, \$1,475,000; 2, \$1,409,000.

Elvind Anderson, Tacoma, Wash., item 1, Tenino \$1,477,947, Wilkinson \$1,404,747; 2, \$1,440,435.

Reginald E. Campbell, Los Angeles, 1, Tenino, \$1,426,724, Wilkinson, \$1,508,000; 2, \$1,426,000.

Western Const. Co., item 1, Wilkinson \$1,480,000, for sandstone other than Wilkinson \$1,455,000; 2, \$1,459,000.

Coath & Goss, Inc., Chicago, item 1, \$1,487,225; 2, \$1,482,225.

Fitton & Livergreen, Seattle, item 1, Tenino \$1,497,000; Wilkinson \$1,527,000; 2, Tenino \$1,452,000, Wilkinson \$1,454,000.

Sound Const. & Eng. Co., Seattle, from 1, Wilkinson \$1,548,624, Tenino \$1,512,921; 2, \$1,476,424.

Bids Opened.

PORTHIES Cost, \$—
SAN FERNANDO, Los Angeles Co., Calif.

Contract screened porches on Bldg. No. 1 at U. S. Veterans' Hospital. Owner—United States Government. Plans by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto.

This work will include excavating, grading, reinforced concrete construction, hollow tile, structural steel and iron work, steel sash, tile roofing and sheet metal, stuccoing, carpentry, insect screens, painting, glazing, hardware, heating, electrical work, extension to nurses' call system, and connections to steam and electric systems.

Following is complete list of bids:
Harry Friedman, 2310 1/2 West
Vernon, Los Angeles.....\$23,200
F. F. Greenfield, Los Angeles.....25,771
C. F. Hall, Burbank.....25,870
W. J. Hunter, Los Angeles.....29,000
S. Edinger, Sawtelle.....30,914
L. C. Hardiman, Los Angeles.....33,320
R. Royden Hopper, Arcadia.....33,700
Bids held under advisement.

LAS VEGAS, Nevada—Following is a complete list of bids received to erect the U. S. Post Office and Courthouse at Las Vegas, (except elevator), (three low bids previously reported), bids being opened by the Supervising Architect, Treasury Dept., Washington, D. C.

Plains Construction Co., Pampa, Texas, \$237,000.
Murch Bros. Construction Co., St. Louis, \$247,000.
James I. Barnes, Logansport, Ind., \$258,000.
Concord Construction Co., Phila., \$265,450.
Wm. MacDonald Construction Co., St. Louis, \$266,200.
H. Mayson, Los Angeles, \$269,600.
James J. Burke & Co., Salt Lake City, Utah, \$271,575.
Los Angeles Contracting Co., Los Angeles, \$271,600.
Schuck Construction Co., Los Angeles, \$278,000.
Charles Wertz's Sons, Inc., Des Moines, \$279,213.
George A. Whitmeyer & Sons Co., Ogden, Utah, \$279,593.
Reginald E. Campbell, Los Angeles, \$281,400.
John Erskine Construction Co., Chicago, \$283,345.
R. J. Chute Co., Los Angeles, \$288,926.

Jacobsen Construction Co., Salt Lake City, Utah, \$289,800.
H. W. Baum Co., Los Angeles, \$293,500.

MacDonald & Kahn Co., Ltd., San Francisco, \$305,900.
Ryberg-Sorensen, Inc., Salt Lake City, Utah, \$337,000.

Bids under advisement.

Contract Awarded.
INFIRMARY Cost, \$307,500
PORT HARRISON, Montana.
Three-story and basement reinforced concrete and brick infirmary (202x96-ft.) two-story concrete boiler house (56x76-ft.).

Owner—U. S. Government.
Plans by Supervising Architect, Washington, D. C.
Contractor—Murch Bros. Const. Co., Railway Exchange Bldg., St. Louis Missouri.

RIO VISTA, Solano Co., Cal.—Until August 7, 3 P. M., under Order No. 3562-1840, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to install roof on new office building at Rio Vista. It is

estimated that there will be required to complete this work, the following: 1710 square feet of rigid asbestos shingles, hexagonal, mottled gray, Johns-Manville No. 70 or equal; 1710 square feet of best grade asphalt sheet undersurfacing; enough asbestos shingles or ridge reel, of same quality as above described shingles, to finish 45 lin. ft. of ridge; 2 roof plates, copper, No. 22 U. S. G. for 6-inch pipe, pitch of roof 1 vertical to 2 horizontal, 15x15-in. The roofing, ridge and plates shall be installed in accordance with "Details of Application of Johns-Manville Asbestos Shingles" as described on pages 157 and 158 of Johns-Manville Roofing catalog, and under specifications for "Hexagonal Method" roofing on page 160 of same catalog. Drawings No. 70B-17-1023-2 obtainable from above office.

SACRAMENTO, Cal.—See "Streets and Highways," this issue. Bids are wanted by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano county, 350 cu. yds. crushed rock.

HALLS AND SOCIETY BUILDINGS

Plans Completed.
COUNTRY CLUB. Cost, \$—
SANTA CRUZ, Santa Cruz Co., Cal. One-story and basement frame and stucco clubhouse (tile roof, oil burning system, steel sash, electric refrigeration).

Owner—Monterey Bay Country Club.
Architect—Frederick H. Reimers, 233 Post St., San Francisco.
Financing arrangements are now being made.

SAN LUIS OBISPO, Cal.—Elks' Club Ed. N. Kaiser, secretary, will spend \$10,000 in remodeling the clubrooms in the present quarters at Marsh and Morro Sts. The interior of the structure will undergo a general renovation involving new paneling, partitions, replacement of carpets and drapes, etc.

Planned.
CLUBHOUSE Cost, \$25,000
STOCKTON, San Joaquin Co., Calif. Site not selected.

New clubhouse (type of structure not determined).

Owner—Fidelity Society (Henry Walker, president), 230 E. Fremont St., Stockton.

Architect—Not Selected.
Proposed project is in a very preliminary stage.

HOSPITALS

Plastering and Heating Contract Awarded.
HOME Cost, approx. \$175,000
SAN FRANCISCO, University and Cambridge Streets.

Two- and three-story reinforced concrete and brick Home for Aged. Owner—University Mound Old Ladies' Home.

Architect—Alfred Coffey and Martin Rist, Phelan Bldg.

Contractor—J. E. Scully, Phelan Bldg.

Plastering—Chris Berg, 580 Market St.

Heating—Knefel Bros., 524 5th St.
As previously reported, grading contract awarded to P. Montague, 666 Mission St.; reinforcing bars, steel pans and concrete to Mission Concrete Co., 270 Turk St.

Other awards will be made shortly.

SAN FRANCISCO—Until August 10, 3 P. M., under Proposal No. 746, bids will be received by Leonard C. Leavy, city purchasing agent, 279 City Hall, to furnish and deliver X-Ray equipment for the San Francisco Hospital. Specifications obtainable from above.

Plans Being Figured. Bids Close Aug. 6, 11 A. M.

COTTAGE Cost, \$11,000
WEIMAR, Placer Co., Cal.
One-story frame bungalow cottage.
Owner—Wanda June & McElrath, W. O. Russell, secretary, Courthouse, Sacramento.

Architect—Harry J. Devine, California State Life Bldg., Sacramento.
Bids are being received by the Secretary in the Courthouse at Sacramento. Certified check 10% payable to Secretary required with bid. Plans obtainable from the architect on deposit of \$15, returnable.

ST. VICENTS, Marin Co., Cal.—Joa. M. Macdonough, in a will filed at Redwood City last week, left \$52,000 to St. Vincent's Orphanage to finance construction of an additional wing to that structure. The bequest was made to the Roman Catholic Archbishop of San Francisco.

Plans Completed.
HOSPITAL Cost, \$75,000
LAS VEGAS, Nevada. Eighth and Ogden Streets.

Two-story reinforced concrete hospital (130x64 feet) (60 beds), operating rooms, etc.; reinforced concrete construction, stucco exterior, tile roof, tiled bathrooms, nurses' call system, steam heat.

Owner—Dr. Roy Martin, Las Vegas Hospital, Las Vegas, Nevada.
Architect—A. L. Worswick, Las Vegas Nevada.

Plans Being Figured.
ADDITION Cost, \$150,000
LOS ANGELES, Calif. 610 S. St. Louis Street.

Two-story class A reinforced concrete laundry and kitchen addition to hospital (60x170-ft.); steel sash, incinerator, insulated ice storage).

Owner—Santa Fe Coast Lines Hospital Assn.
Architect—H. L. Gilman, Kerekhoff Bldg., Los Angeles.

Contract Awarded.
HOSPITAL Cont. price, \$108,497
RENO, Nevada. East of the present County Hospital Site.

Class A concrete and brick hospital (Y-shape).

Owner—County of Washoe, E. H. Beemer, county clerk.

Architect—F. J. DeLongchamps, Gazette Bldg., Reno.

Contractor—J. C. Dillard, 805 S. Virginia St., Reno.

The structure will be Y-shape and will have a capacity of about 50 beds. An issue of \$83,000 in bonds will be sold by the county and the balance of the cost will come from the County Hospital tax levy.

CRESCENT CITY, Del Norte Co., Cal.—Until August 10, 10 A. M., bids will be received by E. C. Lockwood, chairman of the Board of Supervisors to furnish and deliver supplies for the county hospital. Specifications on file in office of county clerk.

HOTELS

Plans Complete.
REMODELING Cost, \$—
SAN FRANCISCO, 312 Mason St.
Remodel lobby of hotel (new entrance, etc.)

Owner—Herman Helbush, Virginia Hotel, 312 Mason St.
Architect—W. L. Schmiedt, 312 Mason Street.

Work will be done by day's labor

Preparing Plans.
HOTEL ADDITION Cost, \$—
CALEXICO, Imperial Co., Cal.
Frame and stucco hotel addition (100

rooms) (steam heat, tile baths, etc.)
Owner—Will Conway.
Architect—Merrill & Wilson, Petroleum Security Bldg., Los Angeles.

ICE AND COLD STORAGE PLANTS

SAN DIEGO, Cal.—Until 11 A. M., August 18, bids will be received by the Public Works Department, Eleventh Naval District, San Diego, for installing a refrigerating plant at the Naval Operating Base (Air Station), San Diego; specifications No. 6562. The work shall include the furnishing and installing of tile wall, insulation and ammonia pipe coils with hangars and bunkers for the two cold storage rooms; piping and accessories; one motor-driven ammonia compressor with condenser, receiver, oil and scale traps and other accessories; safety and automatic control devices; ammonia, waste and water piping; cork insulation for certain piping; certain electrical work and materials; racks and shelves; also all additional material and labor required to obtain an installation complete and ready for use. Bidding data may be obtained from the Public Works Officer, Eleventh Naval District, San Diego, upon deposit of a check or postal money order for \$10, payable to the Chief of the Bureau of Yards and Docks, Capt. DeWitt C. Webb, public works officer.

POWER PLANTS

ALAMEDA, Alameda Co., Cal.—See "Government Work and Supplies," this issue. Bids to be asked by U. S. Bureau of Public Roads, foot of Denison Street, Oakland, for improvements in connection with Government Island.

OAKLAND, Cal.—Hazard Insulated Wire Co., Russ Bldg., San Francisco, at \$1,655.85 awarded contract by East Bay Municipal Utility District to construct and furnish f.o.b. 22nd and Adeline Sts., Oakland, 21,000 ft. of 4 No. 14 A. W. G. copper conductor, Park or Suburban cable.

Plans Being Prepared — Owner Will Erect By Day Labor.

SUB-STATION Cost, \$—
HILMAR, Stanislaus Co., Cal. NE August and Lander Aves.
Sub-station (including three transformers with capacity load of 1000 KVA to serve 50 sq. miles).
Owner — Turlock Irrigation District, Anna Sorensen, Secretary, Turlock.
Plans by District Engineering Dept.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Plans To Be Prepared.
LIBRARY ADDITION Cost, \$32,700
VALLEJO, Solano Co., Cal.
City Library Addition (wood portion of the present structure in the rear will be razed).
Owner—City of Vallejo, Alf. E. Edgcombe, city clerk.
Architect not yet selected.
An appropriation of \$32,700 will be provided in the 1931-32 budget of the city council to finance this work.

Completing Plans.
ARMORY Cost, \$60,000
SALINAS, Monterey Co., Cal. Howard and Salinas Sts., and Lincoln Ave.
One-story reinforced concrete armory (seating capacity 1400 to 1500; locker rooms, kitchen, stage, shops and club rooms).
Owner—State of California.
Architect—Koepf & Campbell, Carmel
Plans will be completed in ten days.

Sub-Contracts Awarded.
FIRE HOUSE Cost, \$30,817
SAN FRANCISCO. Lombard St., bet. Broderick and Baker Sts.
Brick fire house.
Owner—City and County of San Francisco (S. J. Hester, Secretary, Board of Public Works).
Architect — W. E. Baumberger, 544 Market St., San Francisco.
Contractor — Vogt & Davidson, 185 Stevenson St., San Francisco.
The structure will house an engine company, truck company, chemical company and hose tender.
Structural Steel — Golden Gate Iron Works, 1541 Howard St., E. F.
Reinforcing Steel—W. C. Hauck, 240 San Bruno Ave., San Francisco.
Brick—H. E. Drake, 666 Mission St., San Francisco.
Ornamental Iron—Fair Mfg. Co., 617 Bryant St., San Francisco.
Enamel Tile — Krafille Co., Sharon Bldg., San Francisco.
As previously reported, electric work awarded to L. Flatland, 1839 Mission St., at \$1680; mechanical equipment to M. Deslano Co., 5338 Mission St., at \$6865.

Contract Awarded.
LIBRARY Cont. price, \$47,873
SAN FRANCISCO. 37th Avenue bet. Geary and Anza Streets.
Two-story reinforced concrete branch library (tile roof, ornamental iron, hot air heat, oil burner).
Owner—City and County of San Francisco, Geo. A. Mullin, Controller and Secretary, Board of Library Trustees.
Architect—John Reid, Jr., 405 Montgomery Street.
Engineer—C. H. Snyder, 251 Kearny Street.
Contractor—Frank J. Reilly, 6350 Fulton Street.

To Ask Bids Within Few Days.
LIBRARY Cost, \$11,000
NEW MONTEREY, Monterey Co., Cal.
New one-story frame and stucco library (tile roof; Spanish type).
Owner—City of New Monterey.
Architect—Swartz & Ryland, Spazier Bldg., Monterey.

Preparing Working Drawings.
HALL OF RECORDS Cost, \$300,000
MARTINEZ, Contra Costa Co., Cal.
Three-story Class A steel frame and concrete Hall of Records (hollow tile and metal lath partitions, steel sash, heating plant).
Owner—County of Contra Costa.
Architect—E. Geoffrey Banks, 411 30th St., Oakland.

Plans Being Figured—Bids Close Aug. 4. 2 P. M.
PLASTERING AND CAST STONE WORK FOR:
LEGION BLDG. Cost, \$2,500,000
SAN FRANCISCO. Civic Center.
Four-story and basement concrete class A Legion Building.
OPERA HOUSE Cost, \$2,500,000
Six-story class A opera house, seating capacity, 4000; standing room, 500.
Owner—City and County of San Francisco (S. F. War Memorial).
Architect—G. A. Lansburgh, 140 Montgomery St., and Arthur Brown, Jr. 251 Kearny St.
Mgns. of Const.—Lindgren & Swinerton, Inc., 225 Bush St.

JACKSON, Amador Co., Cal.—As previously reported, bids will be received August 10 by Leotta Huberty, county clerk, to construct addition to county courthouse. Will be of reinforced concrete construction; estimated cost \$4000. Plans were prepared by Otto Garver of Jackson.

Sub-Contracts Awarded.
ARMORY Contract price, \$18,946
YUBA CITY, Sutter Co., Cal.
One-story concrete armory (floor area 7000 sq. ft.)
Owner—State of California.
Architect—Charles Dean, California State Life Bldg., Sacramento.
Contractor—Guth & Fox, 1528 27th St., Sacramento.

The building will be one-story with concrete floor and walls, steel and wood roof construction, tile and composition roof.
Lumber—Diamond Match Co., Yuba City.
Mill Work—Diamond Match Co., Yuba City.
Glass and Glazing—Diamond Match Co., Yuba City.
Plumbing, Heating and Sheet Metal—Frank Booth, Marysville.
Roofing—Capitol Roofing Co., 2015 2nd St., Sacramento.
Electric Work—J. W. Thomas, 3216 L St., Sacramento.
Reinforcing Steel—Thos. Scott, Builders' Exchange, Sacramento.
Structural Steel, Miscellaneous Iron & Steel Sash—Palm Iron Works, 154 R St., Sacramento.
Hardwood Floors—Florsberg & Frise, Sacramento.
Hardware—Murry and Low, 721 J St., Sacramento.

Preparing Working Drawings.
ADDITION Cost, \$5500
ISLETON, Sacramento Co., Cal.
One-story top addition to fire house and city hall (probably brick veneer and frame construction; ground floor 8-inch brick wall to match present building; auditorium, bedrooms, locker and shower rooms).
Owner—Town of Isleton.
Architect—W. E. Coffman, Forum Bldg., Sacramento.
Engineer—Frank Talbott, Forum Bldg., Sacramento.
Bids will be asked in about ten days.

RESIDENCES

Bids Opened.
RESIDENCE Cost, \$7500
LOS GATOS, Santa Clara Co., Calif.
One-story and basement frame and stucco residence (6 rooms; Spanish type).
Owner—W. L. Cottmire.
Architect—Charles McKenzie, Twohy Bldg., San Jose.
Low Bidder—S. DiFiore, 935 Hamline, San Jose.
Tile roof, hot air heating system, oil burning equipment.
Following is a complete list of bids:
S. DiFiore, San Jose.....\$6,357
M. W. Reese, San Jose.....6,448
Pat. Doyle, San Jose.....6,465
Gutschaw Bros., Los Altos.....6,791
Henry Bolwin, San Jose.....6,910
P. J. Smith, San Jose.....6,985
Dyke Walton, San Jose.....6,995
Neil Darrah, Mt. View.....7,060
John Rikhshein, Gilray.....7,097
Wm. Caldwell, San Jose.....7,272
George Honore, San Jose.....7,400
Guy M. Latta, San Jose.....7,434
Minton Co., Palo Alto.....7,526
N. J. Nielsen, San Jose.....7,585
Merna & Newell, San Jose.....7,735
Bids under advisement.

Contract Awarded.
RESIDENCE Cost, \$9500
SAUSALITO, Marin Co., Cal.
One-story and basement wood frame residence (5 rooms, tile roof, hot air heat, gas furnace).
Owner—Harry Sloss.
Architect—Wm. I. Garren, 233 Post St., San Francisco.
Contractor—Young & Horstmeier, 461 Market St., San Francisco.
Excavation work has been started.

Mill Work and Plumbing Contracts Awarded.
RESIDENCE Cost, \$5000
OAKLAND, Alameda Co., Cal. Cochran Ave. E. Agnes St.
 Two-story frame and stucco residence (7 rooms).
 Owner—Mrs. N. Jensen, 5821 Ayala Ave., Oakland.
 Architect—Not Given.
 Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland.

Mill Work—Lannom Bros. Mfg. Co., 5th and Magnolia Sts., Oakland.
Plumbing—J. A. Fazio, 402 Castro St., Oakland.

Preparing Plans.
RESIDENCE Cost, \$30,000
PIEDMONT, Alameda Co., Cal.
 Two-story and basement frame and stucco residence (English type).
 Owner—Withheld.
 Architect—F. Eugene Barton, Crocker Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, \$5000
LOS BANOS, Santa Clara Co., Cal.
 One-story frame residence (5 rooms; board and batten).
 Owner—C. Callian.
 Plans by A. L. Conner, % E. L. Snyder, 2101 Shattuck Ave., Berkeley.
 Contractor—F. Reedie, Los Banos.

Plans Being Figured, Bids Close August 3rd.
RESIDENCE Cost, \$8000
BERKELEY, Alameda Co., Cal. Regal Road.
 Two-story frame and stucco residence (6 rooms; Spanish type).
 Owner—George Stewart.
 Architect—Hardman & Russ, Berkeley Bank Bldg., Berkeley.
 As previously reported,
 Following contractors will submit bids: .
 Conner & Conner, 1733 Francisco St., Oakland.
 Harry Kane, 921 Ramona Ave., Oakland.
 Geo. H. Wendt, 2126 Bancroft Way, Oakland.
 Herbert K. Henderson, 20 Avis Rd., Oakland.
 Albert Hammarberg, 2340 LeConte Ave., Oakland.

Plans Being Completed.
RESIDENCE Cost, \$8000
BERKELEY, Alameda Co., Cal. Euclid Avenue.
 Two-story and basement frame and stucco residence (6 rooms, tile roof hardwood floors and trim, electric refrigeration).
 Owner—Dr. B. Gray, 2518 Rose Walk, Berkeley.
 Architect—H. H. Guttererson, 526 Powell St., San Francisco.

Sub-Bids Wanted.
RESIDENCE Cost, \$6000
OAKLAND, Alameda Co., Calif. 769 Euclid Avenue.
 One-story and basement frame and stucco residence.
 Owner—D. D. McConnell, 912 Ensensada Ave., Oakland.
 Architect—Not Given.
 Contractor—O. C. Armstrong, 947 Ordway St., Berkeley.
 Sub-bids are wanted on brick, sheet metal, plumbing, plastering, etc.
Concrete—Jensen Bros., 1832 Delaware St., Berkeley.

Sash and Doors, Rough Lumber—Hogan Lumber Co., 2nd and Alice, Oakland.
Building Materials—Contra Costa Bldg. Material Co., 808 Gilman St., Oakland.
Mill Work—California Mill and Lumber Co., 1829 Webster St., Alameda.

Plans Being Completed.
RESIDENCE Cost, \$70,000
PIEDMONT, Alameda Co., Cal. Piedmont Estates.
 Two-story and basement frame and stucco residence (Italian style, tile roof, ornamental iron, marble, gas heat, vapor system, landscaping).
 Owner—R. K. Ham, Latham Square Bldg., Oakland.
 Architect—Noble and Archie T. Newsum, Russ Bldg., San Francisco.
 Plans will be ready for bids in two or three weeks.

Sub-Bids Wanted.
RESIDENCE Cont. price, \$10,175
SAN CARLOS, San Mateo Co., Cal.
 Two-story and basement frame and stucco residence (11 rooms and 4 baths, tile roof, gas hot air heating system).
 Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
 Architect—Edward A. Eames, 353 Sacramento St., San Francisco.
 Contractor—H. H. McDonald, San Carlos.

Construction Postponed Indefinitely.
RESIDENCE Cost, \$10,000
BERKELEY, Alameda Co., Cal. Claremont District.
 Two-story and basement English style residence (8 rooms and 2 baths).
 Owner—J. E. Dinwiddie, 2816 Prince St., Berkeley.
 Plans by Owner.

Sub-Bids Wanted.
RESIDENCE Cost, \$7500
SAN FRANCISCO, Darlen Way near Northgate.
 One-story and basement frame and stucco residence (6 rooms; Spanish type).
 Owner and Builder—August Hallgren, 1594 29th Avenue.
 Architect—Not Given.
 Tile and composition roof, hardwood floors and trim, gas and hot air heating system, canvas walls and ceilings.

Sub-Contracts Awarded.
RESIDENCE Cost, \$10,000
OAKLAND, Alameda Co., Cal. No. 5732 Ivanhoe Road.
 Two-story and basement frame and stucco residence (8 rooms).
 Owner and Builder—Ernest W. Urch, 5740 Ivanhoe Road, Oakland.
 Architect—Not Given.
Kitchen Cabinet Work—Peerless Built-in Fixture Co., 2603 San Pablo Ave., Oakland.
Tile—Rigney Tile Co., 3012 Harrison St., Oakland.
Plumbing—Ambrose Bros., 206 Chumalia Ave., San Leandro.
Plastering—R. H. Cassell, 1182 34th St., Oakland.
 Bids are being taken on painting, electric fixtures, flat (finish) cement work and hardwood flooring.

Sub-Contracts Awarded.
RESIDENCE Cost, \$13,000
BERKELEY, Alameda Co., Cal. No. 1775 Arch Street.
 Two-story and basement frame and stucco residence (12 rooms).
 Owner—Dr. R. R. Thompson, 354 Alcatraz Ave., Berkeley.
 Architect—E. L. Snyder, 2102 Addison St., Berkeley.
 Contractor—George W. Windsor, 923 Kingston Ave., Piedmont.
Concrete—Triberti & Massaro, 957 38th St., Oakland.
Building Materials—Oakland Building Material Co., Ft. of 23rd Ave., Oakland.
Lumber—Emith Lumber Co. of Oakland, Foot of 18th Ave., Oakland.
Roofing—Western Roofing Co., 24th and Poplar Sts., Oakland.

Construction Under Way.
RESIDENCE Cost, \$7000
PORTERVILLE, Tulare Co., Calif.
 Two-story frame and stucco residence.
 Owner—Withheld.
 Architect—Not Given.
 Contractor—R. Hodgson, Porterville.

Sub-Bids Wanted.
RESIDENCE Cost, \$6000
SAN FRANCISCO, 22nd Avenue and M Street.
 One-story and basement frame and stucco residence (6 rooms; composition and tile roof, gas furnace, tile bath and kitchen, hardwood floors, etc.)
 Owner and Builder—J. Carlson, 2239 Bryant Street.
 Private plans.

Sub-Contracts Awarded.
RESIDENCE Cost, \$4500
ALBANY, Alameda Co., Cal.
 One-story and basement frame and stucco residence (5 rooms).
 Owner and Builder—D. M. Ayres, 126 Dwight Way, Berkeley.
 Architect—Not Given.
Millwork, Sash and Doors—Tilden Lumber Co., Foot of University Ave., Berkeley.
Plumbing—H. W. Donovan, 5904 San Pablo Ave., Oakland.
Plastering—Grover Ellam, 1408 Santa Fe Ave., Albany.
Electric—Electric Service Co., 1455 Dwight Way, Berkeley.

Sub-Contracts Awarded.
RESIDENCE Cost, \$5500
BERKELEY, Alameda Co., Cal. No. 10 Acacia Avenue.
 Two-story and basement frame and stucco residence (7 rooms and 3 baths, Spanish type, hand-made tile roof, steel sash, hardwood floors, tile baths, gas heating system).
 Owner—A. E. Galigher, 2350 Corona Court, Berkeley.
 Plans by Mr. Walker.
 Contractor—J. M. Walker, 1709 Grove St., Berkeley.
Concrete—Axel Johnson, 3857 Vale Ave., Oakland.
Carpentry—H. W. Taylor, 275 The Uplands, Berkeley.
Steel Sash—Michel & Pfeffer, Iron Works, Inc., Tenth and Harrison Sts., San Francisco.
Excavating—J. Henry Harris, 691 Arimo Ave., Oakland.
 Sub-bids are wanted on brick work, plumbing, sheet metal, furnace, electric wiring, plastering, finish lumber, and tile roof.

Sub-Bids Wanted.
RESIDENCE Cost, \$4500
OAKLAND, Alameda Co., Cal. NE 13th Ave. and E-22nd St.
 Two-story frame and stucco residence (Spanish type).
 Owner and Builder—George A. Hedberg, 3810 Midvale Ave., Oakland.
 Architect—Not Given.
Plastering—O. Davis, 4284 Detroit St., Oakland.
Plumbing—Wm. Souza, 1421 45th Ave., Oakland.
Lumber—Bay City Lumber Co., 48th Ave. and E-12th St., Oakland.
Sash, Doors and Millwork—Bay City Lumber Co., 48th Ave. and E-12th St., Oakland.
 Sub-bids wanted on sheet metal, gas furnace heating system, tile work, brick and ornamental iron work.

Preparing Plans.
RESIDENCE Cost, \$—
CORTE MADERA, Alameda Co., Cal.
 One-story frame and stucco residence.
 Owner—Withheld temporarily.
 Architect—John H. Thomas, Mercantile Bank Bldg., Berkeley.

Plans Being Prepared.
RESIDENCE Cost, \$5000
SAN FRANCISCO. SW Nagle and El-
lington Streets.

One-story and basement frame and
stucco residence (6 rooms; com-
position roof, gas furnace, hard-
wood floors, tile bath and kitchen)
OWNER—T. Thompson, 3141 E. Dubkowitz.
Plans by R. K. Dobkowitz, 425 Mont-
terey Blvd.

Construction Postponed Temporarily.
RESIDENCE Cost, \$11,000
BERKELEY, Alameda Co., Cal. The
Uplands.

Two-story and basement frame and
stucco residence (Spanish type).
Owner—Mr. Thomas.
Architect—Not given.
Low bidder—Beckett & Wight, 722
Scenic Ave., Berkeley.
Owner is out of town for short time.

Sub-Contracts Awarded.
RESIDENCE Cost, \$20,000
FRESNO, Fresno Co., Cal. Eighth
St. and Huntington Blvd.

Two-story residence.
Owner—E. J. Schmidt, Patterson Bldg.
Fresno.

Architect—Not Given.
Contractor—W. T. Harris, 577 Mc-
Kinley St., Fresno.

Brick Work—J. L. Smith, 640 Van
Ness Ave., Fresno.

Concrete—Otto W. Baty, 3924 Hunt-
ington St., Fresno.

Plaster and Lath—F. M. Low, 3244
Alta St., Fresno.

Contract Awarded.
BUNGALOW COURT Cost, \$30,000
TRACY, San Joaquin Co., Cal. Tenth
St. near F St.

Frame and stucco bungalow court (13
3-room and bath bungalows).

Owner—Mrs. Edgar Hansel, 2189 E-
Main St., Stockton.

Plans by E. Merlo, Moering's Lane,
Stockton.

Contractor—E. Merlo, Moreing's Lane,
Stockton.

Redwood exterior; California stucco
interior, tile baths and kitchens; hard-
wood floors, frigidaire, etc.

Contract Awarded.
RESIDENCE Cost, \$10,000
PALO ALTO, Santa Clara Co., Cal.
No. 1531 El Camino Real.

Two-story and basement frame and
stucco residence.

Owner—Florence Webber.
Architect—Not Given.

Contractor—J. G. Causey, 150 Seale
Ave., Palo Alto.

Plans Being Figured.
RESIDENCE Cost, \$8000
BERKELEY, Alameda Co., Cal. Regal
Road.

Two-story frame and stucco residence
(6 rooms) (Spanish type).

Owner—George Stewart.
Architect—Hardman & Russ, Berkeley

Bank Bldg., Berkeley.

Following contractors will submit
bids:

Conner & Conner, 1733 Francisco
St., Oakland.

Harry Kane 921 Ramona Ave., Oak-
land.

Geo. H. Wendt, 2126 Bancroft Way,
Oakland.

Herbert K. Henderson, 20 Avis Rd.,
Oakland.

Albert Hammarberg, 2340 LeConte
Ave., Oakland.

Contract Awarded.
RESIDENCE Cost, \$8500
SACRAMENTO, Sacramento Co., Cal.
College Tract.

Two-story and basement frame and
stucco residence (tile roof, tile
baths and kitchens).

Owner—Thomas Scollan, 2919 T St.,
Sacramento.

Architect—Harry Devine, California
State Life Bldg., Sacramento.
Contractor—H. W. Robertson, 3004 F
St., Sacramento.

Sub-bids are in and will be awarded
within a few days.

Sub-Contracts Awarded.
RESIDENCE Cost, \$5000
OAKLAND, Alameda Co., Cal. No.
1968 Hoover Ave.

One-story and basement frame and
stucco residence (5 rooms)

Owner and Builder—John Fleming,
3539 Jordan Road, Oakland.

Architect—Not Given.
Excavating—Fred Morgan, 2619 38th
Ave., Oakland.

Plumbing—J. R. Pierce Plumbing Co.,
7100 E-14th St., Oakland.

Millwork—Zenith Mill & Lumber Co.,
1101 E-12th St., Oakland.

Sash and Doors—Duner - Matheney
Door & Sash Co., 4200 E-14th St.,
Oakland.

Roofing—Edmund Bardellini, 3700
Greenacre Road, Oakland.

Sheet Metal—N. Schnabel, 1634 100th
Ave., Oakland.

Tile Work—East Bay Tile Co., San
Pablo Ave., Oakland.

Painting—Geo. B. Stoltz, 4473 Sum-
mit Drive, Oakland.

Sub-Contracts Awarded.
RESIDENCE Cost, \$8000
ALAMEDA, Alameda Co., Cal. Fern-
side Tract.

Two-story frame and stucco residence.
Owner—Alfred Bareilles, 2217 Lincoln
St., Alameda.

Architect—Not Given.
Contractor—W. H. Anderson, 1014
Doris Court, Alameda.

Plumbing—Chas. Smith, 1250 Park
St., Alameda.

Heating—J. E. Voisinot, 446 E-12th
St., Oakland.

Millwork—Clinton Mill & Lumber Co.,
701 4th Ave., Oakland.

Sash and Doors—Western Door &
Sash Co., 5th and Cypress Sts.,
Oakland.

Painting—William Soar, 5494 Fair-
fax St., Oakland.

Contract Awarded.
RESIDENCE Cost, \$15,000
PALO ALTO, Santa Clara Co., Cal.
No. 1391 Hamilton Avenue.

Two-story and basement frame and
stucco residence.

Owner—A. Aro, 1143 Webster St.,
Palo Alto.

Private Plans.
Contractor—Aro & Okerman, 1143
Webster St., Palo Alto.

Sub-Bids Wanted.
RESIDENCE Cost, \$8500
BERKELEY, Alameda Co., Calif. 10
Acacia Avenue.

Two-story and basement frame and
stucco residence (7 rooms and 3
baths, Spanish type, hand-made
tile roof, steel sash, hardwood
floors, tile baths, gas heating sys-
tem).

Owner—A. E. Gallagher, 2350 Corona
Court, Berkeley.

Plans by Mr. Walker.
Contractor—J. M. Walker, 1709 Grove
St., Berkeley.

Sub-bids are wanted on brick work,
plumbing, sheet metal, furnace, elec-
tric wiring, plastering, finish lumber,
and tile roof.

Plans Being Prepared.
RESIDENCE Cost, \$6000
SAN FRANCISCO. 22nd Avenue and
M Street.

One-story and basement frame and
stucco residence (6 rooms; com-
position and tile roof, gas furnace, tile
bath and kitchen, hardwood floors,
etc.)

Owner and Builder—J. Carlson, 2239
Bryant Street.

Private plans.

Sub-Bids Bein Taken.
RESIDENCE Cost, \$4000
SAN FRANCISCO. Cayuga & Santa
Rosa Ave.

One-story and basement frame and
stucco residence (5 rooms; com-
position and part tile roof, gas hot
air furnace, hardwood floors, tile
bath and kitchen).

Owner and Builder—A. A. Wesendunk,
1625 San Jose Ave.

Plans by B. K. Dobkowitz, 425 Mont-
terey Blvd.

Sub-Bids Being Taken.
RESIDENCE Cost, \$5200
OAKLAND, Alameda Co., Cal. N. Leo
Way near Broadway Terrace.

One-story and basement frame and
stucco residence (5 rooms) (com-
position and tile roof, gas heating
system).

Owner—Lesley Dawe, 5600 Merriewood
Ave., Oakland.

Architect—Not Given.
Contractor—Chas. Dawe, 981 Peralta
St., Berkeley.

Sub-Bids Being Taken.
RESIDENCE Cost, \$10,000
PALO ALTO, Santa Clara Co., Cal.
No. 2380 South Court.

One-story and basement frame and
stucco residence (7 rooms and 2
baths) (tile and composition roof,

ORNAMENTAL WIRE AND IRON WORK

IRON WIRE Fence and Gates

TENNIS COURT ENCLOSURES
WIRE SCREENS AND GUARDS

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SAN FRANCISCO, CALIFORNIA

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Continuous Operation Since 1887

gas heating system, tile baths, hardwood floors, etc.)
Owner and Builder—Chevaland Smith, President Hotel, San Francisco.
Architect—Troebel & Goodpastor, 1540 San Pablo Ave., Oakland.

Sub-Bids Wanted.
RESIDENCE Cost, \$8000
BERKELEY, Alameda Co., Cal. No. 821 San Diego Road.
One-story and basement frame and stucco residence.
Owner and Builder—Ray H. Norheim, 1207 Bonita Ave., Berkeley.
Architect—Not Given.
Lumber—Melrose Lumber & Supply Co., 1201 46th Ave., Oakland.
Concrete—Frank Catalina, 949 Talbot Ave., Berkeley.
Sub-bids wanted on all other portions of the work.

Sub-Bids Wanted.
RESIDENCE Cost, \$7500
SAN FRANCISCO, Darlen Way near Northgate.
One-story and basement frame and stucco residence (6 rooms; Spanish type).
Owner and Builder—August Hallgren, 1594 20th Avenue.
Architect—Not Given.

Tile and composition roof, hardwood floors and tin, gas and hot air heating system, canvas walls and ceilings.

Contract Awarded.
RESIDENCE Cost, \$22,688
BERKELEY, Alameda Co., Cal. North Cragmont.

Two-story and basement frame and stucco residence (12 rooms and 3 baths, Spanish type, tile roof, stucco walls, warm air heating system, concrete swimming pool and garage).

Owner—Marcus Lohrop, 111 Southampton Road, Berkeley.
Architect—Arthur W. Duman, 48 Oakvale Ave., Berkeley.
Contractor—Harold L. Paige, 5651 Oak Grove, Oakland.

Low Bidder.
RESIDENCE Cost, \$10,000
OAKLAND, Alameda Co., Cal. Lakeshore Highlands.

Two-story and basement frame and stucco residence (Spanish style; 8 rooms, 3 baths; tile roof, hot air heating).

Owner—East Bay Title Insurance Co., 1430 Franklin St., Oakland.

Architect—Wm. E. Schirmer, 700 21st St., Oakland.

Low Bidder—C. H. Thrans, 28 Home place, Oakland.

Sub-Bids Wanted.
RESIDENCE Cost, \$33,000
HILLSBOROUGH, San Mateo Co., Cal. South Down and Black Mountain Road.

Two-story and basement frame and stucco residence (12 rooms and 6 baths; social hall).

Owner and Builder—A. E. Albertone, 167 40th St., Oakland (Telephone Piedmont 3292).

Plans by T. Moore, 58 Lake Avenue, Piedmont.

Sub-bids wanted for hardwood floors, paintin, tile, ornamental iron and tile roof.

As previously reported, carpentry awarded to J. Westerlund, 2649 E 16th St., Oakland; **plumbing to** J. Jones, 1812 Divisadero St.; **San Francisco**; **electric work to** W. J. Martinez, 2814 College Ave., Berkeley; **brick to** Carl Lindholm, Oakland.

Plans Being Prepared.
RESIDENCE Cost, \$4500
SAN FRANCISCO, Location Withheld.
1½-story frame and stucco residence (6 rooms; composition roof, hot air furnace, hardwood floors, tile bath, etc.)

Owner—S. Alfanson, 9 Mr. Dolkowicz, Plans by H. K. Dolkowicz, 425 Montgomery Blvd.

SCHOOLS

ST. HELENA, Napa Co., Calif.—In addition to those previously reported, T. B. Goodwin, 2950 Divisadero St., and J. S. Hannah, 268 Market Street, both of San Francisco, are figuring the general contract on the one-story reinforced concrete grammar school to be erected at St. Helena for the St. Helena Grammar School District, bids for which will be opened August 3. Wolfe and Higgins, architects, Realty Bldg., San Jose.

Sub-Contracts Awarded.
COLLEGE Cont. Price, \$37,000
SANTA ROSA, Sonoma Co., Cal.
Second unit of Junior College (to house six science laboratories and two classrooms, offices and rest rooms; brick construction; steam heat; tile roof).

Owner—Santa Rosa Junior College District.
Architect—W. H. Weeks, 525 Market St., San Francisco.

Contractor—Petaluma Construction Co., Petaluma.

Reinforcing Steel—Concrete Engineering Co., 1280 Indiana St., S. F.

Lumber—Sterling Lumber Co., Santa Rosa.

Mill Work—Canim & Hedges Co., Petaluma.

Masonry—W. A. Butler, 840 Waller St., San Francisco.

Plumbing—Ray Kynock, Petaluma.

Structural Steel—California Steel Products Co., 452 Bay St., S. F.

Roofing—C. L. Frost, Palo Alto.

Sheet Metal—Kindigs Sheet Metal Shop, Santa Rosa.

Painting—H. Kruger, Santa Rosa.

Plastering—M. E. Cookson, Eureka.

Plans Being Figured—Bids Close Aug. 12, 8 P. M.

SCHOOL Cost, \$85,000
REDWOOD CITY, San Mateo Co., Cal.
One-story reinforced concrete school (6 classrooms) and one-story frame and stucco school (3 classrooms).
Owner—Redwood City School District.
Architect—Coffey & Rist, Pelan Bldg., San Francisco.

SACRAMENTO, Cal.—Until August 10, 5 P. M., bids will be received by Charles C. Hughes, secretary, Board of Education, to furnish f.o.b. schools, supplies and equipment under the following classifications: Bacteriology, Anatomy, Engineering, Laboratory, Physical Training and Fuel (wood) Certified check 10% required with bid. Specifications obtainable from Business Manager, Board of Education, 21st and L Sts., Sacramento.

Plans Opened.
SCHOOL Cost, \$—
PISMO, San Luis Obispo Co., Cal.
One-story brick school (3 classrooms, auditorium and kitchen).
Owner—Pismo Elementary School District.

Architect—Louis N. Crawford, Gibson-Drexel Bldg., Santa Maria.
Neves & Harp, Santa Maria.....\$25,437
A. C. Morrill Co., Santa Maria 25,460
Wiggs Const. Co., San Luis Obispo.....26,599

The Ambron Co., Palo Alto.....26,956
Chas. Fairbanks, San Luis Obispo.....27,300

Anton Johnson Co., South Pasadena.....27,400

Campbell Const. Co., L. A.....27,619

Doane Bldg. Co., Santa Maria.....27,650

T. M. Maino, San Luis Obispo.....27,938

W. J. Smith, San Luis Obispo.....28,185

Jones & Turner, Santa Maria.....28,516

Johnson & Hansen, Santa Barbara.....28,572

R. E. Lewis, Corcoran.....28,990

Sub-Contracts Awarded.
AUDITORIUM Cost, \$100,000
VISALIA, Tulare Co., Cal.

Auditorium, 88x134-ft.
Owner—Visalia Union High School District.

Architect—E. J. Kump, Fresno.

Contractor—R. Hodgson, Porterville, \$87,075.

Will be of fireproof, reinforced concrete and steel construction and is designed in modern renaissance. The exterior will be imitation stone finish, with Italian tile roof and ornamental cast stone.

The building comprises a ground floor, balcony a stage 24 by 64 feet, equipped with a fly gallery, gridirons, scenery loft, dressing, property, paint and musicians' rooms. Pipe organ will also be installed.

Reinforcing steel—Kyle & Co., Fresno.

Structural Steel, Miscellaneous Iron & Steel—O. M. Brockliss, Fresno.

Millwork—Fresno Planing Mill, Fresno

Glass and Glazing—Tyre Bros, Fresno

Painting—Wilcoxson & Wilson, Sacramento.

Electric Work—Robinson Electric Co., Fresno.

Plumbing—Fred Stone, Porterville.

Heating and Ventilating—Barrett and Hicks, Fresno.

Sheet Metal—J. E. Pettijohn, Delano.

Tile—Fresno Marble & Tile Co., Fresno

Roofing—Virgil Hodgson, Porterville.

Plastering—J. E. Masia, Fresno.

To Ask Bids July 31—To Be Opened August 14.

SCHOOL Cost, \$50,000 to \$70,000
SACRAMENTO, Sacramento Co., Cal.

34th and W Streets.

One-story brick and steel manual training quarters for high school (mill construction roof).

"Gold Medal" Safety Scaffolding

for use on steel and concrete frame buildings; saves lives, time and money

It pays to use the best Scaffolding Equipment whenever a Scaffold is required. The risk is always great.

THE PATENT SCAFFOLDING COMPANY

270 13th Street, San Francisco - Phone HEmlock 4278

Lessor of Suspended and Swinging Safety "Gold Medal" Scaffolding.

OWNERS—City of Sacramento School

Dist. Charles Hughes, superintendent, Board of Education.

Architect—Jens C. Pedersen, 826 26th St., Sacramento.

Brick or plaster interior partitions, concrete floors, brick and some plaster exterior finish, oil burning heating system. There will be considerable equipment for vocational departments.

CONTRACTS AWARDED

SPECIAL FIXTURES Cost, \$—
HOLLISTER, San Benito Co., Cal.

Special fixtures for school.
OWNER—Hollister School District.

Architect—W. H. Weeks, 525 Market St., San Francisco.

Special Fixtures

Fink & Schindler, 228 13th St., San Francisco.....\$7,973

Electric Work

Roy M. Butcher, 1020 Sherwood, San Jose.....\$3,198

Heating bids were rejected. Plans will be revised and new bids called for.

Following is a complete list of bids:

Special Fixtures

Fink & Schindler, San Francisco \$7-394 (1) add \$579.

C. E. Weber Co., San Francisco, \$7-800 (1) add \$845.

Home Mfg. Co., San Francisco, \$7-900 (1) add \$661.

Pacific Mfg. Co., San Francisco, \$8-915 (1) add \$737.

Sheldon Co., San Francisco \$9,440 (1) add \$600.

Electrical Work

Roy M. Butcher, San Jose (1) add \$400 (2) add \$88.

Hollister Electric Co., Hollister \$3-206 (1) add \$278 (2) add \$74.

Sub-Contracts Awarded.

SCHOOL Cont. price, \$17,990
ALPINE, San Joaquin Co., Cal.

One-story and basement school (four rooms; brick construction; steam heat; tile roof).

Owner—Alpine School District, L. K. Marshall, clerk.

Architect—Davis-Pearce Co., 47 North Grant St., Stockton.

Contractor—Swanson & Chance, Turlock.

Brick Work—Dick Williams, Country Club Blvd., Stockton.

Plastering—John Perry, Bank of America Bldg., Stockton.

Electric Work—Grove Electric Co., Brentwood.

Lumber & Building Materials—Brentwood Lumber Co., Brentwood.

Painting—M. Larne, Brentwood.

Contract Award Pending.

SCHOOL Cost, \$1673
FRUTO, Glenn Co., Cal.

One-story school building.
Owner—Fruto School District, Mrs.

Bessie Haskell, clerk, Fruto.

Architect—Not Given.

A. Rempter, Artois, at \$1,673, claims error of \$400 in compiling his bid and has requested the Board of Trustees to withdraw same. Request taken under advisement.

Plans Being Figured—Bids Close August 12, 8 P. M.

SCHOOL Cost, \$85,000
REDWOOD CITY, San Mateo Co., Cal.

One-story reinforced concrete school (6 classrooms) and one-story frame and stucco school (3 classrooms).

Owner—Redwood City School District, C. G. Uebenberg, clerk.

Architect—Coffey & Rist, Phelan Bldg. San Francisco.

Separate bids are wanted for:

(1) Construct auditorium at Washington School;

(2) Construct three additional classrooms at the Garfield School.

(3) Construct new school in Eagle Hill Section.

Certified check 10% payable to clerk required with bid. Plans obtainable from the architects and on file in office of John Gill, McKinley School, Redwood City. Deposit of \$10, required for plans, returnable.

To Ask Bids In One Week.

SCHOOL & HOME Cost, \$200,000
SAN FRANCISCO. Silver Avenue.

Four-story reinforced concrete girls' school and home.

Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St.

Architect—H. A. Minton, 525 Market Street.

Bids Rejected—Plans Being Revised.
SCIENCE BLDG. Cost, \$—

SANTA BARBARA, Santa Barbara Co.

Three-story reinforced concrete Science Bldg. (approx. 24,000 sq. ft. floor area).

Owner—State of California.

Architect—George M. McDougall, state architect, Public Works Building, Sacramento.

The building is to be three stories with reinforced concrete foundations, floors and walls, tile partitions, concrete and wood roof construction and tile and composition roof.

The Science building will have floor area of approximately 24,000 sq. ft. On previous bid opening low bids were as follows:

General Work—H. Mayson, Los Angeles, \$113,700.

Mechanical Work—Hickman Bros. San Pedro, \$28,600.

Heating and Ventilating—Thos. Haverty Co., 316 E 8th St., Los Angeles, \$15,499.

Electric—H. H. Walker, Los Angeles, \$7,800.

Plumbing—J. A. Fazio, Oakland, \$9324.

Complete list of bids published July 22. New bids will be called for after August 14.

Plans Being Figured—Bids Close August 14, 7:30 P. M.

ADDITION Cost, \$6000
CONCORD, Contra Costa Co., Cal. Mt.

Diablo High School.

Addition to gymnasium (add dressing rooms and showers etc.) (frame construction, tile floors and walls, gas steam radiation, hot water storage tank and heater, composition roofing).

Owner—Mt. Diablo Union High School District, Concord.

Architect—Paul Dragon and C. R. Schmidts, Mercantile Bank Bldg., Berkeley.

To Ask Bids In One Week.

SCHOOL Cost, \$100,000
REDWOOD CITY, San Mateo Co., Cal.

NE Katherine and Grand Sts.

Two-story concrete school (Spanish type, ten classrooms, club house, auditorium and cafeteria).

Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.

Architect—H. A. Minton, 525 Market St., San Francisco.

Date Of Opening Bids Postponed Until Aug. 8, 7:30 P. M.

SCHOOL Cost, \$12,000
FORT BRAGG, Mendocino Co., Calif.

Leggett Valley.

One-story frame school (4 classrooms, auditorium and offices).

Owner—Fort Bragg Union High School District, J. J. Tallman, clerk, Ft. Bragg.

Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

Certified check or bond 10% required with bid. Plans obtainable from clerk or architect on deposit of \$10, returnable.

BERKELEY, Alameda Co., Calif.—

Following bids received by Board of Education for the following improvements on school grounds:

Garfield School Fencing.
Kamian Fence Co., 351 Bryant St., San Francisco.....\$1,306.00

Berkeley Hardware Co., Berkeley.....1,461.71

California Orn. Iron & Fence Co., Oakland.....1,480.00

Anchor Post Fence Co., S. F.....1,495.00

Standard Fence Co., S. F.....1,500.00

Hercules Fence Co., S. F.....2,141.53

Jefferson School Fencing
Kamian Fence Co., 351 Bryant St., San Francisco.....\$1,955.00

Standard Fence Co., S. F.....2,100.00

Berkeley Hardware Co., Berkeley.....2,694.15

California Orn. Iron & Fence Co., Oakland.....2,711.61

Anchor Post Fence Co., S. F.....2,729.00

Hercules Fence Co., S. F.....3,042.80

Emerson School Fencing
Standard Fence Co., 422 Bryant St., San Francisco.....\$500.00

Kamian Fence Co., S. F.....563.00

California Orn. Iron & Fence Co., Oakland.....778.00

Anchor Post Fence Co., S. F.....784.00

Berkeley Hardware Co., Berkeley.....850.00

Hercules Fence Co., S. F.....902.13

Columbus School Fencing
Kamian Fence Co., 351 Bryant St., San Francisco.....\$1,151.00

Berkeley Hardware Co., Berkeley.....1,351.62

California Orn. Iron & Fence Co., Oakland.....1,361.00

Anchor Post Fence Co., S. F.....1,375.00

Standard Fence Co., S. F.....1,656.00

Hercules Fence Co., S. F.....1,828.23

Garfield School Grading
H. A. Christie, Berkeley.....\$2,661.03

L. Catucci, Oakland.....2,921.00

Lee J. Immel, Berkeley.....2,959.00

Jefferson School Grading
Heafey-Moore Co., 344 High St. Oakland.....\$7,095.00

Lee J. Immel, Berkeley.....8,280.00

Ariss Knapp Co., Oakland.....\$4,700.00

Davis & Ferrabee, Oakland.....8,803.00

H. A. Christie, Berkeley.....8,855.00

L. L. Gage.....10,341.00

Emerson School Grading
H. A. Christie, Berkeley.....\$2,437.89

Davis & Ferrabee, Oakland.....3,100.00

Heafey-Moore Co., Oakland.....3,475.00

Ariss Knapp Co., Oakland.....3,645.00

Lee J. Immel, Berkeley.....3,670.00

Bids held under advisement.

Contract Awarded.

SCHOOL Cont. price, \$17,990
ALPINE, San Joaquin Co., Cal.

One-story and basement school (four rooms; brick construction; steam heat; tile roof).

Owner—Alpine School District, L. K. Marshall, clerk.

Architect—Davis-Pearce Co., 47 North Grant St., Stockton.

Contractor—Swanson & Chance, Turlock.

Contract awarded on Alternates 2, 3, 4, 5, and 6.

Following is a complete list of bids:

Swanson & Chance, Turlock.....\$16,385

John Hackman, Stockton.....16,500

Neil & Wirtner, Turlock.....16,883

J. R. Leighton, Stockton.....17,551

L. Uebels, Ripon.....17,593

H. W. Johnson, Stockton.....17,685

C. E. Dodd, Stockton.....17,717

George Roek, Stockton.....17,746

C. E. Totten, Stockton.....17,749

H. E. Vickroy, Stockton.....17,771

Sam Eyre, Tracy.....17,779

I. E. Toothache, Stockton.....17,836

F. B. Guyon, Stockton.....18,220

Fitzsimmons & Mathey.....18,707

Wm. Buck, Stockton.....18,755

Sub-Contracts Awarded.

ALTERATIONS Cont. price, \$10,354
MODESTO, Stanislaus Co., Cal.

Alterations and additions to one-story

and basement brick school (Washington School) and two classrooms. Owner—Modesto Grammar School District.
 Architect—Davis-Pearce Co., 47 North Grant St., Stockton.
 Contractor—Neil & Wirtner, Turlock.
 Concrete—Lloyd Terill, Turlock.
 Plumbing, Sheet Metal and Heating—H. Hoffman, Modesto.
 Lumber—Modesto Lumber Co., Modesto.
 Hardware—Frank J. Youngdale, Turlock.

SANTA BARBARA, Cal.—Until 3 P. M., August 5, bids will be received by the Santa Barbara Board of Education for furnishing and installing carpet in accordance with specifications on file at the Board Office, 1235 Chapala St., Santa Barbara. Certified or cashier's check or bond for 5% required. E. Carlotta Dengate, clerk.

Plans Being Completed.
SCHOOL Cost, \$50,000 to \$70,000
 SACRAMENTO, Sacramento Co., Cal., 34th and W Streets.
 One-story brick and steel manual training quarters for high school (mill construction roof).
 Owner—City of Sacramento School Dist., Charles Hughes, superintendent, Board of Education.
 Architect—Jens C. Pedersen, 826 26th St., Sacramento.

Brick or plaster interior partitions, concrete floors, brick and some plaster interior finish, oil burning heating system. There will be considerable equipment for vocational departments. Final plans are to be submitted July 27 for approval. Bids will be advertised for immediately after that date.

REDWOOD CITY, San Mateo Co., Cal.—See "Streets and Highways," this issue. Bids opened by Sequoia Union High School District, for grading and surfacing certain driveways and automobile parking spaces on the grounds of the high school.

Contract Awarded.
SCHOOL Cont. Price, \$5300
 WOODFORD, Alpine Co., Cal.
 One-story school.
 Owner—Lincoln School District, Mrs. E. Dangberg, Clerk.
 Architect—Chas. F. Dean, 1406 California State Life Bldg., Sacramento.

Contractor—C. J. Hopkinson, 1810 28th St., Sacramento.

Construction Postponed Indefinitely.
GYMNASIUM Cost, \$12,000
 TOMALES, Marin Co., Calif.
 One-story and basement frame and stucco addition to Tomales High School (auditorium, 45x80, bleachers, stage, cafeteria, kitchen, supply rooms, lecture hall).
 Owner—Tomales High School District.
 Architect—N. W. Sexton, deYoung Bldg., San Francisco.

The trustees of the district have decided to defer construction of this structure due to protests of taxpayers who oppose any increase in the present school tax rate.

Plans Being Figured—Bids Close Aug. 10, 8 P. M.
SCHOOL Cost, \$—
 LINCOLN, Placer Co., Cal.
 One-story school.
 Owner—Central School District, C. E. Maloney, clerk, Lincoln.
 Architect—Not Given.

Certified check 10% payable to the Board of Trustees of district required with bid. Plans obtainable from clerk at Lincoln.

HILLSBOROUGH, San Mateo Co., Cal.—Until August 11, 5 P. M., bids will be received by Thomas H. Breeze,

clerk, Hillsborough School District, to furnish:
 (a) 30 size "A" adjustable movable steel desks.
 (b) 10 size "B" adjustable movable steel desks of the American universal type or its equivalent.
 Certified check 10% required with bid. Further information obtainable from clerk.

Contract Awarded.
SCHOOL Cost, \$1673
 FRUTO, Glenn Co., Cal.
 One-story school building.
 Owner—Fruto School Dist., Mrs. Besie Haskell, clerk, Fruto.
 Architect—Not Given.
 Contractor—A. Remter, Artois.
 Other bidders were: J. W. Halterman, \$2,051; E. W. Hoback, \$2,197; Walter V. Crone, \$2,259; A. G. Jansen, \$2,396.

Bids Rejected—New Bids To Be Asked
GYMNASIUM (1st unit) Cost, \$20,000
 CHICO, Butte Co., Cal.
 One-story brick gymnasium (composition roof, steam heating system, showers, lockers and steel sash).
 Owner—Chico Union High School Dist.
 Architect—Cole & Brouhard, 1st National Bank Bldg., Chico.
 Plans will be revised and new bids asked for in about one week. Complete list of bids published July 24.

Contract Awarded.
HEATING SYSTEM Cont. Price, \$1134
 MARTINEZ, Contra Costa Co., Cal.
 (Alhambra High School).
 Heating system for high school.
 Owner—Alhambra Union High School District.
 Architect—W. H. Weeks, 525 Market St., San Francisco.
 Contractor—P. J. Kennedy, Martinez.
 Only other bid submitted by W. A. Aschen, Oakland, at \$1394.

Plans Being Figured—Bids Close Aug. 10th.
SCHOOL ADDITION Cost, \$—
 MILBRAE, San Mateo Co., Cal.
 One-story frame and stucco addition to grammar school (2 classrooms, kindergarten, corridors, etc.).
 Owner—Milbrae Grammar School District.
 Architect—Edwards and Schary, 605 E. Market St., San Francisco.
 Plans may be obtained from the office of the architects.

Plans Being Prepared.
SCHOOL Cost, \$9000
 DUNNIGAN, Yolo Co., Cal.
 One-story concrete school (stucco exterior).
 Owner—North Grafton School District, J. E. Smith, clerk; Fred McCullough and Olaf Olsen, trustees.
 Architect—Charles Deane, California State Life Bldg., Sacramento.
 An election will be held August 10 to vote bonds of \$9000 to finance erection of this structure.

Contract Awarded.
ALTERATIONS Cost, \$5000
 SAN FRANCISCO, SE 15th Street and Utah St.
 Alterations to brick school (reconstruct roof, general alterations).
 Owner—California School of Mechanical Arts, % contractor.
 Architect—Not Given.
 Contractor—I. W. Coburn, 2048 Market Street.

Plans Being Figured—Bids Close Aug. 7th, 8 P. M.
MISCELLANEOUS UNITS Cost, \$—
 SANTA ROSA, Sonoma Co., Cal.
 (a) electrical work (b) special fixture work for Science Unit of Junior College and (c) for heating one or more buildings of the College.
 Owner—Santa Rosa Junior College

District, J. E. Erickson, clerk, Santa Rosa, 1909 E. Washington St., Petaluma.
 Architect—W. H. Weeks, 525 Market St., San Francisco.
 Separate bids are wanted for each unit of the work. Plans are obtainable from the office of the secretary at Petaluma on deposit of \$10, returnable.

Contract Awarded.
ADDITION Cost, \$1421
 EXETER, Tulare Co., Cal.
 One-room addition to Kindergarten Bldg. at Woodrow Wilson School (26x36-ft.)
 Owner—Exeter School District, Fred Hauenstein, clerk, Exeter.
 Architect—Not Given.
 Contractor—T. B. Runciman, Exeter.
 Other bidders were: George Yant, \$1426; Dave Graham, \$1495; O. M. Jackson, \$1800.

The addition will provide accommodations for the manual training departments of the 2 grammar schools.
Sub-Contracts Awarded.
ALTERATIONS Cont. Price \$16,980
 OAKLAND, Alameda Co., Cal. Tenth St. near Peralta St. (St. Patrick's School).
 Alterations and additions to two-story frame and stucco school.
 Owner—Roman Catholic Archbishop, 1100 Franklin St., San Francisco.
 Architect—Albert J. Loubet, 167 Hillcrest Road, Berkeley.
 Contractor—Chas. McCullough, 1634 Piedmont Way, Berkeley.

Hardwood Floors—Inlaid Floor Co., 4067 Watts St., Emeryville.
Heating—Scott Co., 113 10th St., Oakland.
Plumbing—Coveney & Ehret, 1603 Bonita Ave., Berkeley.
Wiring—White Electric Co., 2305 Shattuck Ave., Berkeley.
Lumber—Tilden Lumber Co., Foot of University Ave., Berkeley.
Millwork—Oakland Planning Mill Co., Second and Washington Sts., Oakland.
Roofing—Bay City Asbestos Co., Inc., 188 10th St., Oakland.

Contracts Awarded.
SCHOOL Cost, \$—
 SARFEL, Monterey Co., Cal.
 Lathing, plastering and lating for one-story frame and stucco grammar school.
 Owner—Sunset School District.
 Architect—Swartz & Ryland, Spazier Bldg., Monterey.
Heating—Barton-Oil-O-Matic, Monterey, at \$5040.
Lathing and Plastering—James Smith, 271 Minna St., San Francisco, at \$5500.

Heating Contract Awarded.
SCHOOL Cost, \$80,000
 SAN FRANCISCO, Sixteenth and Dolores Street.
 Two-story and basement reinforced concrete and steel frame parochial school.
 Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St.
 Architect—H. A. Minton, Underwood Building.
 Engineer—L. H. Nishkian, 525 Market Street.
 Mechanical Engineers—Leland & Haley, 58 Sutter St.
 Contractor—Cahill Bros., 206 Sansome Street.

Will be known as Mission Dolores School. Father John Sullivan is pastor of Mission Dolores Church.
 Heating—A. A. Pollis, 401 14th Ave., \$3,815.
 As previously reported, plumbing awarded to W. J. Forster, 355 4th St.

Plans Being Figured Bids Close Aug.

12, 8 P. M.

ST. PIERRE, ABILETTON Cost, \$—
 MILLBRAE, San Mateo Co., Cal.
 One-story frame and stucco addition
 to main school, 12 classrooms,
 gymnasium, corridors, etc.)

Owner—Millbrae Grammar School Dis-
 trict.

Architect—Edwards and Schuy, 605
 Market St., San Francisco.

Plans may be obtained from the of-
 fice of the architect.

BANKS, STORES & OFFICES

Plans Being Completed.

REMODELING Cost, \$—
 SAN RAFAEL, Marin Co., Cal. 530 B
 Street.

One-story hollow tile and stucco top
 addition to newspaper building and
 remodel ground floor.

Owner—Harry Lutgens, % The Indep-
 endent, 530 B St., San Rafael.

Architect—N. W. SEXTON, deYoung
 Bldg., San Francisco.

Bids will be taken in about 30 days.

Bids Opened—Under Advertisment.

ALTERATIONS Cost, \$—
 SAN FRANCISCO, E Grant Ave. bet.
 Post and Sutter Sts.

Alterations to store and loft building.

Owner—Not Given.

Architect—Bertz, Winter and Maury,
 210 Post Street.

Lessee—Podesto and Baldocchi, prem-
 ises.

Contract Awarded.

STORE Cost, \$10,000
 OAKLAND, Alameda Co., Ca. SE
 Eighth St. and Broadway.

One-story reinforced concrete store.

Owner—Capital Co., 1008 Oakland
 Bank Bldg., Oakland.

Architect—H. A. Minton, 525 Market
 St., San Francisco.

Contractor—Jacobs & Pattiani, 337
 17th St., Oakland.

Contract Awarded.

ALTERATIONS Cost, \$10,000
 BERKELEY, Alameda Co., Cal. Shat-
 tuck and Alameda Avenues.

Alterations and additions to store.

Owner—J. F. Hink & Son, Premises.

Architect—W. H. Ratchiff Jr., Cham-
 ber of Commerce Bldg., Berkeley.

Contractor—Edw. Anderson, % Owner

Work to start after August 15.

Sub-Contracts Awarded.

STORE Cost, \$—
 OAKLAND, Alameda Co., Cal. Broad-
 way near 19th Street.

One-story reinforced concrete store
 (40x100 feet).

Owner—Albert E. Kern and Samuel
 Hamburger.

Architect—Reed & Corlett, Oakland
 Bank Bldg., Oakland.

Mgr. of Constr.—F. A. Muller, Syndi-
 cate Bldg., Oakland.

Plumbing—Nix Finzel, 2025 Hopkins
 St., Oakland.

Heating—Scott Co., 113 10th St., Oak-
 land.

Tile—Rigney Tile Co., 3012 Harrison
 St., Oakland.

Roofing—A. K. Goodmundson, 45th
 Ave. at Clement St., Oakland.

Terrazzo—Consolidated Terrazzo Co.
 Concrete—J. H. Fitzmaurice, 354 Ho-
 bart St., Oakland.

Other awards reported July 3, 1931.

Plans Being Completed.

STORE Cost, \$10,000
 NEW MONTEREY, Monterey Co.,
 Cal. Lighthouse and Hammond
 Streets.

Two-story reinforced concrete store
 (reinforced concrete walls, con-
 crete floors, tile and frame roof,
 steel sash, plate glass, etc.)

Owner—E. B. Gross, Monterey.

Architect—Swartz & Ryland, Spazier

Bldg., Monterey, 373 Main St., Sa-
 lmas and Brix Bldg., Fresno.

General bids will be taken July 28.

Concrete Contract Awarded.

APARTMENTS Cont. price, \$10,095
 SAN MATEO, San Mateo Co., Cal.
 Two-story frame apartment and store
 building.

Owner—Martin Stelling, 155 Montgom-
 ery St., San Francisco.

Architect—Bertz, Winter and Maury,
 210 Post St., San Francisco.

Contractor—G. P. W. Jensen, 320 Mar-
 ket St., San Francisco.

Concrete—DeLuca & Son, 666 Mission
 St., San Francisco.

Sub-bids are wanted on all other
 portions of the work.

Composition Flooring Contract
Awarded.

ALTERATIONS Cost, \$4000
 OAKLAND, Alameda Co., Calif. 17th
 Street and Telegraph Avenue.

Remodeling 1-story frame and stucco
 store building.

Owner—Withheld.

Architect—E. A. Eames, 353 Sacra-
 mento St., San Francisco.

Contractor—Barrett & Hill, 918 Har-
 rison St., San Francisco.

Composition Roofing—F. G. Oellerich,
 1825 Woolsey, Berkeley.

Other awards previously reported.

Contract Awarded.

ALTERATIONS Cost, \$24,500
 SAN JOSE, Santa Clara Co., Cal. 128-
 134 S First Street.

Alterations to type III building.

Owner—Zuker, Inc., 923 Market St.,
 San Francisco.

Architect—Not Given.

Contractor—Vernon Fixture & Cab-
 inet Co., % owner.

Contract To Be Awarded.

STORE Contract price, \$3830
 ARLINGTON ESTATES, Contra Costa
 Co., Cal. Arlington Avenue.

One-story frame and brick store (two
 stores; tile and tar and gravel
 roof; first unit).

Owner—H. F. Wehman, 1347 Grove St.
 Berkeley.

Architect—Hardman & Russ, Berkeley
 Bank Bldg., Berkeley.

Contractor—Fox Bros., 1484 University
 Ave., Berkeley.

Following is complete list of bids:

Fox Bros., 1484 University Ave., \$3-
 830.

Conner & Conner, 1733 Francisco St.,
 \$3,841.

R. C. McBride, Jr., 4127 Broadway,
 Oakland, \$3,877.

Harry Kane, 921 Ramona Ave., \$3-
 861.

Beckett & Wight, 722 Scenic Ave.,
 \$3,959.

Frank Appelbe, 2405 Acton St., \$4-
 162.

Sub-Bids Wanted.

STORE Cost, \$10,000
 BURLINGAME, San Mateo Co., Cal.
 Capuchino St. near Broadway.

One-story reinforced concrete store (2
 stores; tile front, tar and gravel
 roof, plate glass).

Owner—Pladwell & Braunschweiger.

Architect—W. C. F. Gilliam, 1404
 Broadway, Burlingame.

Const. Supt.—Russell E. Coleman, 1404
 Broadway, Burlingame.

Contractor—George McLeod, 2487 32nd
 Ave., San Francisco.

Sub-bids are wanted on electric work
 and painting.

Bids Rejected—Plans Being Revised.

NEWSPAPER OFFICE Cost, \$25,000
 REDWOOD CITY, San Mateo Co., Cal.

One and two-story reinforced concrete
 office building.

Owner—Peninsula Newspapers, Inc.,
 248 Hamilton St., Palo Alto.

Architect—John B. McCoil, 381 Bush
 St., San Francisco.

New bids will be called for shortly.

Plans Prepared.

ALTER BLDG. Cost, \$30,000
 RENO, Washoe Co., Nevada.

Alterations to building (new front,
 plate glass, plaster work, painting,
 decorating, plumbing, kitchen
 equipment).

Owner—Henry's of Hollywood, Ltd.,
 Hollywood.

Contractor—H. L. Gogerty, Hollywood
 Guaranty Bldg., Hollywood.

Plans Being Figured.

REMODELING Cost, \$—
 OAKLAND, Alameda Co., Cal. 19th
 and Telegraph Ave.

Remodel store for market (plate glass,
 tile work, etc.)

Owner—Withheld.

Architect—Albert Evers, 525 Market
 St., San Francisco.

To Be Done By Day's Work By Owner

ALTERATIONS Cost, \$10,000
 OAKLAND, Alameda Co., Cal. 11th
 and Broadway.

Alter class C bank for stores.

Owner—Bank of America.

Architect—H. A. Minton, 525 Market
 St., San Francisco.

To Be Done By Day's Work By Owner

ALTERATIONS Cost, \$10,000
 BERKELEY, Alameda Co., Cal. Shat-
 tuck and University Avenues.

Alter 1-story class C bank for stores.

Owner—Bank of America.

Architect—H. A. Minton, 525 Market
 St., San Francisco.

THEATRES

Contract Awarded.

THEATRE Cost, \$140,000
 LOS ANGELES, Cal. No. 3341 Leimert
 Place.

One and two-story Class A reinforced
 concrete theatre (95x236) (to seat
 1304).

Owner—Westside Land Co., Inc.

Architect—Morgan, Walls & Clements,
 Van Nuys Bldg., Los Angeles.

Contractor—Lindgren & Swinerton,
 523 W-Sixth St., Los Angeles.

SEEKS APPROPRIATIONS

OAKLAND, Cal.—City Manager Os-
 sian E. Carr, in a budget submitted
 to the city council, seeks an appropria-
 tion of \$125,000 to finance erection of
 an exposition building south of the
 Municipal Auditorium to house various
 shows and expositions.

Contract Awarded.

THEATRE Cost, \$118,000
 LONG BEACH, Los Angeles Co., Cal.
 No. 209-223 E-Ocean Blvd.

One-story reinforced concrete theatre
 (100x144 feet).

Owner—United Artists Theatres of
 California.

Architect—Walker & Eisen and C. A.
 Balch, Western Pacific Bldg., Los
 Angeles.

Contractor—Henry I. Beller Constr.
 Co., 6513 Hollywood Blvd., Los
 Angeles.

Plans Being Revised.

THEATRE Cost, \$400,000
 STOCKTON, San Joaquin Co., Cal.
 Main St., bet. Market and Stan-
 islaus Streets.

Two-story Class A theatre.

Owner—National Theatres Syndicate,
 25 Taylor St., San Francisco.

Architect—Bliss & Fairweather, Bal-
 boa Bldg., San Francisco.

Slight revisions are being made in
 the plans. Whether new bids will be
 taken or not is indefinite at this time.

Contract Awarded.
THEATRE Cost, \$—
LOS ANGELES, Cal. Wilshire Blvd
and Mansfield Ave.
Reinforced concrete theatre.
Owner—United Artists.
Architect—Walker & Eisen, Western
Pacific Bldg., Los Angeles.
Contractor—Henry I. Beller Const. Co.
6313 Hollywood Blvd., Los Angeles.

Electrical Contract Awarded.
ALTERATIONS Cost approx. \$50,000
SAN FRANCISCO, No. 4631 Mission
St. (Excelsior Theatre).
Alterations to present theatre (heat-
ing and ventilating, painting,
plumbing, electrical work).
Owner—Golden State Theatre & Real-
ty Co., 25 Taylor St., San Fran-
cisco.
Architect—F. H. Meyer, 525 Market
St., San Francisco.
Contractor—Clinton Stephenson Const.
Co., Monadnock Bldg.
Electrical—Globe Electric Works,
15th and Mission Sts., at \$6638.
Other awards reported July 11, 1931.

Sub-Bids Being Taken.
THEATRE Cost, \$32,000
SAN JOSE, Santa Clara Co., Cal. NE
First and San Salvador Sts.
Two-story class A reinforced concrete
theatre and store building.
Owner—Mrs. Norman M. Parrott and
Morey E. Fleming.
Lessee—United Artists Corp., 1966 S
Vermont St., Los Angeles.
Architect—Walker & Eisen and C. A.
Balch, 1031 S Broadway, Los An-
geles and 580 Market Street, San
Francisco.
Contractor—Barrett & Hilp, 918 Har-
rison St., San Francisco.

Sub-Bids Wanted.
THEATRE Cost, \$60,000
VALLEJO, Solano Co., Cal.
Two-story class A reinforced concrete
theatre and store.
Owner—United Artists Corp., Los An-
geles.
Architect—Walker & Eisen and C. A.
Balch, Western Pacific Bldg., Los
Angeles.
Contractor—Beller Const. Co. 530 Mar-
ket St., San Francisco and 6513
Hollywood Blvd., Los Angeles.
Monolithic concrete exterior finish,
concrete and wood floors, wood, metal
lath and plaster interior partitions,
composition roofing, hot air heating
system and gas furnace.
Sub-bids are wanted on all portions
of the work.

Sub-Bids Wanted.
THEATRE Cost, \$150,000
RICHMOND, Contra Costa Co., Calif.
S Macdonald bet. 7th and 8th Sts.
Class A reinforced concrete theatre (to
seat 1200).
Owner—United Artists Corp., Los An-
geles (Lewis Anger in charge).
Architect—Walker & Eisen and C. A.
Balch, Western Pacific Bldg., Los
Angeles.
Contractor—Beller Const. Co. 530 Mar-
ket St., San Francisco and 6513
Hollywood Blvd., Los Angeles.
As previously reported, excavation
awarded to Marshall & Higgins, Rich-
mond; lumber to San Pablo Lbr.
Co., Richmond; rock, sand and gravel
to Richmond Navigation & Imp. Co.,
Richmond.

WHARVES AND DOCKS

Plans To Be Prepared.
YACHT HARBOR Cost, \$10,000
MARTINEZ, Contra Costa Co., Cal
Wharf and piers.
Owner—G. W. McNear, Federal Re-
serve Bank Bldg., San Francisco.
Architect—Not Selected.
Application has been made to the

Board of Supervisors for a wharf
franchise.

MISCELLANEOUS
CONSTRUCTION

Plans To Be Prepared.
RAVETRUCK Cost, \$300,000
CONTRA COSTA COUNTY. Site not
yet selected.
Horse racing track, stables, clubhouse,
etc.
Owner—Wm. P. Kyne, 1945 Broadway,
San Francisco.
Architect not yet selected.

Lumber Bids Being Taken.
SPEEDWAY, ETC. Cost, \$25,000
OAKLAND, Alameda Co., Cal. East
14th Street.
Auto speedway and frame grandstand.
Owner—H. B. Clark, 2604 Short Street,
Fruitvale.
Plans by Eng. Dept. of A.A.A.
Owner is taking bids. Grading con-
tract will be awarded within a week.

WOODLAND, Yolo Co., Cal.—Peti-
tions are being circulated by the Peti-
tioners' Association requesting the
city council to secure estimates of
cost and construct a municipal swim-
ming pool.

SAN FRANCISCO—Four bids re-
ceived by the Board of Supervisors
on garbage disposal have been refer-
red to the Board of Health for analysis.
Bidders were: Superior Incinerator
Co. of Dallas, Texas; Ludwig Incin-
erator Co., J. H. Baxter Co. and the
Bicardi Disposal Co. of San Fran-
cisco. The bids were based on three
proposals, namely: Construction of
an incinerator plant according to the
city engineer's specifications; con-
struction under the bidder's own
specifications, and for disposal by
any means other than dumping at
sea.

CENTERVILLE, Fresno Co., Cal.—
Green Mills Dance Pavilion, three res-
idences and a restaurant, were des-
troyed by fire last Monday. The loss
is estimated at \$10,000. Frank Perry
of Centerville was owner of the Green
Mills resort.

Additional Sub-Contracts Awarded.
TRACK Cost, price, \$239,775
BERKELEY, Alameda Co., Cal. Un-
iversity Campus, Fulton Street and
Bancroft Way.
Reinforced concrete track stadium
Bowl (to seat approx. 20,000).
Owner—University of California.
Architect—Warren C. Perry, 260 Cal-
ifornia St., San Francisco.
Contractor—C. Dudley DeVelbiss, 369
Pine St., San Francisco.
Work involves two bleacher struc-
tures of reinforced concrete, team
quarters, lockers and showers, toilet
rooms, telephone and radio accommo-
dations.
Concrete—Quality Concrete Co., Oak-
land.
Electric—NePage-McKenny Co., 7
Front St., San Francisco.
Other awards reported July 22, 1931.

PALO ALTO, Santa Clara Co., Cal.
—City Engineer J. F. Byxbee Jr., has
completed surveys for swimming pool
to be excavated on city owned lands
on the bay front; will be irregular,
elliptical shape, 450 ft. long by 350 ft.
wide, varying in depth from 1 ft. at
edge of water. Capacity of 6,000,000
gals. of water. Pumping plans will
be connected with wells in the dis-
trict. Preliminary estimates of cost
are segregated as follows:
Slope excavation, 15,000 cubic
yards, at 20 cents.....\$ 3,000
Dredger excavation, 20,000 cubic
yards at 6 cents.....1,200

Shall fill, 4000 cubic yards at 10 cents.....	1,600
Sand fill and beach, 1900 cubic yards at 40 cents.....	1,500
Rubble wall, 750 cu. ft.....	1,125
Grading and levelling sand and shell, 100,000 sq. ft.....	1,000
Drainage pipe and gate valve, 3-foot diameter.....	4,000
Pumps, wells and fittings.....	1,000
Bathroom, frame construction.....	10,000
Plumbing and water heating.....	2,000
Roof and tile.....	3,400
Planting trees and installing irrigation system.....	2,000
Contingencies, 10 per cent.....	3,000
Total.....	\$33,925

MISCELLANEOUS SUPPLIES
AND MATERIALS

Contract Awarded.
MORTUARY Cont. price, \$15,620
HAYWARD, Alameda Co., Cal.
One-story brick and frame class C
mortuary building.
Owner—Pratt Mortuary, 1044 C Street,
Hayward.
Architect—Miller & Warneke, Finan-
cial Center Bldg., Oakland.
Contractor—Jensen & Pedersen, 3443
Adeline St., Oakland.
(5997) 1st report July 2; 5th, July
22, 1931. 19

OAKLAND, Cal.—Until August 12, 8
P. M., bids will be received by John
H. Kimball, secretary, East Bay Mun-
icipal Utility District, 512 16th St.,
to furnish requirements of Aluminum
Sulphate for the period Sept. 1, 1931
to Aug. 31, 1932, under Proposal No.
329. Specifications obtainable from the
above.

SACRAMENTO, Cal.—E. W. Norton
Manufacturing Co., Oakland, awarded
contract by the state at \$179,659.37
for manufacturing the 1932 California
automobile license plates. The esti-
mated requirements are 2,225,000 sets
of plates.

PORT ORFORD CEDAR
CO. OFFICIALS SUED

Five directors of the Port Orford
Cedar Products Company of Marsh-
field were charged with manipulation
of capital stock of the company in a
suit filed in Federal Court at Portland,
Ore., last Thursday, by other stock-
holders.
The complaint alleges that A. E.
Adelsperger, Claude Nasburg, Benja-
min Ostlund, John D. Goss and W. J.
Conrad, holders of capital stock, for-
med the Western White Cedar Company
in 1928, pooling their Port Orford stock
as capital and delivering to the plain-
tiff company trade acceptances in
amount of \$39,762.27 instead of cash
or the original stock. It is also charg-
ed that Conrad owed the plaintiff \$14,-
810 for this stock.
An order is asked to cancel the
transfer and making the amount Con-
rad is said to owe the plaintiff valid.

Victor L. Giroux, secretary of the
Remillard Brick Company of San
Francisco, and his wife, Mrs. Bernice
Giroux, were killed last Tuesday night
when their automobile was struck by
a train near Pleasanton.
The accident occurred at a crossing
on the Santa Rita-Pleasanton highway
just outside of Pleasanton.
Constable Al Vervels of Pleasanton
had Giroux and his wife taken to hos-
pitals. Giroux died on the way to the
Dolan Hospital at Livermore. Mrs. Gi-
roux died shortly after arriving at the
Hetch Hetchy Hospital.
Giroux, 39 years old, lived at 3150
Franklin Street, San Francisco. Mrs.
Giroux was 35.

Engineering News Section

BRIDGES

No new highway or bridge projects will be advertised for by the State Highway Commission until after Aug. 14 in order that all contracts awarded after that day may contain provisions relating to prevailing wage scale and alien labor, in accordance with laws passed at the recent session of the legislature and which go into effect Aug. 14. The attorney general recently stated that all contracts advertised prior to August 14 must be awarded before that date or they would have to conform to the new law. The estimated amount of projects to be awarded after that date and before Dec. 31 is \$9,000,000.

EUREKA, Humboldt Co., Calif.—County supervisors are awaiting authorization of the U. S. War Department to reconstruct the drawbridge over Big Slough near Eureka. The plans provide for substitution of a fixed span for the present drawbridge type of span over the slough. Frank Kelly, county clerk.

SANTA CRUZ, Santa Cruz Co., Cal.—County supervisors petitioned to replace or repair bridge over the San Lorenzo River between Boulder Creek and River Glen. Referred to County Surveyor Lloyd Bowman for report.

MADERA, Madera Co., Cal.—Gutleben Brothers, Oakland, at \$37,790.50 awarded contract by State Highway Commission to construct steel stringer bridge with concrete deck across Fresno River at Madera, consisting of ten 41-ft. spans and two 40-ft. 9-in. spans on steel pile bents. Complete list of unit and total bids published in issue of July 21.

MARIN-SOMOMA COUNTIES, Cal.—Gutleben Bros., Oakland, at \$19,823.50 awarded contract by State Highway Commission to repair bridge over Petaluma Creek at Green Point, consisting of replacing the floor of the bascule span and making repairs, replacements and additions to operating equipment. Complete list of unit and total bids received on this project published in issue of July 21.

SAN JOSE, Santa Clara Co., Cal.—Until August 17, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to construct two reinforced concrete culverts on the Junipero Serra Boulevard over Matadero and Barron Creeks in Supervisor District No. 5. Certified check 10% payable to county clerk required with bid. Specifications obtainable from County Surveyor Chandler on payment of \$1.

NAPA, Napa Co., Cal.—J. P. Brennan, Redding, at \$57,493.90 awarded contract by city council to construct concrete bridge over the Napa River at Third Street. Sullivan and Sullivan of Oakland, were low bidders on this project at \$56,532, but the bid was rejected as being irregular. A complete list of the unit and total bids on this project were published in issue of July 22.

REDDING, Shasta Co., Cal.—County Surveyor C. F. Wiegels has completed plans to repair the Kennett

bridge over the Sacramento river; estimated cost \$3400.

SEATTLE, Wash.—Until August 3, bids will be received by the Northern Pacific Railway, St. Paul, Minn., to construct substructure for the \$350,000 steel bridge over the Duwamish Waterway. Cost of substructure estimated at \$230,000. The superstructure contract, including fabrication and erection of the steel, is held by the Wallace Bridge & Structural Steel Co., Seattle. The unit of the project is estimated to cost \$120,000. Approximately 800 tons of steel are involved in the contract. The bridge will be of the steel bascule type, having a horizontal clearance of 150 feet.

DREDGING, HARBOR WORKS & EXCAVATIONS

PORTLAND, Ore.—Until August 28, 3 P. M., bids will be received by U. S. Engineer Office, 321 Customhouse, for repairs to south jetty at the mouth of the Columbia River, Oregon, and Washington. Specifications obtainable from above office.

IRRIGATION PROJECTS

ELLENBURG, Wash.—Until Aug. 21, 10 A. M., under Spec. No. 525, bids will be received by U. S. Bureau of Reclamation for the construction of earthwork and structures on North Branch Canal Lateral System; Wippel Pump, Gravity and Turbine Laterals, Kittitas division, Yakima proj., Washington. The work is located near Kittitas and Thrall, Wash. The principal items and the estimated quantities involved are as follows: 423,000 cu. yds. of all classes of excavation; 11,100 cu. yds. of back fill about structures; 1770 cu. yds. of concrete; 1,050 cu. yds. of dry rock paving; placing 116,500 lbs. of reinf. bars; laying 7,378 lin. ft. of 12- to 54-in. precast concrete pipe; furnish and erect 74 M. ft. b.b. timbering in bridges and flumes; and installing 30,500 lbs. of gates and gate lifts. This invitation for bids does not cover the purchase of materials which are to be furnished by the Government. Materials to be furnished by the contractor and those furnished by the Government are described in the specifications which will be a part of the contract. No charge for specifications and plans to prospective bona fide bidders; to others, \$2.75, not returnable. For particulars, address the Bureau of Reclamation, Ellensburg, Wash.; Denver, Colo., or Washington, D. C.

STREET LIGHTING SYSTEMS

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—City council has selected cast iron "California duplex" type of electroliter standards to be installed in Grand Ave. The standard is the patent of the Westinghouse Electric Corporation, but will be manufactured in the South San Francisco plant of the Enterprise Foundry Co. Proceedings for the system will be started at once.

SACRAMENTO, Cal.—Petitions are being circulated for presentation to

the city council seeking the installation of an ornamental electroliter system in K Street between Sixth and Ninth Sts. Standards will be similar to those now in place in J St. bet. 10th and 16th Sts. Fred J. Kalus is city engineer.

MODESTO, Stanislaus Co., Calif.—Business interests have submitted petition to city council seeking installation of single-light electroliter standards in 11th St. bet. K St. and Nehalem Ave. The cost is estimated at \$1.50 per front foot by Frank J. Rossi, city engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—City council petitioned to install ornamental electroliter system in Riverside Avenue, together with underground wiring system. Taken under advisement. Roy Fowler, city engineer.

MACHINERY AND EQUIPMENT

SPARKS, Nevada.—City council will sell \$40,000 in bonds to finance purchase of road building equipment and a triple combination pumper for the fire department with small utility truck, chemical and water hose. The road building equipment will comprise a rock crusher, road roller, scarifier and grader and motor truck with dump body.

MODESTO, Stanislaus Co., Calif.—Until August 8, 3 P. M., bids will be received by W. R. Appling, clerk, Rowe School District, to furnish:

- (a) one truck;
 - (b) one school bus body.
- Specifications obtainable from clerk at Modesto.

RAILROADS

ALAMEDA, Alameda Co., Cal.—See "Government Work and Supplies," this issue. Bids to be asked by U. S. Bureau of Public Roads, foot of Dennison Street, Oakland, for improvements in connection with Government Island.

RESERVOIRS AND DAMS

SAN JOSE, Santa Clara Co., Cal.—City Engineer Wm. Popp is preparing plans for earth-fill dam with concrete core at Cherry Flats reservoir above Alum Rock and bids for construction will be asked within three months. Concrete core of dam will vary in thickness from five to ten feet. The city council has \$60,000 available for construction.

LAGUNA BEACH, Orange Co., Cal.—Until August 4, 10:30 A. M., bids will be received by Leslie C. Weisgerber, secretary, Laguna Beach County Water District, to construct Viejo Street Reservoir. Will be circular in shape with a capacity of 500,000 gallons. The construction will be of reinforced concrete, with wood roof treated with hot asphalt and finished with crushed tile. Plans obtainable from secretary on payment of \$5. Certified check or bond 10% required with bid. A. J. Stead, engineer, 306 3rd St., Laguna Beach.

NYSSA, Ore.—Idaho Contracting Co., Boise, Idaho, at \$67,835 submitted low bid to the U. S. Reclamation Service at Nyssa, to construct the Thief Valley Dam, Baker Irrigation Project. W. H. Packett Co., Boise, second low at \$71,850. Bernard Curtiss Co., Ellensburg, Wash., third low at \$77,646. The dam will be built on Powder river about eight miles south of Telocaset on the 8000-acre Baker Irrigation project. Specifications call for an Amburson type dam, 380 feet long with 270 foot spillway. It will be steel reinforced and will provide storage of about 17,000 acre feet of water.

PIPE LINES, WELLS, ETC.

KETTLEMAN HILLS, Cal.—Geo. Phillips, head of the Kettleman Hills Gas Co., has announced that the company will start work in the near future on the construction of a pipe line to connect the refinery with the Associated Oil Company's wells at Whepley in the North Dome Area. The present haul is approximately 50 miles

SACRAMENTO, Cal.—Until August 6, 8 P. M., new bids will be received by H. G. Denton, city clerk, to furnish and drive 1870 composite or treated timber piles for the new Pre-treatment Works at the Municipal Filtration Plant. Previous bids rejected, due to failure of low bidder to produce a contractor's license as required by state law. Certified check 10% payable to City Controller required with bid. Specifications obtainable from Fred J. Kinsinger, engineer, on payment of \$5. A complete list of bids previously received on this work was published in issue of July 13.

SEWERS AND SEWAGE DISPOSAL PLANTS

LAS VEGAS, Nev.—Election will be held Aug. 12 to vote on a bond issue of \$160,000 to provide for a city sewage disposal plant and sewer mains to serve a population of 15,000. W. L. Benham, Dierks Bldg., Kansas City, Mo., is consulting engineer. Viola Bruns, Las Vegas, is the city clerk.

MODESTO, Stanislaus Co., Calif.—City council contemplates bond issue for \$40,000 finance extensions to the sanitary sewer system. Frank J. Rossi, city engineer.

BENICIA, Solano Co., Calif.—City council declares intention (C-1) to construct 6- and 8-in. vitrified sewers with manholes in portions of M and K Sts. 1911 Act. Hearing August 11. John J. O'Grady, city clerk.

OAKLAND, Calif.—City council declares intention to construct sewer with manholes, lampholes and wye branches in Moraga Ave. and in County Road No. 1109 (Moraga Road), from Estates Drive to manhole in place at east termination of existing 6-in. sewer in the county road east of Pala Ave. Hearing Aug. 11. W. W. Chappell, acting city clerk. Walter N. Frickstad, city engineer.

FORT SHAFTER, T. H.—Until August 25, 1:30 P. M., bids will be received by Department Quartermaster, Fort Shafter, to construct a sewage pumping plant and for repairs, additions and extensions to the sewage system at Fort Shafter. Plans obtainable from Department Quartermaster at Fort Shafter on deposit of \$25.

OAKLAND, Calif.—City council declares intention to construct sewer in Moraga Ave. and in County Road No. 1109 (Moraga Road), from Estates Drive to manhole in place at east termination of existing 6-in. sewer in the

county road east of Pala Ave., involving: (1) 4063 lin. ft. 8-in. pipe sewer; (2) 12 manholes; (3) 2 8-in. lampholes; (4) 8 12-in. lampholes; (5) 21 w. lampholes. Hearing Aug. 11. W. W. Chappell, acting city clerk. Walter N. Frickstad, city engineer.

WATER WORKS

BELMONT, San Mateo Co., Calif.—Proposal to vote bonds of \$85,000 to finance purchase and improvement of a privately owned water system to operate as a municipal project failed to carry. Proposal failed by 40 votes.

COALINGA, Fresno Co., Cal.—Due to a misunderstanding in the specifications, city council has rejected bids and will re-advertise for new bids to furnish and install one bronze fitted horizontal centrifugal pump, direct connected to suitable electric motor, with all connections furnish. Pump to have capacity of 1000 gals. per minute against a total head of 140 ft. when operating on a 440-volt 3-phase 60-cycle electric motor. E. J. McCroskey is city clerk.

SACRAMENTO, Cal.—Until August 6, 8:15 P. M., bids will be received by H. G. Denton, city clerk, to furnish 200 tons of Bauxite for Filtration Division. Certified check of 5% payable to City Controller, required. Further information obtainable from above.

LOS ANGELES, Cal.—September 29 has been set by the Metropolitan Water Board as the date for an election to vote on the \$220,000, bond issue for the construction of the Colorado River Aqueduct. According to F. E. Weymouth, chief engineer, engineering surveys and data have been completed and an immediate start will be made as soon as the issue has been voted and the bonds sold. The first work to be done will be the sinking of shafts in connection with the tunnel work through the San Jacinto mountains near Banning where the main bore will be thirteen miles in length. The aqueduct will be 266 miles in length, including a terminal storage reservoir in Cajalco Hills and a diversion dam at Upper Parker Canyon. The aqueduct proper will embrace both steel pipe and uncovered sections. The chief engineer states that if satisfactory bids can be obtained contracts will be let for certain parts of the work. Otherwise, it is presumed, he will do the work by day labor under his own supervision.

ONTARIO, San Bernardino Co., Cal.—Until 8 P. M., August 3, bids will be received by city council to furnish wrought iron pipe as follows:

- (1) 8700 ft. 4-in. black standard wrought iron pipe, T & C.
- (2) 28,000 ft. 2-in. standard wrought iron pipe, T & C;
- (3) 7400 ft. 4-in. black standard wrought iron pipe, T & C;

Certified check or cashier's check, 10%. D. B. Wynne, city clerk. Austin Burt, City Service Manager.

SAN FRANCISCO—Bureau of Engineering, Department of Public Works, 3rd Floor, City Hall, is preparing specifications for a pipe line to be an integral part of the Hetch Hetchy Water Project, to commence at the bottom of the Thomas Shaft in the Coast Division of the Hetch Hetchy Aqueduct tunnel and to continue over and along the Corral Hollow Route and to connect with the West Portal of the aqueduct tunnel at Alameda Creek, including the installation of pumping equipment. Will have a daily

capacity of 4,000,000 gallons. The cost is estimated at \$1,132,000. M. M. O'Shaughnessy is city engineer.

OAKLAND, Cal.—Until August 12, 8 P. M., bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, 512 16th St., to furnish requirements of Aluminum Sulphate for the period Sept. 1, 1931 to Aug. 31, 1932, under Proposal No. 329. Specifications obtainable from the above.

VALLEJO, Solano Co., Calif.—City council plans to provide a \$3,000 appropriation in the 1931-32 budget to finance a tower and additional valves for the Wild Horse Valley Dam, in accordance with recommendations of the state authorities. T. D. Kilkenny is city engineer.

SAN FRANCISCO.—M. Greenberg's Sons, 765 Folsom St., at \$79.47 each awarded contract by City Purchasing Agent Leonard S. Leavy, under Proposal No. 737, to furnish and deliver within 60 days, 200 fire hydrants with 5-inch gate valves complete and at \$32.47 each, for 50 hydrant bodies completely assembled.

SAN FRANCISCO.—Following firms awarded contracts by Leonard S. Leavy, city purchasing agent, under Quotation No. 1328, to furnish pipe and fittings as may be required during the three month term commencing July 1 and ending Sept. 30, 1931: Olsen & Hetterman; C. G. Clausen & Co. Steam and Plumbing Service Corp.; P. E. O'Hair & Co.; Richmond Sanitary Co.; Dunham, Carrigan and Hayden Co.; Dalziel, Moller Co.; Tay-Holbrook, Inc.; Great Western Supply Company.

VALLEJO, Solano Co., Cal.—Until August 3, bids will be received by Alf. E. Edgcombe, city clerk, to furnish and install 20-inch and 24-inch water mains in the Sonoma street cut-off into Vallejo to Alabama St. Project involves in the main:

- 6,832 ft. 24-in. pipe;
- 1,820 ft. 20-in. pipe;
- 13 reinf. conc. valve boxes;

Other miscellaneous items. Specifications obtainable from T. D. Kilkenny, city engineer.

LIVINGSTON, Merced Co., Cal.—A. A. Harrington, Livingston, at \$780.89 awarded contract to furnish and install galvanized iron pipe and fittings for Winton Cemetery District. John Groom, Livingston, at \$1,573.50 awarded contract to erect utility building for the district.

ALAMEDA, Alameda Co., Cal.—See "Government Work and Supplies," this issue. Bids to be asked by U. S. Bureau of Public Roads, foot of Denison Street, Oakland, for improvements in connection with Government Island.

SANTA CRUZ, Santa Cruz Co., Cal.—City rejects bids and new bids will be asked for drilling one or more wells and installing pumping equipment in connection with municipal water system. Rejected bids follow:

S. C. Marcus, Watsonville, capacity of 3,000,000 gals., \$12,000; 6,000,000 gals. \$22,500.

Roscoe-Moss Co. Los Angeles, \$18,000 and \$30,000.

The wells are to be 16-in. and include the necessary casing. The pumps are to be standard make and direct-connected to 2200-volt motor.

R. S. Tait is superintendent of the water department.

MODESTO, Stanislaus Co., Calif.—City council contemplates bond issue

for \$10,000 to finance drilling additional well and purchase of storage tank in connection with municipal water system. Frank J. Rossi, city engineer.

SACRAMENTO, Cal.—International Filter Co., Monadnock Building, San Francisco, at \$6.25 cu. yd. awarded contract by city council to furnish 210 cubic yards of filter sand for use at Municipal Filtration Plant. Del Monte Properties only other bidder at \$14.24 per cu. yd.

OAKLAND, Cal.—Atlas Equipment Co. 507 Chestnut St., Oakland, at \$1,458 awarded contract by East Bay Municipal Utility District to construct and furnish f.o.b. 22nd and Adeline Sts., Oakland, three pumping units for the Castro Valley Booster:

- (1) 2 pumps, 225-gal. capacity, 330-ft. head at \$1079.
- (2) 1 pump, 125-gal. capacity, 310-ft. head, \$379.

OAKLAND, Calif.—Berkeley Steel Const. Co., 2nd and Carmela Streets, Berkeley, at \$3,398 awarded contract by East Bay Municipal Utility District to furnish and erect one 222,000-gallon steel water storage tank.

Steel Tank & Pipe Co., 1100 4th St., Berkeley, at \$1,660 awarded contract to furnish and erect one 60,000-gallon steel water storage tank.

STREETS AND HIGHWAYS

FRESNO, Fresno Co., Calif.—Valley Paving & Const. Co., Bank of America Bldg., Fresno, at \$3,100 submitted low bid to city council for grading and paving E Tulare Street between Sixth and N Ninth Streets. County supervisors will pay portion of cost.

MENLO PARK, San Mateo Co., Cal.—Until August 11, 8 P. M., bids will be received by E. J. Crane, city clerk, (two tems), (31-6) to improve Arbor Rd. and other streets involving:

- (1) 352,000 sq. ft. grading;
 - (2) 192,073 sq. ft. 2-in. emulsified asphalt wearing surface and 4-inch waterbound rock base;
 - (3) 42,926 sq. ft. sidewalk;
 - (4) 42 driveway entrances;
 - (5) 2130 sq. ft. valley gutter;
 - (6) 9744 lin. ft. curb and gutter;
 - (7) 758 ft. 4-in. vitrified sewer;
 - (8) 51 water services, 3/4- to 1 1/2-in.
- Est. cost, \$50,000. 1911 Act. Bond Act 1915. Specifications on file in office of clerk and obtainable from Bert J. Meh, city engineer.

REDDING, Shasta Co., Cal.—County Surveyor C. F. Weigel is preparing plans for 1 1/4 miles of the Shingle-town-Viola road. All rights of way have been obtained.

BERKELEY, Alameda Co., Calif.—Harry Goodridge, city engineer, is completing plans for construction of concrete curbs in southeast section of the city to replace wooden curbs. The cost is estimated at \$75,000.

PACIFIC GROVE, Monterey Co., Cal.—City council has started proceedings to improve Eardley Ave. bet. Lighthouse and Gibson Avenues; Spruce Ave. bet. east city limits and Eardley Ave.; Pine Ave. bet. east city limits and 19th St.; Laurel Ave. bet. east city limits and 6th St.; Acacia Ave. bet. Eardley Ave. and 1st St.; First St. bet. Lighthouse and Pine Aves.; Second St. bet. Lighthouse and Spruce Aves.; 3rd, 4th, 5th and 6th Sts. bet. Lighthouse and Pine Aves., involving cem. conc. curbs and gutters; 2-inch asphalt concrete pavement on existing macadam rdwy. on portions with 3-in. rock base with 2-in. asph. conc. surface; sewer laterals; storm drains,

etc. Work under 1911 Act. Elgin C. Hurlbert, city clerk.

PACIFIC GROVE, Monterey Co., Cal.—City council has started proceedings to improve Bennett St. bet. Jewel and Oak St.; Oak St. bet. Bennett and Municipal Ave.; Municipal Ave. bet. Oak and Sinex Ave.; 17-Mile Drive bet. Sinex Ave. and south city limits; Sinex Ave. bet. Walnut St. and Asilomar Ave. and Walnut St. bet. Gibson and Sinex Aves., involving 2-inch asph. conc. pavement on existing macadam rdwy.; storm drains, etc. Work under 1911 Act. Elgin C. Hurlbert, city clerk.

EL DORADO COUNTY, Cal.—C. E. Reed, Tracy, at \$12,745 submitted low bid July 29 to State Highway Commission to surface with bituminous treated crushed rock, 3.2 miles between 14 Mile Stone and Fresh Pond. Complete list of bids follow:

C. E. Reed, Tracy.....	\$12,745
Chas. Chittenden, Napa.....	14,366
Harnes Bros., Galis.....	14,340
A. Teichert & Son, Sacramento.....	14,420
Tiffany, McKeynolds & Tiffany, San Jose.....	18,182
F. W. Nighberg, Bakersfield.....	13,327

SAN DIEGO COUNTY, Cal.—Walter Trette, San Diego, at \$106,704 submitted low bid July 29 to State Highway Commission to grade and pave with Portland cement concrete, 1.1 miles at Jucamba. Complete list of bids follow:

Walter Trette, San Diego.....	\$106,704
Gist & Bell, Arcadia.....	109,551
E. P. Ford, East San Diego.....	112,404
Geo. Herz & Son, San Diego.....	114,034
Matthich Bros., Elsinore.....	117,719
B. J. Carroll, San Diego.....	123,024
Frank Goran, San Diego.....	123,646

ALAMEDA COUNTY, Cal.—Until August 7, 2 P. M., bids will be received by Jno. H. Skeggs, district engineer, State Highway Commission, to improve 8.4 miles between the easterly boundary and Greenville, involving existing asphaltic concrete surface to be planed.

VALLEJO, Solano Co., Cal.—Until August 10, 11 A. M., bids will be received by Alf. E. Edgumbe, city clerk, (774) to improve Arkansas St. bet. Sutter and Madara Sts., involving 6-in. and 10-in. vitrified main sewers 6- by 4-in. wye branches. Imp. Act 1911. Bond Act 1915. Certified check 10% payable to city required with bid. Plans obtainable from T. D. Kilkenney, city engineer.

LOS ANGELES COUNTY, Cal.—Morrison & Knudsen, Boise, Idaho, and MacDonald & Kahn, Financial Center Bldg., San Francisco, at \$459,722 awarded contract by State Highway Commission to grade 12.5 miles in Los Angeles County between Piru Creek and Gorman. Complete list of the unit and total bids received on this project published in issue of July 23.

MARYSVILLE, Yuba Co., Cal.—Independent Construction Co. (F. M. Shalla), Marysville, awarded contract by city council to improve portions of 13th St., Ramirez St., etc., involving grading and conc. curb, \$3.51 lin. ft.; grading and conc. gutter, \$3.33 sq. ft.; 6-in. conc. sewer, \$1.30 lin. ft.; grading and r. w. box culvert, \$1.20 lin. ft.; gutter drain, \$14 each.

SAN JOSE, Santa Clara Co., Cal.—City Planning Commission has submitted preliminary data to the city council for the proposed widening of San Carlos street and Park avenue, estimated to cost \$569,525. The proposed widenings are recommended in the major street plan.

The first project calls for the widening of San Carlos street from Race street to East Market street from a 60-foot street with 40-foot roadway to a 94-foot street with a 72-foot roadway.

The second project provides for widening of Park avenue from Meridian road to Market street from a 60-foot street with a 40-foot roadway to an 80-foot street with a 54-foot roadway. Wm. Popp is city engineer.

SUNNYVALE, Santa Clara Co., Cal.—City council declares intention (235) to improve portions of America, Taylor, Lastreto, Lawrence, Roosevelt, Morse, California Avenues and others, involving grading cement concrete curbs sidewalks and driveways. Imp. Act 1911. Bond Act 1915. Hearing August 12. Ida Trubschenck, city clerk.

SACRAMENTO, Cal.—Until August 5, 3 P. M., under Order No. 3573-1848, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish f.o.b. Rio Vista, Solano County, 350 cu. yds. crushed rock of hard and durable nature, having clean, sharp crush and varying in size from 1/4-in. to 3/4-in. The proportion of stones less than 3/4-in. shall not be greater than 1/2 of the total amount furnished. This stone is to be used for highway surfacing and shall be hard rock which will not disintegrate on exposure to the action of water or the atmosphere.

SAN JOSE, Santa Clara Co., Calif.—A. J. Raisch, 46 Kearny St., San Francisco, at \$3,490 awarded contract by county supervisors to improve Fifth Street in Supervisor District No. 1. Only other bids submitted by Union Paving Co., San Francisco, at \$4,467.

RENO, Nev.—Until August 5, 2 P. M., bids will be received by E. H. Beemer, county clerk, to furnish materials to improve portions of county roads, as follows: From Reno-Carson Highway to Boeing Airport, Plumas through Moana Lane to connect with Carson Highway, Arlington St. south to the Municipal Airport, connecting with Moana Lane, and the Mountain View Cemetery Road, involving: (1) furnishing selected material surface in place; (2) furnishing cutback asphalt. Spec. obtainable from clerk.

July 28, 1931

ELKO COUNTY, Cal.—Until Aug. 5, 2 P. M., bids will be received by the State Highway Commission, Carson City, to furnish, heat and apply asphaltic fuel oil and mix it with a crushed rock or crushed gravel surface on 16.86 miles bet. 4 miles east of Silver Zone and Wendover, Rt. 4, Section G-1, involving:

- (1) 395,601 gals. asph. fuel oil applied to roadway surface;
- (2) 16.86 miles mixing asphaltic fuel oil with crushed rock or crushed gravel surface;
- (3) 16.86 miles rebuilding and finishing shoulders.

NOTE: The oil shall be delivered at the following railway sidings and in the quantities shown:

Proctor Siding, 202,494 gals.
Wendover Siding, 1193,107 gals.

Average haul on entire contract, 5.01 miles. Certified check, 5%. S. C. Durkee, State Highway Engineer.

No new highway or bridge projects will be advertised for by the State Highway Commission until after Aug. 14 in order that all contracts awarded after that day may contain provisions relating to prevailing wage scale and alien labor, in accordance with laws passed at the recent session of the legislature and which go into effect Aug. 14. The attorney general recently stated that all contracts ad-

advertised prior to August 14 must be awarded before that date or they would have to conform to the new law. The estimated amount of projects to be awarded after that date and before Dec. 31 is \$9,000,000.

EUREKA COUNTY, Cal.—J. N. Tedford, Fallon, Nev., at \$60,065.52 awarded contract by State Highway Commission to reconstruct a portion of the state highway system located in Eureka County, between 14 miles west of Hay Ranch and Hay Ranch, Route 2, Section A-2, a length of 13.83 miles, involving: 41,500 cu. yds. roadway excav.; 1400 cu. yds. struc. excav.; 52,776 yd. sta. overhaul; 6.21 miles prepare subgrade and shoulders; 7.62 mi. prepare shoulders; 45,800 cubic yards crushed rock or crushed gravel surface in place; 2372 M. gals. applying water; 9 cu. yds. class A concrete; 9 cu. yds. class B concrete; 274 lin. ft. 24-in. corr. metal pipe in place; 98 lin. ft. remove and reset corrugated metal pipe; 139 corr. metal pipe culvert extensions. Complete list of bids follows:

J. N. Tedford.....	\$60,065
Utah Const. Co.....	60,299
Dodge Bros.....	71,789
Engineer's estimate	70,312

OAKLAND, Cal.—Hutchinson Co., 1450 Harrison St., Oakland, at \$2874 awarded contract by city council to improve portions of Guido St., Norton Ave. and certain conduit rights-of-way adjacent to Guido St. Bid follows: 15,208 sq. ft. grading, \$.03; 599 lin. ft. concrete curb, \$.70; 1199 sq. ft. concrete gutter, \$.25; 7918 sq. ft. of penetration macadam pavement, \$.12; 215 lin. ft. 2-4 x 6 in. by 2-ft. x 6-in. concrete culvert, \$1.81. 1 manhole with inlet top, \$1.00, 1 manhole with standard top, \$1.00, 84 lin. ft. 12-in. plain concrete pipe conduit, \$1.25. 92 lin. ft. 21-in. reinf. concrete pipe conduit, \$2.73. 2 storm water inlets (34-in. opening), \$1.00.

SAN MATEO, San Mateo Co., Cal.—City council declares intention (31-7) to improve E 28th, 3rd, 6th and 2nd Avenues, involving:

- (1) 41,000 sq. ft. grading;
- (2) 10,200 sq. ft. concrete sidewalk;
- (3) 1471 lin. ft. 12-in. curb and 24-in. gutter;
- (4) 1215 lin. ft. 16-in. curb and 3-ft. 3-in. gutter;
- (5) 1653 lin. ft. 16-in. curb and 4-ft. gutter;
- (6) 10 lin. ft. 16-in. reinf. curb and 3-ft. 3-in. reinf. gutter;
- (7) 141 lin. ft. 16-in. reinf. curb and 4-ft. gutter;
- (8) 2 cu. yds. reinf. columns and beams;
- (9) 25,560 sq. ft. 6-in. asphalt paving;
- (10) 800 tons asphalt concrete;
- (11) 615 ft. 4-in. vitrified sewers;
- (12) 940 ft. 21-in. concrete sewer;
- (13) 372 ft. 21-in. concrete sewer;
- (14) 401 ft. 15-in. concrete sewer;
- (15) 101 ft. 12-in. concrete sewer;
- (16) 4 manholes;
- (17) 16 catchbasins;
- (18) 54 electroliners;
- (19) 6200 ft. conduit;
- (20) 7000 ft. cable, No. 20;
- (21) 1 move hydrants and install gate valves;
- (22) 5450 sq. ft. removal of existing paving and construction of 6-in. concrete base.

Estimated cost, \$50,000. Bond Act 1915. Imp. Act 1911. Hearing July 30. E. W. Foster, city clerk. E. R. Wilsey, city manager.

SAN FRANCISCO—E. J. Treacy, Cal Bldg., at \$11,359 awarded contract by Board of Public Works to improve Montana St. bet. Faxon and Orizaba

Aves. Project involves: 2800 cu. yds. excavation, \$.75; 550 cu. yds. embankment, \$.01; 1347 lin. ft. armored concrete curb, \$1; 10,500 sq. ft. 1-course concrete sidewalks, \$.15; three brick catchbasins, \$90; 70 lin. ft. 10-in. V. C. P. culverts, \$1; 690 lin. ft. 6-in. V. C. P. side sewer, \$1; 21,208 sq. ft. asphalt concrete pavement, consisting of 2-in. asphalt concrete surface on 6-in. class F concrete base, \$.25.

Complete list of unit bids received on this project published in issue of July 16.

SAN MATEO, San Mateo Co., Cal.—City council declares intention (31-8) to improve 28th Ave. (formerly Date Ave.) between El Camino Real and southwesterly city limits of San Mateo, involving 4600 lin. ft. of 20-ft. and 15-ft. resurfacing with 1 1/2-in. rock and bituminous wearing surface. Imp. Act 1911. Bond Act 1915. Hearing July 30. E. W. Foster, city clerk. E. P. Wilsey, city manager.

OAKLAND, Cal.—Y. C. Soda, 1139 65th St., Oakland, at \$846.08 awarded contract by city council to improve Madrone Path and a portion of Masterson St. adjacent to Madrone Path, 210 cubic yards fill, \$.75. 1234 sq. ft. sidewalk, \$.50. 228 ft. 15-in. reinf. pipe conduit, \$1.75.

OAKLAND, Cal.—Hutchinson Co., 1450 Harrison St., Oakland, at \$902 awarded contract by city council to construct concrete culvert in Norton Ave. southwest of Guido St. Project involves:

- 2 ft. 6 in. by 2 ft. 6 in. concrete culvert, \$3.00.
- Manhole, 21-in. opening, \$.50.
- Concrete inlet with c. i. top, 21-inch, \$.50.
- Concrete end wall, \$43.

OAKLAND, Calif.—Hutchinson Co., 1450 Harrison St., Oakland, at \$5,502.63 awarded contract by city council to improve Mountain View Avenue bet. Mountain Blvd. and Leona St., involving grading, \$.02; concrete curb, \$.45; concrete gutter, \$.25; penetration macadam pave., \$1.15; storm water inlet, \$.50; reinforced concrete pipe conduit, 12-in., \$1.54; handholes, \$18 each; corrugated concrete culvert, \$3.50.

BERKELEY, Alameda Co., Calif.—Oakland Paving Co., 5000 Broadway, Oakland, at \$21,174.68 awarded contract by Regents of the University of California, Berkeley, for widening Fulton Street and Bancroft Way on the Campus. Work involves grading, paving and sidewalks.

TULARE COUNTY, Cal.—E. J. Jamieson, fence contractor, Box 853, Sacramento, will give sub-bids on fencing to contractors figuring the grading and paving with cement concrete of 7.6 miles between Tipton Crossing

and Tulare, bids for which will be opened by the State Highway Commission on August 5.

MENLO PARK, San Mateo Co., Cal. City council declares intention (31-6) to improve Arbor Rd. and other streets involving:

- (1) 352,000 sq. ft. grading;
 - (2) 192,073 sq. ft. 2-in. emulsified asphalt wearing surface and 4-inch waterbound rock base;
 - (3) 42,926 sq. ft. sidewalk;
 - (4) 42 driveway entrances;
 - (5) 2130 sq. ft. valley gutter;
 - (6) 9744 lin. ft. curb and gutter;
 - (7) 758 ft. 4-in. vitrified sewer;
 - (8) 41 water services, 1/2 in. to 12-in.
- Est. cost \$50,000. 1911 Act. Bond Act 1915. Hearing July 28. E. J. Crane city clerk (pro tem). Bert J. Mehl, city engineer.

OAKLAND, Cal.—City Manager Ossian E. Carr, in a budget submitted to the city council seeks \$236,191 in public improvements, to finance the following work:

- Completion of paving of E 8th and 10th Sts., Fallon to 3rd Ave., \$12,300.
- Seventh St. grade separation \$10,000.
- Grand Ave. opening through Key Route Inn, city's share, \$20,000.
- Twelfth St. reconstruction, Fallon to Lakeshore, \$12,500.
- Russet St. paving, 85th to Jones Ave., \$49,750.
- Seventy-third Ave., paving, \$12,300.
- Park Blvd. widening, Hollywood Ave. to Moraga Road, \$50,000.
- Belt Line highway, part, \$7,500.
- Lighting districts, \$12,423.
- Traffic buttons and signals, \$8,600.

ALAMEDA, Alameda Co., Cal.—See "Government Work and Supplies," this issue. Bids to be asked by U. S. Bureau of Public Roads, foot of Denison Street, Oakland, for improvements in connection with Government Island.

SAN JOSE, Santa Clara Co., Cal.—P and H Const. Co., Fifth and Keyes Sts., San Jose, awarded contract by city council to improve 19th Street bet. Mission St. and a point 814 feet north, involving construction of a vitrified sewer with wye branches, brick manholes, house laterals.

NEVADA COUNTY, Cal.—Hemstreet & Bell, Marysville, at \$90,762 awarded contract by State Highway Commission for grading and surfacing with untreated crushed gravel or stone, 2.9 miles between the westerly boundary and Toll House.

OAKLAND, Cal.—Heafey-Moore, 344 High St., Oakland, awarded contract by city council to improve portions of Hopkins Place southeast of Coolidge Ave. and a portion of Hopkins Street adjacent thereto, involving grading, \$.04 sq. ft.; concrete pavement, \$.22 sq. ft.

DO NOT RISK AN EXPERIMENT

SPECIFY -- USE

Timpie Hydrated Lime

STRONG—PURE—PLASTIC

Ten Years of Uniformly Satisfactory Experience in High

Class Pacific Coast Construction

FOR BRICK MORTAR, WHITE COAT AND SAND FLOAT FINISH

Sold by Representative Dealers Everywhere

VENTURA, Ventura Co., Cal.—Until 10 A. M., August 18, bids will be received by county supervisors for the purchase of supplies as follows:

(1) 10,000 barrels road oil;

(2) 5000 tons asphaltum;

(3) 10,000 bbls. emulsified asphaltum
The quantities may be increased or decreased at the option of the Board of Supervisors. Specifications may be obtained from Chas. W. Pettit, county surveyor. Certified check or bid bond, \$1000. L. E. Hollowell, county clerk.

VENTURA, Ventura Co., Cal.—Until 10 A. M., August 18, bids will be received by county supervisors for the purchase of supplies as follows:

(1) 10,000 tons crushed rock;

(2) 10,000 tons gravel;

(3) 10,000 tons sand.

The quantities may be increased or decreased at the option of the Board of Supervisors. Specifications may be obtained from Chas. W. Pettit, county surveyor. Certified check or bid bond, \$1000. L. E. Hollowell, county clerk.

BERKELEY, Alameda Co., Calif.—Until August 4, 10 A. M., bids will be received by Florence E. Turner, city clerk, to reconstruct pavement at SE corner of McGee Ave. and Hopkins St. Certified check 10% payable to city required with bid. Plans obtainable from Harry Goodridge, city engineer, on deposit of \$10, returnable.

HUMBOLDT COUNTY, Cal.—Delose C. Kemp, Crescent City, at approximately \$10,000 submitted low bid to F. W. Hazelwood, district engineer, State Highway Commission, Eureka, to surface with untreated crushed gravel or stone, 1.4 miles between Red Crest and Holmes Road. Other bids: Smith Bros., Eureka, \$10,811; J. W. Bertram, Hopland, \$10,857. Bids referred to Sacramento headquarters for action.

SANTA CLARA COUNTY, Cal.—Union Paving Co., Call Bldg., San Francisco, at \$62,426 awarded contract by State Highway Commission to grade and pave with cement concrete and asphalt concrete, 1.4 miles between Coyote Creek and San Jose. Complete list of unit and total bids received on this project published in issue of July 22.

EL DORADO COUNTY, Cal.—Force Construction Co., Piedmont, at \$37,051 awarded contract by State Highway Commission to surface 5.2 miles with bituminous treated crushed surfacing material between Mays and Nevada State Line and between Bay View Rest and one mile north of Eagle Falls for bituminous treated surfacing on 1.8 mile. Complete list of unit bids on this project published in issue of July 21.

SAN RAFAEL, Marin Co., Calif.—Residents of Bolinas, Stinson and Muir Beaches have petitioned county supervisors to pave the roadway from Dolan's, near Mill Valley, to Stinson Beach. They ask a 30 cent tax be provided to raise \$40,000 to finance the work. Referred to Rodney Messner, county surveyor, for report.

EL DORADO COUNTY, Calif.—Tiffany, McReynolds and Tiffany, 321 S First St., San Jose, at \$33,732.50 awarded contract by State Highway Commission to surface 8.6 miles with bituminous treated crushed gravel or stone (road mix), between Riverton and Kyburz. Complete list of unit and total bids on this project published in issue of July 22.

MARIPOSA COUNTY, Calif.—Fredrickson and Watson and Fredrickson Bros., 354 Hobart St., Oakland, at \$91,311.85 awarded contract by the State

Highway Commission to grade 7.4 miles between Orange Hill School and Pain Flat. Complete list of unit and total bids received on this project published in issue of July 16.

SACRAMENTO, Cal.—International Filter Co., Monadnock Building, San Francisco, at \$6.25 cu. yd. awarded contract by city council to furnish 210 cubic yards of filter sand for use at Municipal Filtration Plant. Del Monte Properties only other bidder at \$14.24 per cu. yd.

BUSINESS OPPORTUNITIES

Names and addresses of persons or firms concerned in the following opportunities will be furnished on request to Business Opportunity Department, Daily Pacific Builder, 547 Mission St., San Francisco, or Phone GARfield 5744, requesting the information by index Number noted at opening of each opportunity:

21245—Building Materials, Etc. Brussels, Belgium. A member of the American Belgian Chamber of Commerce in Belgium is desirous of establishing on this market an agent for the sale of building materials, metallurgical products, chalk, etc.

21251—Microscopes, Diesel Engines. San Francisco. Bids wanted by foreign government on installation of (1) four diesel engines, (2) microscopes and accessories. Conditions of tender and specifications available in San Francisco.

21253—Soda Fountain Equipment. Shanghai, China. Firm asks to be put in touch with exporters of used candy and soda fountain equipment.

21261—Irrigation Equipment. Navojoa, Mexico. Party asks for pamphlets illustrating machinery for moving flood gates, locks, etc., in different sizes.

B. N. Gamle, Heat-Hold Sales Co., 1823 Third Ave., Los Angeles, Calif., manufacturers of heat saving device, wish to appoint reliable jobber for this territory. Folders, etc., on file in San Francisco.

R. G. McCamy, Cabin Crafts, Dalton, Georgia, wishes to make selling connection with local firm for the sale of their tufted bedspreads, bath mats and hand hooked mats and runners.

R. Zinnen, Silverleaf Microphone Co., 2658 Pasadena Ave., Los Angeles, Cal., manufacturers of transmitting and receiving equipment wish to secure representative for Northern California.

S. W. Van Dyne, Jr., Arabian Treatment Co., 421 West Main St., Sedalia, Miss., manufacturers of product that protects automobile finishes wishes distributor.

G. W. Hancock, G. W. Hancock's Sales Co., 512 Pacific Bldg., San Francisco, has facilities to render a sales service on a commission, with trained salesmen in practically all classes of merchandise.

G. D. Kite, The General Manufacturing Co., 4127 Forest Park Bldg., St. Louis, Mo., manufacturers of fire extinguishers wish to secure representative for San Francisco territory.

H. S. Fuller, 2205 Blaglow N., Seattle, Wash., has facilities for manufacturers looking for means of distribution of their products.

FEDERAL TRADE BODY SILENT ON DECISION

Aside from a formal statement of the dismissal of the complaint against the Gillespie Furniture Company of Los Angeles, in the Philippine mahogany case (noted in Daily Pacific Builder, issue of July 16) the Federal Trade Commission had nothing to say concerning its decision.

Dismissal of the complaint was equivalent to a reversal of the original ruling of the commission that certain hardwoods in the Philippines could not be called Philippine mahogany.

Following is the commission's order filed in the complaint against the Gillespie Company, charging it with violating the original ruling made several years ago:

"The above-entitled proceeding, coming on for consideration on the complaint of the commission, answer of respondents, testimony, evidence, briefs, and oral arguments, and the commission now being fully advised in the premises, it is hereby ordered that the complaint herein be and the same is hereby dismissed. Chairman Hunt dissented to the action of the commission in dismissing the complaint. Commissioner McCulloch also dissented and filed memorandum of dissent."

After observing the functioning of the Bacon-Davis prevailing-wage law, government contracting officers have indicated that they are not entirely satisfied with results and it is probable that an amendment to make the law more workable will be sought during the next session of Congress, says Paul Wootton, Washington correspondent of Engineering News-Record.

The feeling exists among department officials that much uncertainty and delay would be prevented if the rates that the contractors are required to pay for their labor could be ascertained beforehand and published in the specification for the work.

Both declining material prices and increased competition among contractors have tended to result in lower bids. While it is agreed that bids would be still lower were it not for the Bacon-Davis law, the effect cannot be determined with exactitude. It is significant that no disputes have been referred to the secretary of labor. Such disputes as there have been apparently have been compromised.

CONTRACTORS' MACHINE WORKS

SPECIALISTS ON REPAIRING AND REBUILDING OF

Bunkers, Hoppers, Chuting, Conveyors, Rollers, Mixers, Hoists, Shovels, Tractors, Pavers, Crushers, Drag Lines, Elevators, Car Unloaders, and other Road and Building Equipments;

BLACKSMITHING AND WELDING

Builders of Rosenberg Portable Car Unloaders

CREAR & BATES

57 Zoe St., bet. 3rd and 4th, off Brannan St.
Phone GARfield 4374

San Francisco

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
1080	Toscanini	Doelger	4200
1081	Toscanini	Doelger	4600
1081	Toscanini	Doelger	4600
1083	Bernhardt	Owner	4000
1084	Gray	Blincoe	3000
1085	Doelger	Owner	4000
1086	Janssen	Owner	4000
1087	Webster	Owner	1500
1088	Nelson	Owner	5000
1089	Constine	Liebman	1200
1090	California	Coburn	4000
1091	Costello	Owner	3150
1092	Greene	Old	1500
1093	Peterson	Owner	12750
1094	Ebert	Mooney	1000
1095	Bank America	Owner	1000
1096	Galli	Owner	16000
1097	Heglin	Owner	3500
1098	Rasmussen	Owner	31000
1099	Galland	Cahill	45000
1100	Israel	Mullen	2500
1101	Bjorkman	Owner	7000
1102	Downing	Coburn	1200
1103	Brisolese	Owner	3000
1104	Barnam	Owner	1000
1105	Cohn	Jenkins	1000
1106	Castle	Owner	4000
1107	Dikas	Erickson	4250
1108	Swanson	Owner	5000
1109	Coles	Owner	4000
1110	Selzer	Owner	3300
1111	Husted	Elkington	5500
1112	Samuelson	Owner	3500
1113	McCabe	Owner	5500
1114	Cimino	Todhunter	2000
1115	Doelger	Owner	4000
1116	Strehlow	Jenkins	1000
1117	Castle	Owner	3000
1118	Hardiman	Owner	4000
1119	Johnsen	Owner	4000
1120	Morando	Rosen	4250
1121	Klussmann	Coburn	3200
1122	Mackow	Heglin	4200
1123	Miller	Owner	3500

DWELLING
(1080) W 32nd AVE. 175 N Balboa;
one - story and basement frame
dwelling.

Owner—A. Toscanini, 560 8th Ave.
Plans by B. K. Dobkowitz, 425 Mont-
erey Blvd.
Contractor—H. Doelger, 300 Judah St.
\$4200

DWELLING
(1081) W 32nd AVE. 200 N Balboa;
one - story and basement frame
dwelling.

Owner—A. Toscanini, 560 8th Ave.
Plans by B. K. Dobkowitz, 425 Mont-
erey Blvd.
Contractor—H. Doelger, 300 Judah St.
\$4600

DWELLING
(1082) SW COR. 37th AVE. and Ca-
brillo; 2-story and basement frame
dwelling.
Owner—E. A. Janssen, 811 Hearst
Building.
Architect—Not Given. \$5000

DWELLING
(1083) E 19th AVE. 275 S Taraval; 1-
story and basement frame dwell-
ing.
Owner—A. Bernhardt, 2406 22nd Ave.
Plans by Owner. \$4000

DWELLING
(1084) E 45th AVE. 250 N Lawton; 1-
story and basement frame dwell-
ing.

Owner—Mrs. M. F. Gray, 155 Paloma
Avenue.
Plans by Contractor.
Contractor—C. O. Blincoe, 2663 15th
Avenue. \$3000

DWELLING
(1085) W 24th AVE. 225 N Santiago;
one - story and basement frame
dwelling.
Owner—H. Doelger, 300 Judah St.
Plans by B. K. Dobkowitz, 425 Mont-
erey Blvd. \$4000

DWELLING
(1086) N LOMBARD 112 E Baker St.;
one - story and basement frame
dwelling.

Owner—E. A. Janssen, 811 Hearst
Building.
Architect—Not Given. \$4000

ALTERATIONS
(1087) 663 BUSH ST.; alterations to
store.
Owner—G. Webster, 663 Bush St.
Architect—H. A. Minton, 625 Market
Street. \$1500

ALTERATIONS
(1088) W 19th AVE. 460 S Sloat Blvd.;
alterations to dwelling.
Owner—F. Nelson & Sons, 19th and
Sloat Blvd.
Architect—Not Given. \$5000

ALTERATIONS
(1089) 3344 LAGUNA ST.; alterations
for social hall and enclose porch.
Owner—Dr. L. E. Constantine.
Architect—F. W. Quandt.
Contractor—B. Liebman, 1555 Fran-
cisco St. \$1200

REPAIRS
(1090) SE FIFTEENTH and Utah;
repair fire damage.
Owner—California School of Mechan-
ical Arts, % 2048 Market St.
Architect—Not Given.
Contractor—L. W. Coburn, 2048 Mar-
ket St. \$4000

DWELLINGS
(1091) W 37th AVE. 158 S Anza St.;
three 1-story and basement frame
dwellings.
Owner—M. Costello, 821 34th Ave.
Plans by Owner. each \$3150

ALTERATIONS
(1092) 5217 GEARY ST.; alterations
for oven in bakery.

Owner—A. F. Ma Greene, 601 Buena
Vista Ave.
Architect—Not Given.
Contractor—J. Old, 1652 21st Ave.
\$1600

DWELLINGS
(1093) W 34th AVE. bet. Wawona &
Vicente; three 1-story and base-
ment frame dwellings.
Owner—E. Peterson, 2228 15th St.
Plans by Owner. each \$4250

ALTERATIONS
(1094) 118 DIAMOND ST.; alterations
to dwelling, enlarge, stucco front,
etc.
Owner—H. Ebert, 118 Diamond St.
Architect—Not Given.
Contractor—W. J. Mooney, 68 Belcher
Street. \$1000

ALTERATIONS
(1095) CALIFORNIA and Montgom-
ery Sts.; alterations to store.
Owner—Bank of America, 625 Market
Street.
Architect—H. A. Minton, 625 Market
Street. \$1000

DWELLINGS
(1096) E EIGHTH AVE. 100 North
Noriega; four 1-story and base-
ment frame dwellings.
Owner—R. F. Galli, 1574 28th Ave.
Plans by Owner. each \$4000

DWELLING
(1097) W 22nd AVE. 225 S Moraga;
one - story and basement frame
dwelling.
Owner—B. Heglin, 1245 24th Ave.
Plans by Owner. \$3500

APARTMENTS
(1098) NE COR. BEACH and Web-
ster Sts.; three-story and base-
ment frame (12) apts.
Owner—V. Rasmussen, NE Beach and
Fillmore Sts.
Architect—R. R. Irvine, 747 Call Bldg.
Est. cost, \$31,000

ADDITION & ALTERATIONS
(1099) E EIGHTH ST. 86 S Folsom;
two-story class B addition and al-
terations to laundry.
Owner—Galland Mercantile Laundry,
301 8th St.
Architect—Hyman & Appleton, 68 Post
Street.
Contractor—Cahill Bros., 206 Sansome
Street. \$45,000

ALTERATIONS
(1100) 461 POST ST.; alterations to
store.
Owners—Mr. and Mrs. A. Israel, 461
Post Street.
Plans by Contractor.
Contractor—Mullen Mfg. Co. 49 Rausch
St. \$2800

DWELLINGS
(1101) NE UNDERWOOD 50 SE Keith
two 1-story and basement frame
dwellings.
Owner—V. Bjorkman, 3573 Mission St.
Architect—Not Given. each \$3500

REPAIRS
(1102) 1459 EDDY ST.; repairs to bldg.
Owner—Mr. Downing, % contractor.
Architect—Not Given.
Contractor—L. W. Coburn, 2408 Market
Street. \$1200

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - California

DWELLING

(1100) S OCEAN AVE E of Harold Ave., 1-story and basement frame dwelling.

Owner—S. E. Brisdese, 4500 Mission Street.

Architect—W. H. Armitage, 72 New Montgomery St. \$3000

REPAIRS

(1104) 943 STANYAN ST.; repair fire damage.

Owner—H. Eberhard, 943 Stanyan St. Architect—Not Given. \$1000

ALTERATIONS

(1105) 125 SICKLES AVE.; alterations to move dwelling on new foundation.

Owner—H. Cohn, 125 Sickles Ave. Architect—Not Given.

Contractor—A. J. Jenkins, 3433 Market Street. \$1000

DWELLING

(1106) E PINEHURST 150 N Kenwood; 1-story and basement frame dwelling.

Owner—Castle Bldg. Co., 830 Market Street.

Plans by D. E. Jaekle, 744 Call Bldg. \$4000

DWELLING

(1107) NE PARIS 175 SE Excelsior; one-story and basement frame dwelling.

Owner—J. Dikas, % 972 Chenery St. Architect—Not Given.

Contractor—H. Erickson, 972 Chenery. \$4250

DWELLING

(1108) E ROCKWOOD COURT 210 S Rockway Ave.; 1-story and basement frame dwelling.

Owner—O. Swanson, 3539 Market St. Plans by F. Nelson, 810 Ulloa St. \$5000

DWELLING

(1109) S VICENTE 57 E 17th St.; 1-story and basement frame dwelling.

Owner—W. P. Coles, 2395 29th Ave. Plans by Owner. \$4000

(1110) N ULLOA 57 E 23rd Avenue; one-story and basement frame dwelling.

Owner—M. Selzer, 562 Hearst Ave. Plans by Owner. \$3800

DWELLING

(1111) SW 16th AVE. and ULLOA; two-story and basement frame dwelling.

Owner—H. G. Husted, 2015 Lincoln Way.

Architect—C. F. Strothoff, 2274 15th Street.

Contractor—G. J. Elkington & Sons, 330 Vicente. \$5500

DWELLING

(1112) S CAMPBELL 458 E Rutland; one-story and basement frame dwelling.

Owner—A. M. Samuelson, 901 Geneva. Plans by W. R. Weisheimer, 924 Prague Street. \$3500

DWELLING

(1113) S NORTH POINT 205 E Fillmore; two-story frame dwelling.

Owner—J. McCabe, 716 Ulloa St. Plans by Owner. \$7500

REPAIRS

(1114) NE COR. 18th and Texas St.; repair fire damage.

Owner—B. Cimino. Plans by Contractor.

Contractor—G. C. Todhunter, 10 S S Ashbury St. \$2000

DWELLING

(1115) E URANUS TERRACE 259 S 17th St.; one-story, basement and airplane deck frame dwelling.

Owner—H. Doelger, 300 Judah St. Plans by H. K. Dobkowitz, 425 Mont-erey Blvd. \$4000

ALTERATIONS

(1116) 143 SICKLES AVE.; alterations to move on lot; new foundation.

Owner—C. Strehlow, 143 Sickles Ave. Architect—Not Given.

Contractor—R. J. Jenkins, 3433 Market Street. \$1000

DWELLING

(1117) E ARCH 525 N Garfield; one-story and basement frame dwelling.

Owner—Castle Bldg. Co., 830 Market Street.

Plans by D. E. Jaekle, 744 Call Bldg. \$3000

DWELLING

(1118) W 17th AVE. 200 S Lawton; one-story and basement frame dwelling.

Owner—M. D. Hardiman, 423 38th Ave. Plans by Owner. \$4000

DWELLING

(1119) E HOFFMAN 60 N 25th St.; one-story and basement frame dwelling.

Owner—P. P. Johnsen, 225 Lincoln Way.

Architect—Not Given. \$4000

DWELLING

(1120) NE DEL MONTE AND MT. Vernon; one-story and basement frame dwelling.

Owner—R. Morando. Plans by C. Baker, 155 Montgomery St.

Contractor—M. Rosen, 6 Fountain St. \$4250

ALTERATIONS & REPAIRS

(1121) 2079 MARKET ST.; alterations and repairs to apts.

Owner—H. Klussmann, % 2048 Market. Architect—Not Given.

Contractor—I. W. Coburn, 2048 Market Street. \$3200

DWELLING

(1122) E 28th AVE. 175 S Cabrillo; 1-story and basement frame dwelling.

Owner—Miss H. Maskow, 772 16th Avenue.

Architect—Not Given.

Contractor—B. Heglin, 1245 24th Ave. \$4200

DWELLING

(1123) E 34th AVE. 250 S Judah St.; one-story and basement frame dwelling.

Owner—P. S. Miller, 1370 34th Ave. Plans by Owner. \$3500

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
149	Excelsior	Globe	6638
150	Catholic	Polliia	3814
151	Toscanini	Doelger	4200
152	Toscanini	Doelger	4200
153	Furey	Doelger	3875

ELECTRICAL WORK

(149) E MISSION ST. 162 S Brazil Ave. S 138 E 183-6 N 125 W 100 N 13 W 83-6; electrical work.

Owner—Excelsior Amusement Co., Inc. 4631 Mission St.

Architect—F. H. Meyer, 525 Market Street.

Contractor—Globe Elec. Works, Mission and 15th Sts.

Filed July 25, '31. Dated July 24, '31. 2nd and 16th of each month.....75%

Usual 35 days.....25%

TOTAL COST, \$6638

Bond, \$6638. Sureties, American Bonding Co. of Baltimore. Forfeit \$1 per day. Limit, 65 days. Plans and Spec. filed.

HEATING WORK

(150) S 16th St. bet. Dolores and Church Sts.; heating work.

Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St.

Architect—H. A. Minton, Underwood Bldg.

Contractor—A. A. Polla, 401 14th Ave. Filed July 27, '31. Dated June 7, '31.

1st of each month.....75%

Usual 35 days.....25%

TOTAL COST, \$3814

Bond, \$3,814. Sureties, U. S. Fidelity & Guaranty Co. Limit, Oct. 6, 1931. Plans and Spec. filed.

DWELLING

(151) W THIRTY-SECOND AVE 200 N Balboa N 25xW 120. All work for one-story dwelling.

Owner—Ambrogio Toscanini. Architect—Not Given.

Contractor—Henry P. Doelger, 300 Judah St., San Francisco.

Filed July 28, '31. Dated July 1, '31.

Roof on.....\$ 875

Brown plaster on.....875

When completed.....875

Usual 35 days.....1575

TOTAL COST, \$4200

Bond, limit, forfeit, plans and specifications, none.

DWELLING

(152) W THIRTY-SECOND AVE 175 N Balboa N 25xW 120. All work for one-story dwelling.

Owner—Ambrogio Toscanini. Architect—Not Given.

Contractor—Henry Doelger, 300 Judah St., San Francisco.

Filed July 28, '31. Dated July 1, '31.

Roof on.....\$ 875

Brown plaster on.....875

When completed.....875

Usual 35 days.....1575

TOTAL COST, \$4200

Bond, limit, forfeit, plans and specifications, none.

BUNGALOW

(153) NO. 1391 TWENTY-SECOND AVE. All work for one-story and basement frame bungalow.

Owner—Jas. L. Furey, 2027 16th Ave. Ave., San Francisco.

Plans by Henry Doelger.

Contractor—Henry Doelger, 300 Judah St., San Francisco.

Filed July 28, '31. Dated June 18, '31.

Roof on.....\$968.75

Brown coated.....968.75

When completed.....968.75

Usual 35 days.....968.75

TOTAL COST, \$3875.00

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications, none.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded	Accepted
July 25, 1931—NE FILLMORE AND Jefferson N 50 x E 100. Martin and Emma Muller to whom it may concern.....	July 23, 1931
July 24, 1931—SKYLINE BLVD in San Francisco. Dept. of Public Wks., Division of Highways. State of California to Eaton & Smith.....	July 20, 1931
July 24, 1931—SE FOLSOM 137-6 SW 2nd SW 137-6 x SE 275 to NW Vernon or Dow Place. Railway Express Agcy, Inc to A W Cordes.....	July 7, 1931
July 24, 1931—NE POLK and Sacramento N 77-834 x E 85 WA 17. Lionel B Feigenbaum to whom it may concern.....	July 24, 1931
July 23, 1931—W ALABAMA 27 S Army S 27 W 75-3 N 27 E 75-3 ptn P V Lands. M and L Ittig to	

C and F Gilbert July 23, 1931
 July 22, 1931—S McRACIA 82-6 W
 22nd Ave W 25 x N 100, 1623 Mo-
 raga Ave. P B Duernier to whom
 it may concern..... July 23, 1931
 July 22, 1931—NE DARDEN WAY
 422 SE Westgate Drive 48x90, 301
 Darden Way. L and V P Laguens
 to whom it may concern..... July 15, 1931
 July 22, 1931—W 22nd AVE 75 South
 Moraga 25x82-6. Joseph F Leon-
 ard to James C Duernier
 July 20, 1931
 July 22, 1931—540 HAMPSHIRE ST.
 Sunset Scavenger Corp, Inc to
 Peter Sartorio..... July 10, 1931
 July 21, 1931—LOTS 220, 222, 223
 Blk 6786 Alemany Tract. Thos J
 Sullivan to whom it may concern.....
 July 21, 1931
 July 27, 1931—BLOCK 6786, LOTS
 222 & 226, Spring Valley Hds. Thos
 J Sullivan to whom it may concern.....
 July 27, 1931
 July 27, 1931—N LAWTON 82-6 W
 23rd Ave W 75 x N 100 OL 791.
 R F Gail to whom it may concern.....
 July 27, 1931
 July 27, 1931—E 24th AVE 225 N
 Lawton N 100 x E 120 OL 791. R
 F Gail to whom it may concern.....
 July 27, 1931—W 24th AVE 100 N
 Lawton 50x120. O E Mittelstaedt
 to J F Linder..... July 27, 1931
 July 28, 1931—SW 21st and Doug-
 lass. Charles Regalia to whom it
 may concern..... July 28, 1931
 July 28, 1931—W ASHBURY ST bet
 Frederick and Waller Sts. The
 Roman Catholic Archbishop of San
 Francisco to Leonard Bosch.....
 July 15, 1931
 July 28, 1931—378 LONDON ST. A
 Campbell to E Allsebrook.....
 July 28, 1931
 July 28, 1931—SW 18th and Potrero
 Ave S 100 to a pt x W 50 to a pt
 P N 62. General Petroleum Corp
 of Calif to Empire Const Co, Ltd.....
 July 13, 1931
 July 28, 1931—LOT 40 BLK 6780 De
 Martini Tract located on N Cotter
 bet San Jose and Cayuga Aves. H
 A and L M Sanford to E G Gil-
 bert..... July 27, 1931
 July 28, 1931—SOUTH 5 ft LOT 11,
 all lot 12 and N 5 ft lot 13 blk H,
 Sunset Heights. P and E S Glas-
 son to S A Born Bid Co.....
 July 28, 1931
 July 28, 1931—LOTS 2 and 3 BLK
 2256-A map Sub No 7 Miraloma Pk.
 The McCarthy Co to Meyer Bros.....
 July 28, 1931
 July 28, 1931—E SAN JOSE AVE 150
 S Seneca 25x150. A DeBenedetti to
 whom it may concern.....
 July 28, 1931
 July 27, 1931—S SILLIMAN 81 West
 Brussels 26x100. J and R Blum to
 whom it may concern..... July 22, 1931
 July 27, 1931—W 16th AVE 175 N
 Rivera N 25 x W 120 OL 1042. F
 and M Isaacson to whom it may
 concern..... July 27, 1931
 July 27, 1931—S SILLIMAN 120 W
 Hamilton 26x100. J and R Blum
 to whom it may concern.....
 July 22, 1931
 July 27, 1931—E 21st AVE 225 South
 Judson S 25 x E 120. Elmer J N
 Berg to whom it may concern.....
 July 25, 1931

LIENS FILED

San Francisco County

Recorded	Amount
July 24, 1931—SE MARKET 150-1 1/4 NE 7th NW 165-1 to NW Steven- son NE 75 NW 165-1 SW 75 to beg. Tyre Bros Glass Co vs Feature Theatre Co Ltd and Henry I Bel- lier Const Co Ltd..... \$103.79	
July 24, 1931—S QUINTANA ST 62-2 W 16th Ave W 38-4 S 100 E 32-6 N 100 ptn OL 1042. Jack Johnson Co vs F Miller..... \$181.50	

July 23, 1931—NW MISSION 96 W
 Annie St SW 69-11 1/4, NE 80 NE
 60-9 1/2. Independent Elevator Co, Inc
 vs Joseph H Rucker and Co and
 Amanda E Roberts \$161
 July 23, 1931—SW SAN BRUNO AVE
 134 NW Broadway NW 41 x SW
 120. Henry Ernst & Sons vs B and
 A Stone \$193
 July 23, 1931—629 WISCONSIN ST.
 D Hand as Ash & Hand vs B Rod-
 riguez \$300
 July 23, 1931—627 WISCONSIN ST.
 D Hand as Ash & Hand vs B Rod-
 riguez \$300
 July 23, 1931—617 WISCONSIN ST.
 D Hand as Ash & Hand vs B Rod-
 riguez \$400
 July 22, 1931—S CHESTNUT 137-6
 W Kearny W 137-6 x S 137-6. V
 Filippis vs A G Grosso..... \$640
 July 22, 1931—E BATTERY 45-10 S
 Vallejo S 91-8 E 275 N 91-8 W
 137-6 N 45-10 W 40 S 45-10 W 97-
 6 50 v B 17. J S Guerin & Co vs
 Poultry Producers of Central Cal-
 ifornia and Sommarstrom Bros..... \$268
 July 21, 1931—SE MARKET 150-1 1/4
 NE 7th St SE 165-1 to NW Steven-
 son to pt 150-1 1/4 NE 7th St NE
 75 thence at right angles to NW
 Stevenson 165-1 to SE Market St
 SW 75 to beginning. George Hud-
 son as National Lathing Co vs P
 H Donnelly, H I Beller Const
 Co, Feature Theatre Co, Ltd, M L
 Markowitz, S F Entertainment,
 Inc, Boston & S F Amusement Co.
 H L and M Collin, United Artist
 Theatres of Calif, Ltd, W S Heller
 and W A Haas..... \$1741.80
 July 25, 1931—NE BRODERICK and
 Golden Gate Ave 30x120. Jas E
 Lennon Lime & Cement Co vs D
 F Sullivan \$263
 July 28, 1931—S ELIZABETH 151 E
 Douglass E 26 x S 114 HA 218.
 Bear Flooring Co vs P F Jensen
 and L H Comer..... \$31.50
 July 28, 1931—NE GOLDEN GATE
 Ave and Broderick St E 30 x N
 120 W F Lynch vs C Lynn and D
 F Sullivan \$427.10

RELEASE OF LIENS

San Francisco County

Recorded	Amount
July 29, 1931—2195 or 125 W FAXON Ave 225 S Grafton S 25 x W 112-6 Blk 21 Lakeview. Hayes & Car- rick to H A Dilks..... \$106	

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Amt.
857	Gallagher	Walker	8500
858	Gede	Independent	6000
859	Pressler	Owner	3000
860	Lakeshore	Beckett	1500
861	Lyng	Wallace	1500
862	Plenting	Owner	3950
863	Rapp	Noen	3000
864	St. Patrick's	McCullough	1000
865	Sherwood	Miller	3500
866	Bartlett	Rockwell	5000
867	Devanney	Nylander	3500
868	Bredheoft	Owner	3000
869	Cranston	Windsor	4000
870	Moran	Norris	1000
871	Mayfield	Owner	1750
872	Johnston	Johnston	3500
873	Howard	Altermatt	1000
874	Hunter	Owner	4000
875	Borelles	Anderson	6500
876	Mills	Owner	4500
877	Whelan	Rich	1750
878	Lathrop	Fairo	22688
879	Wich	Williamson	5000
880	Momez	Owner	3000
881	Youell	Power	2000
882	Roseberg	Owner	2450
883	Capital	Jacobs	9550
884	Cusicanqui	Winder	5000

885	Boight	Deban	1800
886	Bosworth	De Velasco	2500
887	Drysdale	Owner	6000
888	Gardiner	Gedeborg	1000
889	Fraser	Leekins	6000
890	Malone	Owner	3000

DWELLING

(857) 10 ACACIA AVE. **BERKELEY**;
 2-story 8-room and garage frame
 dwelling.
 Owner—A. E. Gallagher, 2350 Corona
 Court, Berkeley.
 Architect—Not Given.
 Contractor—J. M. Walker, 1709 Grove
 St., Berkeley. \$8500

GARAGE

(858) 1650 SHATTUCK AVE., **BERK.**
 ELEY; class C garage.
 Owner—W. C. and H. Gede, 516 Valla
 Vista, Oakland.
 Architect—Not Given.
 Contractor—Independent Iron Works,
 1824 Chase St., Oakland. \$6000

DWELLING

(859) W 73rd AVE. 108 S Ney Ave.,
OAKLAND; one-story five-room
 dwelling.
 Owner and Builder—Walter Pressler,
 1419 Excelsior Ave., Oakland.
 Architect—Not Given. \$3000

REPAIRS

(860) 3255 GRAND AVE., **OAKLAND**
 fire repairs.
 Owner—Lakeshore Masonic Temple,
 3255 Grand Ave., Oakland.
 Architect—Not Given.
 Contractor—Beckett and Wight, 722
 Scenic Ave., Piedmont. \$1500

SHOP

(861) E VALLEY ST. 80 S 24th St.,
OAKLAND; two-story brick shop.
 Owner—Misses Lyng, 24th and Valley
 Sts., Oakland.
 Architect—Not Given.
 Contractor—F. J. Wallace, 907 Wash-
 ington St., Oakland. \$1500

DWELLING

(862) N WISCONSIN ST. 150 E Ma-
 ple Ave., **OAKLAND**; one-story 6-
 room dwelling.
 Owner and Builder—Andrew Fleming,
 4285 Monterey Blvd., Oakland.
 Architect—Not Given. \$3950

DWELLING

(863) N YGNACIO AVE. 106 W 48th
 Ave., **OAKLAND**; one-story four-
 room dwelling.
 Owner—K. Rapp, 1948 48th Ave., Oak-
 land.
 Architect—Not Given.
 Contractor—Ole Moon, 2660 74th Ave.,
 Oakland. \$3000

ALTERATIONS

(864) NW COR. TENTH and Peralta
 Sts., **OAKLAND**; alterations.
 Owner—St. Patrick's Parish, 1023 Per-
 alta St., Oakland.
 Architect—Not Given.
 Contractor—Chas. H. McCullough, 1034
 Berkeley Way, Berkeley. \$1000

REPAIRS

(865) SW COR. TENTH and Wash-
 ington Sts., **OAKLAND**; fire re-
 pairs.
 Owner—Sherwood Swan & Co., Tenth
 and Washington Sts., Oakland.
 Architect—Not Given.
 Contractor—F. A. Muller, 805 Syndi-
 cate Bldg., Oakland. \$3500

DWELLINGS

(866) S NICHOL AVE. 290-297 East
 Pleitner St., **OAKLAND**; two 1-
 story 5-room dwellings.
 Owner—R. E. Bartlett, 46 Rock Lane,
 Architect—Not Given.
 Contractor—N. E. Rockwell, 349 38th
 St., Oakland. each \$2500

DWELLING

(867) NO. 825 GLEN DRIVE, SAN LEANDRO. One and one-half-story 5-room dwelling.
Owner—M. Devaney.
Contractor—Nylander Bros., 633 Montclair Ave., San Leandro.

RESIDENCE

(868) NO. 1365 ADA ST., BERKELEY. One-story 5-room 1-family frame residence and garage.
Owner and Builder—Bredheft & Dull, 1328 Carlotta St., Berkeley.
Architect—Not Given. \$3000

RESIDENCE

(869) NO. 328-30 PANORAMIC WAY, BERKELEY. Two-story 5-room 2-family frame residence and garage.
Owner—E. A. Cranston, 1918 Grant St., Berkeley.
Architect—E. L. Snyder, 2021 Addison St., Berkeley.
Contractor—Geo. Windsor, 928 Kings-ton Ave., Piedmont. \$4000

ADDITION

(870) 5259 FOOTHILL BLVD., OAKLAND; addition to store.
Owner—J. J. Moran, 369 17th Street, Oakland.
Architect—Not Given.
Contractor—R. E. Norris, 1717 Webster St., Oakland. \$1000

DWELLING

(871) W CAPRICORN AVE. 500 South Broadway Terrace, OAKLAND; 1-story 4-room dwelling.
Owner and Builder—M. D. Mayfield, 264 13th St., Oakland.
Architect—Not Given. \$1750

DWELLING

(872) 2346 96th AVE., OAKLAND; 1-story 5-room dwelling.
Owner—R. and W. J. Johnston, 220 Santa Rosa Ave., Oakland.
Architect—Not Given.
Contractor—W. J. Johnston, 220 Santa Rosa Ave., Oakland. \$3500

ALTERATIONS

(873) NO. 1173 GLEN AVE., BERKELEY. Alterations.
Owner—C. H. Howard.
Architect—Not Given.
Contractor—J. Altermatt, 807 Regal Road, Berkeley. \$1000

RESIDENCE

(874) NO. 20 BONNIE LANE, BERKELEY. One-story 6-room 1-family frame residence and garage.
Owner—M. Hunter, 2103 Woolsey St., Berkeley.
Architect—Not Given. \$4000

DWELLING

(875) 2962 NORTHWOOD DR., ALAMEDA; two-story 7-room frame & stucco dwelling.
Owner—A. J. Boreilles, 2217 Lincoln Ave., Alameda.
Architect—Albert J. Loubet, 167 Hillcrest Road, Berkeley.
Contractor—Walter H. Anderson, 1014 Doris Court, Alameda. \$6500

ADDITION

(876) MILLS COLLEGE CAMPUS, OAKLAND; addition.
Owner and Builder—Mills College.
Architect—W. H. Ratcliff, Chamber of Commerce Bldg., Berkeley. \$4500

GARAGE

(879) N WESTALL AVE., 100 East Piedmont Ave., OAKLAND; one-story tile garage.
Owner—Welch Holding Co.
Architect—Not Given.
Contractor—Jas. L. Rich, 1075 Stanford Ave., Oakland. \$1750

DWELLING

(878) 726 EUCLID AVE., BERKELEY; 2-story 12-room frame and stucco dwelling and garage.
Owner—Marcus Lathrop, 111 Southampton Road, Berkeley.
Architect—A. F. Duddyway, 48 Oakvale Ave., Berkeley.
Contractor—Harold C. Falge, 5651 Oak Grove, Oakland. \$22,658

DWELLING

(879) 170 BROOKSIDE DR., BERKELEY; one-story 5-room frame and stucco dwelling and garage.
Owner—Whalen & Hufschmidt, 405 Federal Bldg., Oakland.
Architect—W. W. Dixon, 1844 5th Ave. Oakland.
Contractor—E. M. Williamson, 3761 Allendale Ave., Berkeley. \$5000

DWELLING

(880) 1930 CLEMENS ROAD, OAKLAND; one-story 5-room dwelling.
Owner and Builder—A. H. Monez, 1700 Leimert Blvd., Oakland.
Architect—Not Given. \$3000

GARAGE

(881) 3001 TELEGRAPH AVE., OAKLAND; one-story brick garage.
Owner—F. J. Youell, 30th and Telegraph Ave., Oakland.
Architect—R. F. deSanno, 2582 Milvia St., Berkeley.
Contractor—J. J. Power, 633 40th St., Oakland. \$2000

DWELLING

(882) W PIERSON ST. 200 N Morcom Ave., OAKLAND; 1-story 5-room dwelling.
Owner and Builder—August Roseberg, 1712 48th Ave., Oakland.
Architect—Not Given. \$2350

STORE

(883) SE COR. EIGHTH and Broadway, OAKLAND; one-story concrete store.
Owner—Capital Co., 525 Market St., San Francisco.
Architect—H. A. Minton, 525 Market St., San Francisco.
Contractor—Jacobs and Pattiani, 237 17th St., Oakland. \$9550

RESIDENCE

(884) NO. 1111 WARFIELD AVE., PIEDMONT. Two-story 6-room residence and garage.
Owner—Prof. Cusicanqui.
Architect—W. W. Dixon, 1845 Fifth Ave., Oakland.
Contractor—Geo. Windsor, 928 Kings-ton Ave., Piedmont. \$5000

ALTERATIONS

(885) NO. 235 PALM DRIVE, PIEDMONT. Alterations.
Owner—C. Bright, 235 Palm Drive, Piedmont.
Architect—Not Given.
Contractor—Leo J. Dolan, 770 Wesley Ave., Piedmont. \$1800

ALTERATIONS

(886) NO. 17 BONITA AVE., PIEDMONT. Alterations.
Owner—Chas. J. Bosworth, 17 Bonita Ave., Piedmont.
Architect—Not Given.
Contractor—C. Dudley De Velbiss, 354 Hobart St., Oakland. \$2500

RESIDENCE

(887) NO. 67 OAKMONT AVE., PIEDMONT. Two-story 6-room residence and garage.
Owner—George H. Drysdale, 1034 Harvard Road, Piedmont.
Architect—R. F. Keefer, Lakeshore Ave., Piedmont.
Contractor—George H. Drysdale, 1034 Harvard Road, Piedmont. \$6000

ALTERATIONS

(888) NO. 16 WILDWOOD AVE., PIEDMONT. Alterations.

Owner—Wm. J. Gardiner.

Architect—Noble and Archie T. New-som, 1125 Russ Bldg., San Francisco.
Contractor—A. Cederborg, 1455 Excel-slor Ave., Oakland. \$1900

DWELLINGS

(889) N GEORGIA ST. 450-500 W Maple Ave., OAKLAND. Two 1-story 6-room dwellings.
Owner—M. Frank, 1650 Hopkins St., Oakland.
Architect—Not Given.
Contractor—C. W. Leekins, 1650 Hop-kins St., Oakland. \$3000 each

STATIONS

(890) SW HIGH AND HOPKINS Sts., OAKLAND. One-story brick and concrete service station and one-story concrete service station.
Owner—R. C. Malone 2318 47th Ave., Oakland.
Architect—Not Given. \$2000 and \$1000 respectively

BUILDING CONTRACTS

ALAMEDA COUNTY

122 Flierl	Jensen	15620
123 Oakland	Schuster	2765
124 Lothrop	Paige	22688
125 Capitol	Jacobs	9528
126 Union	Stolte	7187
127 Regents	Oakland	21174

ALTERATIONS & ADDITIONS

(122) 1044 C STREET, Hayward; alterations and additions, except electric wiring and fixtures and new gas heaters for mortuary bldg.
Owner—Mr. and Mrs. Walter Flierl, 1044 C St., Hayward.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland.
Filed and Dated July 23, 1931.

When brick walls are up to height of trusses.....	\$3124
When brown coated.....	3124
When plastered.....	3124
When completed and accepted.....	3124
Usual 35 days.....	3124
TOTAL COST, \$15,620	
Forfeit, \$20 per day. Limit, 90 days.	
Plans and Spec. filed.	

STEAM & PIPE FITTING

(123) 730 29th STREET, Oakland; steam and pipe fitting for laundry building.
Owner—The Oakland Laundry Co., 720 29th St., Oakland.
Architect—Miller and Warnecke, Financial Center Bldg., Oakland.
Contractor—George A. Schuster, 4712 Grove St., Oakland.
Filed July 23, '31. Dated July 21, '31.
Every 15 days.....75%
Usual 35 days.....balance

TOTAL COST, \$2765

Forfeit, \$25 per day. Limit, 25 days.

Plans and Spec. filed.

RESIDENCE

(124) LOTS 56 AND 57 BLK 9, North Cragmont, Berkeley. All work for two-story 12-room frame and stucco residence and garage and swimming pool.
Owner—Marcus Lothrop, 111 Southampton St., Berkeley.
Plans by Arthur W. Dudman, 48 Oakvale Ave., Berkeley.
Contractor—Harold L. Paige, 5651 Oak Grove Ave., Oakland.
Filed July 24, '31. Dated July 20, '31.
Frame up.....\$4537.60
Brown coated.....4537.60
Ready for painting.....4537.60
On completion.....4537.60
Usual 35 days.....4537.60
TOTAL COST, \$22,688.00
Bond, \$22,688. Surety, Fidelity & Deposit Co. of Maryland. Limit, 110

days. Forfeit, \$1 per day. Plans and specifications filed.

STORE BLDG.
(125) SE EIGHTH ST. AND BROAD-
Way, Oakland. All work except
electrical work for one-story store
building.

Owner—Capitol Co., 460 Montgomery
St., San Francisco.

Architect—H. A. McInton, Bank of
America Bldg., San Francisco.

Contractor—H. B. Jacobs and A. W.
Pattiani Jr (as Jacobs & Pattiani),
337 17th St., Oakland.

Filed July 24, '31. Dated July 22, '31.
On 1st and 15th of each month 75%
Usual 35 days.....Balance

TOTAL COST, \$9528
Bond, \$9528. Surety, Fidelity & De-
posit Co. of Maryland. Limit, October
5, 1931. Forfeit, \$25. Plans and
specifications filed.

SERVICE STATION

(126) SW BELLEVUE ST. and Grand
Ave., Oakland; general construc-
tion on super service gas and oil
station.

Owner—Union Oil Company of Cali-
fornia, Mills Bldg., San Francisco.

Architect—Not Given.

Contractor—F. C. Stolte, 3455 Laguna
Ave., Oakland.

Filed July 23, '31. Dated July 25, '31.
On completion.....75%
Usual 35 days.....25%

TOTAL COST, \$7187
Bond, \$3594. Sureties, U. S. Guarantee
Co. Limit, 30 days. Plans and Spec.
filed.

STREET WIDENING

(127) CAMPUS of the University of
California, Berkeley; widening of
Fulton St. and Bancroft Way.

Owner—Regents of the University of
California, Berkeley.

Architect—Herbert B. Foster, Dept. of
Grounds and Bldgs., Berkeley.

Contractor—Oakland Paving Co., 5000
Broadway, Oakland.

Filed July 23, '31. Dated July 23, '31.
1st of each month.....75%
Usual 35 days.....25%

TOTAL COST, \$21,174.68
Bond: Labor and Materials, \$11,000;
Performance, \$11,000. Sureties, Pacific
Indemnity Co. Forfeit, \$25 per day.
Limit, 90 days. Plans and Spec. filed.

COMPLETION NOTICES

Alameda County

Recorded Accepted

July 28, 1931—PTN LOTS 11 AND 12
Blk 7, Highland Manor, Oakland,
Rachel Roberts to whom it may
concern.....July 22, 1931

July 28, 1931—NO. 560 BLAIR AVE.,
Piedmont. Sigwald Bros. to Sig-
wald Bros.....July 27, 1931

July 28, 1931—PTN LOTS 1 AND 2
Blk 11, Map No. 6 of Regents
Park, Albany. P Cola (also known
as Pasquale Cola) to whom it may
concern.....July 21, 1931

July 28, 1931—SE 50 FT. LOTS 1 and
2 Blk 11, Map No. 6 of Regents
Park, Albany. P Cola (also known
as Pasquale Cola) to whom it may
concern.....July 21, 1931

July 27, 1931—LOTS 60 AND 61 BLK
I, Regents Park, Berkeley. Grover
Ellam to Grover Ellam.....July 25, 1931

July 27, 1931—NO. 1455 ORDWAY
St., Berkeley. C O Dull to John
L Bredehoft.....July 25, 1931

July 27, 1931—PTN LOT 15, Lake-
shore Manor, Oakland. Charles
Lindsay; C Markus and Robt Ap-
pleby to whom it may concern.....
July 22, 1931

July 27, 1931—LOTS 45, 47 AND 50
Merriewood, Oakland. Edward W
& Alvena Coleman Stone to Frank
C Applebe.....July 25, 1931

July 27, 1931—PTN LOTS 13 AND
14 Blk 23, Estudillo Tract, San

Leandro. Austin P Kelly to A S
Farla.....July 25, 1931

July 2, 1931—SE 50 ft LOTS 24 and
35, Spring Court Tract, Berke-
ley. J F Hubbard to Self.....
July 24, 1931

July 25, 1931—3008 WISCONSIN ST.,
Oakland. Henry A Plettnier to Wm
Watson.....July 25, 1931

July 25, 1931—3016 and 3000 WIS-
consin St. Oakland (two comple-
tions). Henry A Plettnier to Wm
Watson.....July 25, 1931

July 25, 1931—940 52nd St. Oakland.
O C Barth to Leroy M Baird.....
July 25, 1931

July 25, 1931—LOT 50A, Forest Pk.,
Oakland. J F and Jennie Sharp to
C H Thrane.....July 25, 1931

July 24, 1931—3020 BATEMAN ST.
Berkeley. Eliza Jane Seabury to
R O Brown.....July 18, 1931

July 24, 1931—3021 WISCONSIN ST.,
Oakland. John Fleming to whom
it may concern.....July 24, 1931

July 24, 1931—4042 MAPLE AVE.,
Oakland. Anna Johnson to O W
Johnson.....July 24, 1931

July 24, 1931—NW LAGUNA AVE
99-3 ft SW of Wilbur St. Oakland.
J D McCabe to whom it may con-
cern.....July 24, 1931

July 24, 1931—LOT 31 and E 15 ft
Lot 32 Blk M Estudillo Estates,
San Leandro. R M and Jennie
Bruning to whom it may concern
.....July 22, 1931

July 24, 1931—STATE HIGHWAY
bet San Joaquin County line and
Santa Clara County line, Alameda
County. Dept of Public Works,
Division of Highways, State of
California to R M Sheldon & Son.....
July 20, 1931

July 24, 1931—STATE HIGHWAY
bet Livermore and Dublin. Dept
of Public Works, Division of High-
ways, State of California to R M
Sheldon and Son.....July 20, 1931

July 24, 1931—2427 80th AVE, Oak-
land. George Duncan to Self.....
July 22, 1931

July 23, 1931—LOT 71, Resub of Blks
A and B, Meek Estate Orchards,
Eden Twp. Gus Ohlsen to whom
it may concern.....July 14, 1931

July 23, 1931—LOT 18 BLK 3, High-
land Manor, Oakland. Carl W and
Esther M Nystrom to P R Haul-
man.....July 21, 1931

July 23, 1931—LOT 166, Unit 2 Ave
Terrace, Oakland. Andrew Flem-
ing to whom it may concern.....
July 23, 1931

July 22, 1931—LOT A22 BLK J, By-
ron Tract, Berkeley. Aaro Niska
to Self.....July 20, 1931

July 22, 1931—55 FAIRVIEW AVE,
Piedmont. Amanda I Henningsen
to John S Flagg.....July 18, 1931

July 22, 1931—1485 ORDWAY ST.
Berkeley. Lee B and Winifred H
Sutliff to C O Dull and John L
Bredehoft.....July 20, 1931

July 22, 1931—80 EL CAMINO Real,
Berkeley. Max Kameny to S M
Shapiro.....July 21, 1931

July 22, 1931—INTER NW POPLAR
Ave and NE Soto St. Hayward.
Jacob Meek to whom it may con-
cern.....July 20, 1931

LIENS FILED

Alameda County

Recorded	Amount
July 24, 1931—PTN LOTS 10 and 11 Blk 3, Revised map of Oakland Heights, Oakland. Arles - Knapp Co, Inc vs R E Mayer and F E Hostetter.....	\$172.75
July 22, 1931—PTN LOTS 10 and 11 Blk 3, Revised map of Oakland Heights, Oakland. C U Martin, agent, a co-partnership consisting of C U Martin and John O Mar- tin vs R E Mayer and Frank J Edwards.....	\$398.27
July 22, 1931—PTN LOTS 10 and 11 Blk 3, Revised map of Oakland Heights, Oakland. Markus Hard- ware Co, \$305.06; Bay City Metal Products Co, \$306, vs R E Mayer and S E Hostetter.....	\$145.25

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded	Amount
July 28, 1931—INTERSECTION N 17th St. and W Broadway, Oak- land. Clinton Mill & Lumber Co to Gus Lundquist and W H Weil- bye.....	\$145.25

BUILDING PERMITS

SAN MATEO

DWELLING, \$6250; Lot 120 Blk 4,
Cor. State and Highway Sts., San
Mateo; owner and contractor, O.
J. L. Byers, 210 State Street, San
Mateo.

RESIDENCE, \$4000; Lot 1 Bk 5, Florin
St., San Mateo; owner and con-
tractor, A. Carlson.

BUILDING PERMITS

REDWOOD CITY

DWELLING, frame, \$2000; No. 531
Hudson St., Redwood City; owner,
B. Maninat; contractor, R. D.
Squires; 9th Ave., Redwood City.

DWELLING, frame, 6-rooms and bath,
\$3000; No. 1225 Harrison St., Red-
wood City; owner and contractor,
H. W. Hougham.

STORE, 1-story reinf. concrete, \$20,-
000; 16-18-20-30 California Street;
owner, Andrews Inv. Co.; archi-
tect, John McCool, 381 Eush St.,
San Francisco; contractor, An-
drews Inv. Co., 2655 Broadway,
Redwood City.

BUILDING PERMITS

PALO ALTO

STORAGE shed, \$1000; No. 300 Portage
Ave., Palo Alto; owner, Sutter
Packing Co., 300 Portage Avenue,
Palo Alto.

RESIDENCE, rustic, \$2500; No. 355
College Ave., Palo Alto; owner,
John C. Briggs, 1425 Castillo St.,
Burlingame; contractor, Meese &
Briggs, 1425 Broadway, Burlingame

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

RESIDENCE, stucco, \$7000, No. 354 Portola Ave., Palo Alto; owner, Frank C. Eastman; contractor, Harry C. Yates, San Benito St., Atherton.

RESIDENCE, frame and stucco, one-story and garage, \$7500; No. 2380 South Court, Palo Alto; owner and contractor, Cleveland Smith, President Hotel, San Francisco; architect, Treichel & Goodpastor, 1540 San Pablo Ave., Oakland.

RESIDENCE, frame and stucco, 2-story and garage, \$13,000; No. 1291 Hamilton Ave., Palo Alto; owner, A. Aro, 1143 Webster St., Palo Alto; contractor, Otto & Okerman, 1143 Webster St., Palo Alto.

RESIDENCE, frame and stucco, one-story, \$2500; No. 533 Yale St., Palo Alto; owner and builder, J. F. Dahl, 325 Alma St., Palo Alto.

RESIDENCE, frame and stucco, one-story, \$2750; No. 539 Yale St., Palo Alto; owner and builder, J. F. Dahl, 325 Alma St., Palo Alto.

DWELING, rustic, \$3000; No. 120 Washington Ave., Palo Alto; owner, E. H. Tucker.

RESIDENCE, stucco, \$2000; No. 1184 Palo Alto Ave., Palo Alto; owner, E. Leslie Kiler; contractor, Black & Campbell, 15 Crescent St., Palo Alto.

RESIDENCE, stucco, \$3000; No. 653 Stanford Ave., Palo Alto; owner, Geo. A. Rathman, 653 Stanford Ave., Palo Alto; contractor, Phil Darr, 131 Park Blvd., Palo Alto.

RESIDENCE & garage, stucco, \$7500; No. 1531 El Camino Real, Palo Alto; owner, Mrs. Florence Webber; contractor, J. G. Causey, 159 Seale Ave., Palo Alto.

BUILDING PERMITS

SAN JOSE

ADDITIONAL alterations to Type III business building, \$24,500; 128-134 S-First St., San Jose; owner, Zukers Inc., Market St., San Francisco; contractor, Vernon Fixture & Cabinet Co. et al. Premises.

ALTER frame residence, \$1000; No. 661 Spring St., San Jose; owner, A. Inamorato, Premises.

ADDITIONAL alterations to Type III business building, \$5000; Second and Fountain Sts., San Jose; owner, L. B. Archer, Bank of America; contractor, J. C. Thorp, Bank of America, San Jose.

RESIDENCE, frame, 5-room, \$3400; Hulet St. near Bird St., San Jose; owner, M. Calotta, 635 Hulet St., San Jose; contractor, M. Perino, 148 Race St., San Jose.

RESIDENCE, frame, 2-family, \$3000; E St. James near Sixth St., San Jose; owner and contractor, C. I. Wald, 292 E. St. James St., San Jose.

ALTER Type III business building, \$2000; No. 179 S-First St., San Jose; owner, Independent Bldg. & Loan, 16 E. St. Antonio St., San Jose; contractor, H. A. Bridges, 1396 Lincoln St., San Jose.

BUILDING PERMITS

BURLINGAME

RESIDENCE, \$4800; Lot 4 Blk 55, Drake St., Burlingame; owner and contractor, J. W. Jordan, 1340 Capuchio St., Burlingame.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
July 22, 1931—LOT 44, Wellsley Park.	Chris Soll to Ingvard Sorensen.....
July 2, 1931	.....
July 22, 1931—LOT 14 BLK 7, Bur-	.....

lingame Grove, Ingvard Sorensen to whom it may concern

July 22, 1931—STATE HIGHWAY, Redwood City to Palo Alto. State of California to Julius Delskowitz

July 20, 1931—LOT 12, Woodstock in Hillsborough. G W Williams Co to whom it may concern

July 21, 1931

July 23, 1931—STATE HIGHWAY, Redwood City to Palo Alto. State of California to Hanson Bros.....

July 21, 1931

July 23, 1931—LOT A, Part Lot 20 Blk 5, San Mateo Villa Park, San Mateo. William Auerbach to Herman Budon

July 23, 1931

July 24, 1931—BAYSHORE HIGHWAY, State of California to San Bruno Ave. Feed & Fuel Co and Chas Beziel (2 completions).....

July 20, 1931

July 24, 1931—SKYLINE BLVD. State of California to Lester Hingsbergen; Henry Kage; J O'Shea and Carl Lewis (4 completions).....

July 20, 1931

July 24, 1931—LOT 8 BLK 1, Nelson Park. J B Shook to Thomas Nelson

July 23, 1931

July 24, 1931—LOT 10 BLK 36, Lyon & Hoag Subd., Burlingame. C S Conger to whom it may concern.....

July 20, 1931

July 24, 1931—LOT 9 BLK 10, Burlingame. John Buchanan to whom it may concern.....

July 23, 1931

July 24, 1931—STATE HIGHWAY, Colma. State of California to Hanrahan Co.

July 20, 1931

July 24, 1931—PART LOTS 130 and 131, West End Homestead. Globe Securities Co to F F Balliet.....

July 14, 1931

July 24, 1931—LOT 1 BLK 30, Vista Grande. Globe Securities Co to F F Balliet.....

July 14, 1931

July 24, 1931—STATE HIGHWAY, South San Francisco. State of California to whom it may concern

July 20, 1931

July 25, 1931—PART LOT 5 BLK 4, Jefferson Acres. Peter J Fritz et al to T C Tibbes et al.

July 24, 1931

July 25, 1931—LOT 18 BLK 30, Millbrae Highlands. James A Arnott to Jas Arnott & Sons

July 23, 1931

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
July 22, 1931—LOTS 1 AND 2 BLK 10, Millbrae Tract. The Turner Co vs W R McKnight et al.....	\$20.34
July 22, 1931—LOT 8 BLK 11, Sweeney Addition. San Carlos Feed & Fuel Co vs Florence Manuela et al.....	\$34.44
July 22, 1931—LOT 8 BLK 11 Sweeney Addition. Redwood Wm Schimp et al \$181; S Sanborn et al, \$109 vs H Pinkerton et al.....	\$126
July 23, 1931—PART LOTS 1 AND 2 Blk 10, Millbrae Park. Bert Ghioto, \$396.85; J C Vassallo, \$619.90; A S Moore, \$281.80 vs Wm R McKnight et al	
July 23, 1931—LOT 8 BLK 11, Sweeney Tract. A R Ford vs H J Pinkerton	
July 24, 1931—PART LOTS 6 and 7 Blk 23 and Lot 3 Blk 23, Oak Knoll Manor, Freimutte Pipe & Sheet Metal Co, \$410.22; E J Mat-tecks, \$657.22 vs John L Faramaschi	
July 24, 1931—LOT 41 BLK N, Mission St. Land Co. W B Jefferson vs W W Lewis et al.....	\$31.50

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded	Accepted
July 22, 1931 — LOT 30, Marshall	

Subd., San Jose. Della Maggiore to whom it may concern

June 21, 1931

July 23, 1931 — LOT 60, Alameda Court Extension, San Jose. Arthur Clare to whom it may concern

July 22, 1931

July 23, 1931—LOT 2 BLK 82, Breck Subd., Palo Alto. Edwin E Hobby to whom it may concern

July 23, 1931

July 24, 1931—LOT 5, Bailey Subd., Mt. View. M L Wells to whom it may concern

July 24, 1931

July 18, 1931—SE GREENWOOD AVE 979-48 SW of Saratoga and Los Gatos Road. Charles R Stone to whom it may concern

July 10, 1931

July 13, 1931—LOT 13 Barron Park, Palo Alto. Pearl C Clark to whom it may concern

July 11, 1931

July 21, 1931—LOT 9 Resub of Palmeta Park, San Jose. Earl D Minton to whom it may concern

July 18, 1931

July 21, 1931—PTN LOTS 7 and 8 Fleming Subdiv, San Jose. C O Metcalf to whom it may concern

July 17, 1931

July 21, 1931—0.996 ACRE beg 531-04 NE and 12-08 W of SE cor 12-50 acre tract of Grunwald. Carl Grunwald to whom it may concern

July 20, 1931

July 20, 1931—LOT 52 Colonial Manor, San Jose. Wm H and Ruth Neil to whom it may concern

July 17, 1931

July 20, 1931—SANTA CLARA Station (install pavement). Southern Pacific Co to whom it may concern

July 15, 1931

July 20, 1931—NE SECOND ST 124-79 ft NW Younger Ave. Sarah Younger to whom it may concern

July 15, 1931

BUILDING CONTRACTS

MARIN COUNTY

BUILDING

SAUSALITO. Location and work not mentioned, agreement only filed. Owner—Sylvia and Harry Sloss, San Francisco.

Architect — Wm. I. Garren, 233 Post St., San Francisco.

Contractor—Young & Horstmeyer, 461 Market St., San Francisco.

Dated July 18, '31.

Filed July 20, '31.

1st floor joists in place.....\$1000.00

Frame completed.....1500.00

Brown coated.....2500.00

When completed.....2000.00

Usual 35 days.....2038.50

TOTAL COST, \$9038.50

Bond, none. Limit, 90 working days.

Forfeit, plans and specifications, none.

COMPLETION NOTICES

MARIN COUNTY

Recorded	Accepted
July 15, 1931 — SAN ANSELMO. Everett W Ruhl to Everett W Ruhl	July 15, 1931
July 17, 1931—BELVEDERE. Elma D Moore to Melvin Klyce.....	July 3, 1931
July 21, 1931—SAN RAFAEL. Chas H DuBois to I R Hobbs.....	July 16, 1931
July 22, 1931—PALM HILL, Larkspur. Rose M Scheuch to Chas L Donovan and James Kennett.....	July 21, 1931
July 25, 1931—MILL VALLEY. Wm and Anna Belle Travis to Melvin Klyce.....	July 15, 1931

LIENS FILED

MARIN COUNTY

Recorded	Amount
July 23, 1931—SAN ANSELMO. McPhail, Grady Co vs G Tjensvold....	

July 23, 1931—NEAR OLEMA, F. E. Lumber Co. vs B. E. Vaughan and American Trust Co.\$71.62
.....\$341.85

BUILDING CONTRACTS

CONTRA COSTA COUNTY

SHELL POINT: all work for six one-story frame and stucco houses. Owner—Shell Chemical Co., Shell Point Architect—Not Given.
Contractor—William Spivock, Hobart Bldg., San Francisco.
Filed July 18, '31. Dated July 16, '31.
Completion of foundations.....25%
Completion of frame work.....25%
Completion of roofing.....25%
TOTAL COST, \$39,194
Bond, \$39,194. Sureties, Union Indemnity Co. of Louisiana. Plans and Spec. filed.

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded Accepted
July 23, 1931—PITY IN YGNACIO Valley at the junction of Walnut Ave. and Ygnacio Road. Thomas Telfer to Walter L. Broderick.....
.....July 14, 1931
July 23, 1931—LOT 11 and SOUTH ½ of lot 10 Blk 2, Grand View Terrace. Henry E. Schaefer to whom it may concern.....July 20, 1931
July 27, 1931—LOTS 21, 22 and 23 in Blk 1, Subdiv. of Blk 1 West, Roscoe. Clara Bella Rosa to Karl Stuckman.....July 25, 1931
July 27, 1931—LOT 1 and N half of lot 2 Blk 23, Andrade Rose Tract. No 2, Martinez, P. F. and C. B. Jordan to S. E. Manning.....
.....July 20, 1931
July 27, 1931—LOT 6 BLK 28, Andrade Rose No 2, Martinez, E. P. and Mae Hunt to S. E. Manning.....
.....July 15, 1931
July 22, 1931—LOT 9 BLK 5, Amended Richmond Fifth Addition. John F. Dietz to John F. Dietz.....
.....July 21, 1931
July 24, 1931—LOT 18 BLK 7, Berkeley Highland Terrace. Andrew Hexem to whom it may concern.....
.....July 23, 1931
July 24, 1931—LOT 19 BLK 7, Berkeley Highland Terrace. Andrew Hexem to whom it may concern.....
.....July 23, 1931
July 25, 1931—WILLOW PASS RD. in Section 12, 2 North 1 West. Katherine A. Skiles to Fred G. Henderson.....July 17, 1931

LIENS FILED

CONTRA COSTA COUNTY

Recorded Amount
July 23, 1931—LOT 40 and S ½ Lot 30 Blk 9, Richmond Pullman Home Tract. General Mill & Lumber Co. vs H. H. Beebe.....\$346.83
July 23, 1931—LOT 40 and South ½ of 33 in Block 9, Richmond Pullman Home Tract. Berkeley Bldg. Materials Co. vs H. H. Beebe.....\$60.74
July 24, 1931—LOT 33 BLK 110, East Richmond Heights Tract No. 3. Atlas Development Co., Ltd. vs Daniel J. Riordan.....\$110.80

COMPLETION NOTICES

SONOMA COUNTY

Recorded Accepted
July 23, 1931—LOT 29, Rincon Park Tract near Santa Rosa. Dolores Lee to W. J. Lindsay.....July 22, 1931
July 24, 1931—LOTS 3, 4, 5, 6, 7, 21 and 20 and parts of Lots 22, 23 & 24 Blk 1, Studley Trct., Sonoma. R. C. Lange to whom it may concern.....July 21, 1931

July 27, 1931—BLOCK 38 and Part Block 30, McDonald's Addn to Santa Rosa, and other parts of said subdivision. Pacific Gas & Electric Co. to Worden & Forsythe; Connors, Handson & Helm Bros.; Chicago Bridge & Iron Works, J. B. Peterson; Fairbanks & Norse Co.; Aristo Painting Co.; Huntingtons Planning Mill; Michel & Pfeiffer Iron Works; O. H. Mann Co.; Easy Auto Lift Co.; Fibrecraft Co.; Santa Rosa Furniture Co.; The Mastercraft.....July 17, 1931
July 27, 1931—E 50 FT. LOTS 8, 9, and 10 Blk 33, McDonald's Addition to Santa Rosa. Geo. A. Hall to whom it may concern July 21, 1931

LIENS FILED

SONOMA COUNTY

Recorded Amount
July 27, 1931—ON FREESTONE RD. W. of Sebastopol (41 acres). Rodney Miller vs K. Ono; J. P. Kelly; W. M. Hotie, S. B. Roberson; Earl C. Hammell, trustee.....\$104
July 21, 1931—ON FREESTONE Sebastopol Road, (41+ acres) E. I. Borba vs K. Ono, J. P. Kelly, W. M. Hotie, S. B. Roberson and Earl C. Hammell, Trustee.....\$72.20

RELEASE OF LIENS

SONOMA COUNTY

Recorded Amount
July 23, 1931—PART OF T. W. Hudson Tract adjoining Healdsburg. R. D. Sharpnack to W. J. Hotchkiss.....\$197

BUILDING PERMITS

STOCKTON

DWELLING, frame, stucco and rustic, 2-story 7-room and basement, \$6500; No. 204 Euclid Ave., Stockton; owner, N. M. Parsons, 245 W. Stadium Dr., Stockton; contractor, Randolph & West, 100 Knowles Way, Stockton.
REMODEL store front, \$2650; No. 509 E-Main St., Stockton; owner, E. L. Wilhoit, West Lane, Stockton.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
July 23, 1931—LOT 7 BLK 10, Plat of Lake Park. Fred Matteoni and wife to J. M. Heltner.....
.....May 15, 1931
July 20, 1931—LOT 3 BLK 3, Lake Park, Stockton. Reva Barton to whom it may concern.....July 20, 1931

BUILDING CONTRACTS

MONTEREY COUNTY

ALTERATIONS
SPRINGFIELD SCHOOL DISTRICT, Monterey County. All work for alterations & additions to Springfield school.
Owner—Trustees of Springfield School District.
Architect—Butner & Stranahan, Glikburg Bdg., Salinas.
Contractor—R. Pedersen Co.
Filed July 20, '31. Dated July 13, '31.
Roof rafters in place.....\$500
Plastering completed.....500
Completed and accepted.....500
Usual 35 days.....567
TOTAL COST, \$2067
Bond, \$2067. Surety, United States Fidelity & Guaranty Co. Limit, 30 working days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

NORTH GASTANOVA ST., Carmel

All work for alterations, repairs and steel complete late damaged residence.
Owner—Mrs. J. L. Fulton, City of Carmel.
Architect—Not Given.
Contractor—Hugh W. Comstock, Carmel.
Filed July 21, '31. Dated July 16, '31.
Payments to be made as work progresses. Owner to retain 10% until final period has passed, 35 days after filing of notice of completion.
TOTAL COST, \$2400
Bond, none. Limit, 60 working days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
July 17, 1931—PTN OF RANCHO El Sausal, Monterey Co. Frank J. and Wilma L. Perry to whom it may concern.....July 17, 1931
July 17, 1931—W ½ LOT 1 BLK 169, Map of 5th Addition to Pacific Grove. Sarah M. Kimball to Newman & Halsted.....July 14, 1931
July 17, 1931—CATTLEMAN'S Lane or Griffin St., Salinas. Robert Nell to whom it may concern.....
.....July 16, 1931
July 18, 1931—LOT 19 BLK A A, City of Carmel. Ethel T. England to Hugh W. Comstock, June 10, 1931
July 21, 1931—ALL LOT 8 and S 10 ft. Lot 9 Blk 118, Rodrick's Subdivision. Raimondo and Adele Ragghianti to whom it may concern.....July 15, 1931
July 21, 1931—LOTS 20 AND 22 BLK 17, Carmel-by-the-Sea. Miller Motor Co. to M. J. Murphy, Inc.
.....July 20, 1931
July 22, 1931—LOT 6 BLK 117, City of Carmel-by-the-Sea. John and Temperance Smith and M. J. Murphy, Inc. to whom it may concern.....July 20, 1931
July 24, 1931—LOT 3 BLK 4, Maple Park Addition No. 2, Monterey. Corinne Hansen and Frank B. Porter to whom it may concern.....
.....July 24, 1931
July 24, 1931—LOT 1 BLK 159, Fifth Addition to Pacific Grove. Charles Hufferd to whom it may concern.....
.....July 18, 1931

LIENS FILED

MONTEREY COUNTY

Recorded Amount
July 17, 1931—PTN OF BOLSA Nueva Y. Moro Cojo Rancho in County of Monterey. M. B. Hood vs H. A. and Mary Gray and Wm. R. Buckley.....\$30
July 17, 1931—Ptn of BOLSA Nueva Y. Moro Cojo Rancho, Monterey Co. W. O. Hood vs H. A. and Mary Gray and William R. Buckley.....\$60
July 18, 1931—PTN LOT 15, Elton Hebburn Subdivision part of El Sausal Rancho. Tynan Lumber Co. vs A. V. Harris, Elton B. Hebburn and Wm. L. Hebburn.....\$22.00
July 20, 1931—PARCEL OF LAND in the City of Monterey. Tynan Lumber Co. vs Nicholas Mikel and Fred McCrary.....\$1234.96
July 20, 1931—PARCEL OF LAND in the City of Monterey. Tynan Lumber Co. vs Nicholas Mikel and J. E. Eckert.....\$118

RELEASE OF LIENS

MONTEREY COUNTY

Recorded Amount
July 17, 1931—BLOCK 45, Map of

Wither's Addition to City of Monterey. Frank Carroll and Dan Searle to J. C. Anthony.....\$90

BUILDING PERMITS

SACRAMENTO

BUNGALOWS (4), \$3500 each; Main High School and Junior College, Sacramento; owner and builder, Sacramento City School District, Sacramento.

SERVICE station and lunch stand, \$3500; No. 3440 24th St., Sacramento; owner, J. P. Keating, 1515 18th St., Sacramento; contractor, W. C. Keating.

PORCH, \$2000; No. 1064 Santa Ynez Way, Sacramento; owner, Mr. White, Premises; contractor, Jos. Pedone.

HOUSE, 6-room and garage, \$6000; 2959 Govan Way, Land Drive Terrace; owner and builder, E. A. Corum, 2665 Donner Way; private plans.

HOUSE and garage, \$5000; 5000 H St., lot 40 W & K Tract 34; owner and builder, F. C. Stabenaw, 3241 6th Avenue.

HOUSE and garage, \$5250; 1703 4th St., Blk 12 Maple Park; owner, E. A. Neves, 1715 X St.; contractor, N. Furtado.

HOUSE and garage, \$3000; 2001 35th St., lot 1336 W & K 29; owner, S. Cooper; contractor, Watson and Bennie.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
July 27, 1931—LOT 16 Carly Pk, 2711 Lank Park Drive. W B Phillips to whom it may concern.....July 27, 1931

July 24, 1931—NO. 2403 ELMHURST St., Sacramento. C A Lambert to whom it may concern.....July 24, 1931

July 21, 1931—POR. LOTS 5 AND 6, Smith Tract, Sacramento. August and Olga Nouchy to whom it may concern.....July 15, 1931

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
July 21, 1931—LOT 97, McKinley Tract, Sacramento. A Virgilio vs Adolph Kaiser\$120

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
July 25, 1931—LOTS 22 AND 23 BLK 8, Roeding Addition, Fresno. Florence A Brooks and Olive Branch to S C Ramage and Fresno Window Shade Shop.....July 25, 1931

ENGINEERING SOCIETIES EMPLOYMENT SERVICE

Further information regarding positions listed in this column is obtainable from Newton D. Cook, Room 715, 57 Post Street, San Francisco. (Phone SUTTER 1684).

R-3612-S SALES ENGINEER, able to meet the consumers as well as agents, for line of water softeners. Must have sales experience, preferably along similar lines. Must have car and will have to be bonded. Straight commission. Location, San Francisco to Monterey. Headquarters, San Francisco.

R-3616-S SALES ENGINEER, experienced selling small centrifugal and plunger pumps to dealers and

users, to cover the San Joaquin Valley from San Francisco. Must have car. Salary and commission. Headquarters, San Francisco.

R-3617-S SALES ENGINEERS, experienced, to develop sales for a complete line of centrifugal pumps for large Eastern company maintaining Western district manager. Applicants must know pumps thoroughly and be qualified to go after the largest orders in their territory. Liberal commission. Apply by letter with details of experience, references, past earnings, etc. Correspondence confidential. Territories open in all Western States. Headquarters, San Francisco.

R-3609-E. INDUSTRIAL ENGINEER, 30-35 years old, with experience handling labor problems and rate setting, for employment with consulting engineer. Must have organizing ability, initiative, tact and abundant energy. Must be a salesman with technical training and mathematical ability and a proven interest in the labor element of manufacturing production. Apply by letter giving experience in detail, education and general qualifications, with photo. Salary open. Location, Pacific Coast.

W-2817. INSTRUCTOR, under 35, to teach engineering journalism, and practical work. Must have newspaper and magazine make-up experience. Salary, \$3000 a year. Apply only by letter. Location, Middlewest.

R-3615-S ENGINEER, preferably civil engineering graduate, who has had experience in the design, layout and detailing of concrete mixer plants, cableways and towers. Salary, \$250-\$275. Temporary. Apply by letter. Location, Nevada.

W-2887-C-S (K-371) ENGINEER, experienced in maintenance, design and construction of equipment for movable bridges, well acquainted with equipment for movable parts of bridges and controls. Salary, \$500-\$600 a month, 10% off for in-

come tax, balance 40% in American money and 60% in rubles for living expenses. Transportation furnished. Apply only by letter. Location, Moscow.

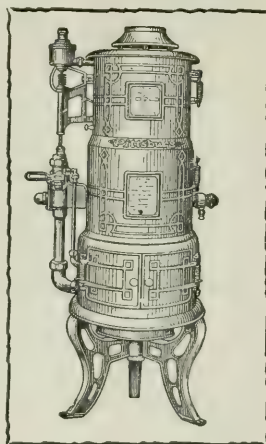
R-3613-S SALES ENGINEER, to handle water softeners, and in addition will cover electric refrigerators and all types of pumps. Will deal with agents almost exclusively. Would like to get some one who has been calling on plumbers or plumbing trade. Must have own car and will have to be bonded. Straight commission. Location, San Joaquin Valley. Headquarters, San Francisco.

W-2886-C-S (K-370) ENGINEER, experienced in railroad operation, for designing and constructing trackage and track equipment for freight and passenger terminals, yards, classification yards, etc. Salary, \$500-\$600 a month, 10% off for income tax, balance 40% in American money and 60% in rubles for living expenses. Transportation furnished. Apply only by letter. Location, Moscow.

R-3607-S STUDENT ASSISTANT, to help man in charge of shop instruction at small college. Young man with some experience in wood and iron working can earn full tuition, board and room while attending college. Location, Northern California.

R-3610-S ENGINEER, experienced in the design and application of steel forms to tunnels and heavy construction. Must be able to sell, design equipment and supervise construction. Salary depends upon experience. Apply only by letter. Headquarters, San Francisco.

R-3612-S SALES ENGINEER, able to meet the consumers as well as agents, for line of water softeners. Must have sales experience, preferably along similar lines. Must have car and will have to be bonded. Straight commission. Location, San Francisco to Monterey. Headquarters, San Francisco.



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Thirty-fifth Year, No. 32

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HIGHWAY CURVE DANGERS CITED

In designing curves for highways the speed and character of the expected traffic and the sharpness of curvature should be kept in mind. The curvature used should be the lightest which can be justified by the cost of construction and the topography of the country, according to a report of the American Road Builders' Association.

The hazards due to curvature arise from the change in direction in passing from the tangent to the curve and the strain put upon the driver and the steering mechanism of the car, and the tendency of the vehicle to skid on the surface of the pavement.

The first condition can be improved by lessening the central angle between the tangents as much as possible and by using the flattest curve that the topography and allowable cost will permit.

The second condition can be made less dangerous by super-elevating and spiraling the curve and using some type of nonskid pavement. The degree of curve does not fully indicate the extent of the hazard to traffic. The length of the curve which, of course, is dependent upon the size of the angle between the adjacent tangents makes a great deal of difference.

With a small central angle a very sharp curve may not be particularly dangerous, since, on account of its length, the visibility may be good, and where the roadway is sufficiently wide the driver can cut across the curve, and in effect, travel on a path of much longer radius than the actual center line of the pavement. However, where the curve is long and under heavy traffic he is obliged to keep on his side of the road, and the tendency is for the car constantly to turn tangent to the curve unless this force is lessened by proper super-elevation and careful driving.

Where the highway is crowded with high-speed traffic, curves of over 3 or 4 deg. and more than 600 or 800 ft. in length are objectionable, and every effort should be made to use as light curvature as may be consistent with the other features of the location. In other words, the central angles involved in the location of a road expected to carry a large volume of high-speed traffic should, if possible, be kept well below 45 degrees.

For the purpose of inquiring into the experience which has attended the use of rigid conduit as a protective electric raceway, the Electrical Testing Laboratories, New York City, has prepared a critical history of the development of rigid conduit which has been published by the trade extension committee of the rigid conduit section of the National Electrical Manufacturers Association. Copies may be obtained from George H. Sicard, secretary, 603 Gas & Electric Building, Utica, N. Y.

OFFICE BUILDING TO BE RADIO EQUIPPED

Entertainment and information for the tired business man will be provided in the new 33-story office building being erected in Philadelphia for the Philadelphia Saving Fund Society. A receiving system is being installed for the operation of radio receivers in each of the 425 offices in the building.

The new installation anticipates the time when business will demand facilities for getting market quotations, views of leading statesmen and captains of industry on important questions, and similar services at their own desk.

Couldn't Join Carpenters' Union, Sues—Awarded \$4,000

Judgment for \$4,000 was handed down last Wednesday for the plaintiff in the suit of Daniel E. Johnson, well known Reno carpenter, against the International Brotherhood of Carpenters & Joiners of America, the Reno, Nev., Carpenters' Union, and a number of individual defendants.

The suit has been in court for more than a year. It was filed by Johnson in an effort to regain his union membership and also for damages for loss of work, which he asserted he was unable to get because of his expulsion from the union.

The decision, handed down by Judge B. F. Curlier, also directs that Johnson be reinstated in the union as a member in good standing.

Some time after the suit was filed, and before it actually went to trial, a non-suit was granted. Johnson, through his counsel, took the case to the supreme court, which reversed the lower court's ruling, holding in its decision that the union had no right to expel Johnson as it had done, that it had not taken the proper procedure for such action and that he was entitled to a decree re-instating him to union membership.

When the case came back from the supreme court it was before Judge Curlier, and some weeks ago he took testimony for several days in an effort to ascertain the extent to which Johnson had been damaged.

In his decision today Judge Curlier awarded \$4,000 damages, which he said he feels will cover the amount lost by Johnson for lack of work. The court awarded no exemplary damages, stating in the decision that the actions of Johnson did not warrant him receiving punitive damages.

Construction operations served by International motor trucks are illustrated and described in a revised edition of the publication "On Jobs Like These," prepared by the International Harvester Co., 606 South Michigan Ave., Chicago, Ill.

RENO HOSPITAL CONTRACT AWARD LANDS IN COURT

A temporary injunction restraining the board of trustees of the Washoe county (Nevada) public hospital from awarding the contract for the new hospital building to J. C. Dillard of Reno, Nev., at a price of \$198,997 when the K. E. Parker Company of San Francisco, put in a bid of \$184,800, was issued by Judge B. F. Curlier, following filing of a suit by a number of taxpayers.

The plaintiffs in the case are W. L. Samuels, Eliza Hill, Ralph W. Shearer, Dora R. Shearer, L. A. J. Rose, Harry Bony, C. W. Westover, Irene S. Ginnocchio and Edna Lukey, and defendants are the trustees of the hospital, C. W. Nottingham, J. La Rue Robinson, Wm. McKnight, Mrs. Frank Humphrey and E. C. Mulcahy.

As taxpayers, the plaintiffs set out that the board of hospital trustees advertised for bids for the hospital after submitting plans and specifications to bidders, and that the K. E. Parker Company bid \$184,800, and that J. C. Dillard bid \$198,997.

The board has threatened to reject the low bid of the Parker company, the complaint charges, and to accept the Dillard bid, and it is alleged that the board has no authority to award the contract to the higher bidder, Dillard. It is charged that the taxpayer of the county will have to pay at least \$14,197 in excess of the lowest bid if the contract is awarded to Dillard.

The suit asks an injunction to prevent the award of the contract to Dillard, and Judge Curlier issued a temporary restraining order, returnable August 7, at which time the board will be required to show cause why the injunction should not be made permanent and why the lowest bidder should not be awarded the contract.

At the time the contract was awarded (July 25) it was said that the board had eliminated a number of features from the plans which permitted the Dillard bid to be accepted, and that under the circumstances it was able to give the work to a local contractor, who would use local labor to a great extent as well as locally made materials.

John S. Sinal, attorney for the plaintiffs, said that the suit is for the purpose of preventing the hospital trustees from spending \$14,000 more than necessary for the structure.

According to word from Chicago, officers of the Western Electric Company Hawthorne plant announced a decrease in working hours to five days a week and a half day reduction in salary, amounting to approximately 9 per cent. All officers and employees, numbering 60,000 throughout the Western Electric system, are affected.

RECENT DEVELOPMENTS AFFECTING STATUS OF TRADE ASSOCIATIONS

At a dinner of American trade association executives held in Atlantic City on April 30th, there was read a message from the President of the United States, to those attending.

In the message President Hoover quoted the foreword to a bulletin on trade association activities, written by him as Secretary of Commerce. The foreword stressed the valuable contribution to economic progress made by trade associations; a contribution whose actual and potential value was stressed again. In July by action of the President's Emergency Committee on Employment in calling upon trade associations to co-operate in stimulating employment during the present emergency. The foreword read in part:

"Trade associations, like many other good things, may be abused, but the investigation of the Department of Commerce shows that such abuses have become rare exceptions. Within the last few years trade associations have rapidly developed into legitimate and constructive fields of the utmost public interest, and have marked a fundamental step in the gradual evolution of our whole economic life."

To those present, however, the overwhelmingly significant part of the President's message was the last paragraph, which, referring to the opinion expressed in the foreword, read as follows:

"No facts have come to my attention which would cause me to change the opinions expressed at that time. Rather every development of industry renders trade associations more essential to sound development of our economic system."

A Timely Endorsement

The outstanding significance of the President's concluding paragraph was due to a number of events which had occurred within recent months. These had aroused throughout business circles a serious question as to whether the trade association movement would be able to continue to develop its usefulness to business and the public; whether it might not even be shorn of its present usefulness. The President's endorsement proved both timely and heartening, but since then new links have been added to the chain of events that had caused the original disquiet. At present the future of the trade association movement is considered by association members and executives, as more uncertain than it has been at any time since the President, during his early years as Secretary of Commerce, earned the title of "Father of the Trade Associations" by the encouragement he and his Department gave to the widespread organization of business men into co-operative groups.

One of the earliest of the events leading up to the present situation was an address by William D. Mitchell the Attorney General of the United States. The address was widely interpreted by business men to mean Mr. Mitchell believed certain trade association practices that had grown out of the encouraging attitude of the Harding and Coolidge administrations were in conflict with the anti-trust laws which, regardless of their wisdom, it was his duty to enforce. Practices that undoubtedly had benefited the public and the industry, were, it seemed, to be brought into question.

Other events quickly followed. The Bolt, Nut and Rivet Manufacturers' Association was halted before a federal

court in New York and dissolved under a "consent" decree. The General Trade Commission threw out virtually all of the American Petroleum Institute's code for marketing petroleum and its products. The event, however, which did more than anything else to focus public attention and bring into the limelight the whole subject of the future of trade associations and the influence of the anti-trust laws upon their future, was the suit or dissolution brought in March by the Department of Justice against the Sugar Institute, whose membership comprises the cane sugar refiners of the United States.

The Sugar Institute was organized in 1927 with the encouragement of the Department of Commerce. The code of ethics under which it operated was worked out in conference with the staff of the then Attorney General. The Department of Justice approved the code, reserving freedom of action should the operations under it appear to bring about an unlawful restraint of trade. At the time when this approval made possible the organization of the Institute the cane sugar industry was admittedly in a demoralized state, due largely to destructive competition involving unethical and un-economic. If not unlawful practices. It is generally admitted that the Institute's activities have greatly benefited the industry, and the price of sugar to the consumer is lower than it was when the Institute was organized. The Department of Justice holds that in spite of any benefits that have resulted, the Institute's activities have constituted a restraint of trade declared unlawful by the Sherman Act.

Anti-trust Laws in the Spotlight

The idea that the anti-trust laws in their present form may, under certain conditions, be a detriment rather than a help to economic progress, against rather than in the interest of the public, is not new. The pros and cons have been widely discussed for several years, but the action against the Sugar Institute served to bring public discussion to a head and give it new force and pertinence. Other practically concurrent or succeeding events have contributed to the same result. A proposal for modification of the Sherman Act has been endorsed by the National Manufacturers' Association. Modification of the Act was one of the leading topics at the recent convention of the United States Chamber of Commerce.

Still more recently the Federal Trade Commission has issued to the industries concerned its revisions of eighty trade practice codes. The revisions have been met with general criticism on the ground that many of the rules have been thoroughly emasculated. The Washington group of trade association executives passed a resolution deploring the action of the Commission and recommending that industries proceed with their trade practice agreements without benefit of the Commission's approval.

On the other side of the ledger must be set down the fact that the Commission has rescinded its previous action in throwing out the trade practice code of the American Petroleum Institute and has approved the code almost in its original form. While this does not affect the fundamental difficulties of the industry in so far as over-production is concerned, nor sub-

sequent action of the Department of Justice if in its view operations of the code work out as a restraint of trade prohibited by the Sherman Act. It is considered a constructive step.

Practically all of the now widely prevalent conviction that the anti-trust acts should be amended is based not on the provisions dealing with trusts, monopolies, and oppression of competitors, but with that part of the Sherman Act which reads "Every contract, combination . . . or conspiracy in restraint of trade or commerce . . . is hereby declared illegal." It is this "every contract" clause with its "no account of whether the restraint is reasonable or in the public interest, that, it is held, encourages destructive competition, over-production and other business ills, and that threatens to restrict if not destroy much of the benefit that has resulted from co-operative group action directed through trade association channels.

Effects of "Every Contract" Clause

This clause, its critics assert, by prohibiting competitors from agreeing to adjust their total production to the "total demand" causes waste of natural resources, and a like waste of finished materials. If it is now interpreted so as to prevent trade associations, representing the concerted action of members, from eliminating unfair and un-economic practices such as handicapped the sugar industry, it is asserted it will deprive industry of the right to apply that self-regulation which is the only alternative to the control of the monopoly or government ownership.

The oil industry is most frequently cited as an instance of the waste for which the Sherman Act is held responsible. The nation's oil supplies are irreplaceable, but with the producers forbidden to agree among themselves to limit their production to the demand, far more oil is being taken out of the ground than is required. In many instances producers are forced to drill whether they want to or not, merely to prevent drillers on adjoining property from seeping the oil from their fields. With the market glutted, sales are made only at ruinous prices.

In connection with the elimination of unfair and unsound business practices, the Sugar Institute is offered as an equally illuminating example by those advocating a change in the laws. Prior to the organization of the Institute certain buyers were frequently able to obtain an unfair advantage over their competitors by arrangements for the splitting of brokerage or warehouse fees, or by forcing a price concession from one refiner or telling him, sometimes untruthfully, that another was offering a like concession. The refiner, who had no way of knowing whether or not the report was true, was forced to make the concession or lose the order.

All of this placed those buyers who were unable or unwilling to use such tactics at a marked disadvantage, and deprived the refiner of his fair margin of profit. To remedy it, the code under which the Institute operates provides that sugar shall be sold without discrimination between buyers, and only upon publicly announced terms and prices. Each member fixes his own prices and terms as formerly, and then reports them to the Institute. The Institute posts them and makes them available to all buyers and sellers. In its code the Institute condemns the splitting of brokerage and warehouse fees, and through its recommendations to its members in specific cases, acts to eliminate the practice. If the Institute's activities are held by the courts to constitute an unlawful restraint of trade, it is pointed out that the industry will be thrown back in the chaotic condition from which it emerged with the adoption of group

action, and with no resulting benefit to the public.

Proposed Amendments

Questioning the effects of the workings of the anti-trust laws is not confined to business. In his last annual message to Congress, President Hoover, while declaring that he did not favor repeal of the Sherman Act, recommended that Congress institute an inquiry into some aspects of the economic working of anti-trust legislation. A resolution aimed toward an investigation of the laws and their enforcement has been introduced by Senator McKellar, and Senator Norris, chairman of the Senate Judiciary Committee, which would probably conduct the investigation, is reported to be not opposed to it.

The majority of business men are in agreement with the President in not favoring repeal of the Sherman Act. What they ask is an amendment that will take into account the reasonableness of any restraint of trade, and whether or not it is in the public interest. It is also suggested that some Federal administrative agency, possibly the Federal Trade Commission, be given the power to approve in advance contracts and mergers involving reasonable restraint of trade, thus enabling those concerned to find out in advance whether their proposed step would be legal, instead of being faced with the possibility of a suit for dissolution after completion of the arrangement which may have involved great expense and long negotiations. This proposal has been advocated for several years by the American Bar Association.

To Study Whole Question

A development which promises to throw additional light upon the relationship between the anti-trust laws the future of trade associations is the study undertaken by the committee on trade improvement of the New York State Chamber of Commerce, of the whole question of the proposed revision or modification of the laws and trade association practices.

In milling study of the question E. C. Miller, acting chairman of the committee, said:

"Our tariff has been fixed to protect American industry from foreign competition and we now need an elastic system which will protect American industry from itself, from the disintegrating influences of reckless competition among ourselves, thereby enabling industry throughout the country to resume operations upon a more reasonable basis of profit. Unless industry can earn a profit it will be unable to give labor employment or to insure wages that are in the least commensurate with the need of workmen.

"If the trade associations were given merely the authority to define trade practices which constitute unreasonable competition, and were able to enforce the observance of such rules against violators, much of this trouble would be relieved. There exists, however, no legal standing for such rules even though formulated and even when approved by the Federal Trade Commission."

The committee is expected to bring in a report with recommendations at the October meeting of the Chamber.

A. J. Simonatis, owner of a building in Los Angeles, installed a heater in his structure without a permit. He was given the preference of staying in jail for ten days or paying a \$50 fine.

Specifications covering Armo spiral welded pipe are given in an engineering bulletin recently published by the American Rolling Mill Co., Middletown, Ohio.

THE OBSERVER

What He Hears and Sees on His Rounds

Accounting methods for counties that give a true picture of county finances were stressed in the meeting of the executive committee of the County Highway Officials' Division of the American Road Builders' Association in Detroit, July 20th and 21st.

No effort to reduce wages in the building trades will be made by members of the National Association of Building Trades Employers, it was announced in New York, yesterday, following a meeting of the Building Trades Council of the United States and Canada. Representatives of the Contractors' Association met the building trades leaders to discuss jurisdiction in interunion disputes. An agreement on this, signed last March, will be in effect for two years.

The scientific study of ready mixed concrete is going forward this year with renewed vigor according to R. Keith Compton, director of public works, Richmond, Virginia, chairman of the committee on central and truck mixed concrete of the American Road Builders' Association. One of the principal studies will be a satisfactory means of depositing the product from the hauling unit to its proper place on the subgrade.

A special committee of the lumber conservation board made public thru the U. S. Commerce Department last Thursday a proposal for reduced lumber production "until a reasonable equation between supply and demand is established." The committee recommended coordination of sale facilities and a combination of inventories among regional groups or those producing identical lumber types. This apparently would necessitate revision of the anti-trust laws. The committee recommended that importers competing with domestic lumber reduce their imports.

The Associated General Contractors of America picture the Wickersham Commission's view on convict labor as at loggerheads with President Hoover's employment relief policy. Edward J. Harding, managing director of the organization, in a formal statement, attacked the commission's statement that prison labor on public works was least injurious to capital and labor and most advantageous to the state.

Better designed and more economically built homes for families with low incomes will result from the work of committees now functioning under the direction of the President's Conference on Housing, according to Wm. Stanley Parker of Boston, fellow of the American Institute of Architects, and chairman of the Committee on Design for the Conference.

In New York a building rising 40 stories from Broadway without a single window has been ordered and planned by Earl Carroll, theatrical magnate. Inside, Carroll plans to provide his own sunlight by using indirect illumination including the same amount of ultra-violet rays as by the sun. The entire 40 floors will be devoted to restaurants, ten of them occupying four stories each and each supplying distinctly national cooking.

One of the largest single bond issues ever proposed for a construction project in the U. S. will be submitted September 29 to the voters in the Metropolitan Water District of Southern California, formed to build the Colorado river aqueduct to bring water from that river to sixteen Southern California municipalities. The bond issue is for 220,000,000.

The State Board of Registration for Civil Engineers has reorganized with H. J. Brunner of San Francisco, president; Donald M. Baker, Los Angeles, vice-president, and Albert Glivan, Sacramento, secretary. Examinations for applicants for licenses to practice civil engineering will be held in October in Los Angeles and San Francisco, the board announces. The board will hold a meeting in Los Angeles August 7. The total registration of civil engineers in the state on July 13 was 5113. Since the law went into effect 589 applications for licenses have been filed. Of this number, 616 were declared ineligible and 55 were returned for various reasons. Applications for renewal of licenses have been filed by all except about 400 engineers registered. July 31 is the last day for filing applications for renewals. June 30 is the close of the fiscal year but an extension of 30 days time was allowed for renewals.

"A new building material consisting of artificial pumice has appeared on the German market, according to a report received in the U. S. Department of Commerce from its Berlin office. Hitherto only natural pumice has been used for building material of this type. Numerous experiments have shown, according to the Germans, that this material has considerable advantage over the natural pumice sand," says a statement issued by the Department. It is claimed to be an excellent fireproof material, and that it can be also used to advantage as a concrete admixture, needing only to be thoroughly moistened to obtain a satisfactory binding with cement. Sheets of concrete using the substance as a component are produced in thicknesses of 10 centimeters and can be easily cut out and shaped. It is also said to be a good base for linoleum. The main use intended for the new material is in the manufacture of hollow blocks. As it is reported to be cheaper and lighter than brick, the German building trade anticipates that its use will be of considerable economic advantage."

An agreement of the bricklayers' carpenters' and electrical workers' international unions for the quick adjustment of any jurisdictional differences which may arise among them, and for "other matters" has been made, says the A. G. C. Constructor. The plan, one of its sponsors states, provides that there shall be no strikes and workmen must not quit at any time; the presidents of the three groups apparently being the factors to whom all disputes must be submitted. These three unions are the chief groups which did not enter into the agreement setting up The Board of Trade Claims.

The three groups also, it is said, will unite in forcing compliance with the federal law respecting the payment of the prevailing rate of wages to men working on government construction.

INDIVIDUAL LICENSE O. K. FOR STATE WORK

Construction firms that hold individual licenses in California need not take out joint licenses in order to submit bids for work on California highways, Attorney General Webb rules.

The request for the opinion grew out of the holding up of a contract on 12.5 miles of grading on the Ridge Route alternate highway in Los Angeles County between Gorman and Yiru Creek.

Macdonald & Kahn of San Francisco and Morrison-Knudsen Co., Boise, Idaho, bidding jointly, submitted the low bid at \$459,772.

State Highway Engineer Purcell was of the opinion that the bid was not legal, as the Idaho firm had not properly qualified in California.

\$220,000,000 BOND ISSUE FOR AQUEDUCT

September 29 has been set by the Los Angeles Metropolitan Water Board as the date for an election to vote on the \$220,000,000 bond issue for the construction of the Colorado River Aqueduct.

According to F. E. Weymouth, chief engineer, engineering surveys and data have been completed and an immediate start will be made as soon as the issue has been voted and the bonds sold. The first work to be done will be the sinking of shafts in connection with the tunnel work through the San Jacinto mountains near Banning where the main bore will be thirteen miles in length.

The aqueduct will be 266 miles in length, including a terminal storage reservoir in Cajalco Hills and a diversion dam at Upper Parker Canyon. The aqueduct proper will embrace both steel pipe and uncovered sections.

The chief engineer states that if satisfactory bids can be obtained contracts will be let for certain parts of the work. Otherwise, it is presumed, he will do the work by day labor under his own supervision.

WAGES HOLD UP BETTER IN JUNE

Wages held up far better in June than in May, with only 25,645 workers receiving reductions, as against 46,377 in May, according to the U. S. Department of Labor.

Two hundred and ten establishments cut wages in June against 293 in May.

The figures showed that during May, 20 food establishments, 34 textile plants, 39 iron and steel mills, 27 lumber companies and 19 fertilizer plants effected wage reductions.

Employment in manufacturing companies for June was 2.6 per cent down, with payrolls of 6.2 per cent, the Department reported.

BRIDGE DISTRICT TO LEVY 2-CENT TAX

Faced with a shortage of funds, due to the delay in marketing bonds, directors of the Golden Gate Bridge and Highway District will levy an additional tax of 2 cents per \$100 assessed valuation. The tax, it is estimated, will raise \$166,000. San Francisco would pay 85 per cent of the money.

This action, the directors asserted, was taken to protect the district against financial embarrassment in the event that further unexpected delays are encountered in determining the validity of its bonds. The district, they explained, needs the money to pay its manager, attorney, publicity man, office expenses, etc.

ROCKEFELLER ASKED TO STOP WAGE CUTS

Matthew Woll, vice-president of the American Federation of Labor, has appealed to John D. Rockefeller, Jr., to intervene in the proposed wage reduction to be put into effect by the Colorado Fuel and Iron Company, a Rockefeller-controlled industry.

"It is, indeed, unfortunate," he said, "that the Colorado Fuel and Iron Company should have succumbed to a like error and should have been concerned alone in reducing wage cuts. With so many significant public benefactions to the credit of John D. Rockefeller, Jr., it is almost unbelievable and certainly most regrettable that his influence has not been brought to bear to stop the wage reduction policy put into effect by this company."

RUSSIA 5-YR. PLAN SAID TO BE SUCCESS

A simple answer as to why the five-year plan will succeed in Russia is given by Charles Butterworth, home on a vacation at Newcastle, Ind., after more than a year in the Soviet country, where he was employed as an engineer.

"The plan will succeed," Butterworth said, "because anything that they have at the end of five years, or any given period will be just that much more than they started with. In fact," he added, "four or five consecutive five-year plans should succeed there."

Butterworth, who worked in a large tractor manufacturing plant, said he planned to return to Russia late in July.

REVISED LUMBER RATES IN EFFECT

Effective July 15, a complete revision of rates on lumber, shingles, box shoo and other forest products, with reductions ranging from 1 to 9 cents a hundred pounds, has been made from Portland, Ore. and south to California. New rates from stations north of Portland are also being worked out. With the reductions go re-groupings of commodities to conform with present transcontinental commodity groups.

The California section of the rate book can not be reissued until the new rates from stations north of Portland are received under P. F. T. B. Tariff No. 80.

The Traffic Service Corporation announces that to stations in Southern California an alternative basis of rates, using a lower rate with higher minimum weight, will become effective. For example, to Los Angeles, a rate of 49½ cents on shingles, and 42 cents on lumber and box shoo will be applicable from Portland group, with a minimum weight of 50,000 pounds.

Committee reports have been outlined by the American Road Builders' Association for presentation at the January convention and road show to be held in Detroit, Mich., as follows: uniform accounting, purchasing equipment practices, specification forms, state aid extension methods, a county manual of planning, standard legislation enabling acts, aerial photographs, widening and reconstructing highways, surface treatment specifications and construction methods, and methods of promoting bond issues.

FINANCING OF LOW COST ROADS CITED

The financing of low-cost roads which include a large mileage of state, county, township and city highways was discussed by D. R. Lamson in a committee report of the American Road Builders' Association.

In planning extensions of our national highway system, low-cost construction has become an important factor in decreasing the vast mileage of unimproved highways. In the future, it must play an even greater part if a continuous transportation system is to result.

The following suggestions summarize the most recent practices in low-cost road construction:

1. Highways of general motor use should be financed by users of the highway-gasoline tax and registration fees.

2. Highways of local use only should be financed, in part at least, by local taxes or special assessments, limited by the benefits resulting from the improvement.

3. When there is an urgent need for highways and a fixed income exists, bonding is recommended. After the initial construction is completed, programs may be carried on by use of current funds, and in special cases augmented by small bond issues.

4. Funds for construction of low-cost roads can be greatly increased by the elimination of much unproductive mileage.

5. Consolidation of poorer, sparsely populated counties will combine resources and make funds available for necessary highway improvements.

6. With approximately 2,000,000 miles of highways in the United States yet to be improved, the popularity of low-cost road construction will increase rapidly, the proportion of funds which should be used on this construction can only be determined by careful transport surveys.

7. Township and highway districts within counties should be eliminated as highway supervising units—these highways should be administered through efficient county highway engineering departments.

8. The state aid system, which should comprise the county trunk-line system, should be financed by state and local funds and supervised by the state.

9. When the state system has been improved sufficiently to satisfy transportation demands for passable connecting highways, county trunk highways should be selected to receive a portion of state funds for construction.

10. Where county financing is done by bonding, serial bonds should be utilized with a retirement period not to exceed 20 years. The bonds should be sold as the proceeds are expended.

11. As approximately 75 per cent of highway construction costs go to labor, the construction of necessary highways in outlying regions is particularly recommended. Construction activity of this nature does not remove labor from its source and furnishes relief in areas where it is most needed.

Donald C. McMillan has tendered his resignation as city engineer and superintendent of streets of Ventura to take effect October 1. The city council deferred action on the resignation. In a published interview Engineer McMillan stated his action was taken to relieve council of any embarrassment in acting on recommendations that had been handed to that body proposing to practically do away with the engineering department.

S. F. Engineer Wins Russian Recognition

Soviet Russia, has awarded to a San Francisco engineer a prize of 600 rubles for his plans for refrigerating apparatus and storerooms.

He is Charles W. Dombitsky, 439 Bryant street. His plan was submitted in a competition sponsored by the Amtorg Trading Corporation of New York, the Soviet authority in America.

"I am more pleased with the thought that American ideas formulated the plans and California is getting the credit, than with this monetary reward I received," Dombitsky said.

The prize of 600 rubles amounts to \$304.74.

Dombitsky's plans covered construction of three different sizes of buildings. They will be adopted for the erection of numerous refrigerating storage plants in Russia for the preservation of meat, poultry, vegetables and other perishable commodities.

Dombitsky is a member of the American Society of Refrigerating Engineers and a former president of National Association of Practical Refrigerating Engineers. He received his education in the Railway Engineering College, in Odessa, and has been in America since 1911.

FULL-WIDTH BRIDGES ADVOCATED FOR SAFETY

It is false economy to build bridges too narrow for the safety of modern high speed traffic and culverts should be long enough so that the traveler does not see that he passes, according to H. G. Shirley, vice-president of the American Road Builders' Association.

"For safety, all bridges should be at least as wide as the traveled way," Shirley says. "Through bridges that have trusses on either side to support the roadway are not easily widened. There is a tendency among engineers, where conditions warrant, to build deck bridges with the floor on top of the trusses so that the roadway can be easily widened. For smaller bridges, deck construction with beams instead of trusses is used.

"Culverts should be long enough to be unnoticed by the traveler as he passes. They should be large enough so that the land along the road will not be flooded. Culverts are built for utility and decorative headwalls are usually out of place and a menace to motor drivers."

TIE-UP OF GRAVEL PIT PROMPTS SUIT

Suit for \$675,000 damages has been filed against the city of Santa Monica by the Los Angeles Rock & Gravel Co., because the city prevented it removing approximately 900,000 cu. yds. of gravel from property which it had leased for that purpose.

The company states in its petition that the property was leased July 21, 1923, and that in November following the courts allowed an injunction asked by the city against operation of a gravel pit.

The case was appealed to the California supreme court which recently handed down a decision holding that the injunction was improperly issued. In the meantime, the company charges, the lease expired and it was deprived of the profit which would have accrued from sale of the gravel.

Standard Plumbing and Heating Co. has been admitted to membership in the Contra Costa County Builders' Exchange.

TRENDS IN HIGHWAY BRIDGE CONSTRUCTION

During the past 10 years highway traffic has increased enormously and structures must be widened, rebuilt, or abandoned to ease up on approach curves or lengthen vertical curves, according to a report of the American Road Builders' Association.

Traffic may reasonably be expected to increase during the next several decades and it seems advisable to design substantial structures which can be altered for future traffic requirements with minimum expense. An attempt is being made to provide in some measure for future demands as indicated by the following trends of practice:

1. Existing bridges are being widened.

2. New bridges are being made from 4 to 10 ft. wider than in 1925.

3. Steel I-beams are being used to a greater extent in several ways:

(a) In the place of pony truss spans in lengths up to 30 feet.

(b) Instead of reinforced concrete spans.

(c) Instead of creosoted timber for stringers and caps on creosoted timber pile bents.

(d) In the place of plate girders, both deck and through.

4. Concrete floors are being used for all kinds of bridges.

5. Roadways are being made 24 ft. wide for 2 lanes of traffic.

6. Raised or high curbs and very much stronger railings are now being made.

7. Improved alignment is sought consistent with speeds of 45 to 60 mi. per hour.

8. Roadways are being kept clear of obstructions to a greater degree than ever before. The underpass with pier in the roadway is condemned as dangerous.

9. The alignment, grade, sight distance, width of roadway, low crown on tangents, and proper superelevation for curves are being made for safety at speeds of 45 to 60 mi. per hour.

10. The live loads used for designing bridges have been increased from 15-ton trucks to 20-ton trucks by several states to care for heavy single units and combinations of several heavy units in trains from 60 to 80 ft. long. Some of this traffic will reach secondary roads.

11. The clear height of roadway opening for truss spans has been increased from 14 to 15 ft. and even 16 ft. The portal brackets and similar encroachments are being removed from present bridges and avoided in new structures.

Where it is probable that a structure of any kind may be abandoned within 10 or 15 years, it is well to build it of low cost materials which easily will last that long, rather than invest in an expensive type which will be abandoned before it is worn out.

Timber substructures of treated piling are low in first cost, of long life, and if abandoned, the loss in funds invested is small. Steel construction or creosoted timber construction can most easily be altered and with maximum amount of salvage. Floors on steel joists or creosoted timber joists can be of either wood or concrete.

Common Brick Mfrs. Association of America, Cleveland, Ohio, has issued Vol. 2 of its handbook, "Brick Engineering," which covers the design and construction of brick buildings. The author is L. B. Lent, chief engineer of the association. The book is illustrated by charts, diagrams and halftones and is handsomely bound in flexible composition.

FULLER COMPANY TO EXTEND PENSION PLAN

After carrying their own employees' pension provisions for nearly 10 years, W. P. Fuller & Co., pioneer paint manufacturers on the Pacific Coast, have placed their pension plan with the Metropolitan Life Insurance Company. The plan gives credit to all employees for past service to August 1, 1931, at the rate of 1½ per cent of salary per year.

W. P. Fuller and Company are paying the entire cost of over 11,000 years past service. To fund this past service and to build up proper reserves W. P. Fuller & Co. asked the Metropolitan to place their pension plan in its annuity department.

A non-compulsory contributory plan has been decided upon. Employee contributions after August 1, 1931, for future service credit at the rate of 1½ per cent of salary per year, will pay about 45 per cent of the total cost of the pension annuities, with W. P. Fuller & Co. paying the balance. The retirement age for men is 65, for women 60. Upon retirement an annuity is purchased for the employee and he is guaranteed a set net income for life. Included in the plan is also \$500 death benefit.

W. P. Fuller, Jr., president, who announced the change, said that the offer of the plan to the company's 1500 employees has met with a high percentage of acceptance.

"Our study of the pension problem has convinced us that a part of the cost must be paid by the employee and that pension funds, whether contributed by employee or employer, should be completely and permanently segregated from the company's other funds," Mr. Fuller said. "These decisions, which have been incorporated in the revised plan, are in agreement with the decisions of many large corporations over the country which in recent years have established or revised their pension plans."

REINFORCING STEEL BAR SIMPLIFICATION

The division of simplified practice of the National Bureau of Standards, has just announced that the revised simplified practice recommendation R20-30, covering steel reinforcing bars, is now available in printed form and may be obtained from the office of the Superintendent of Documents, Government Printing Office, Washington, D. C., for 5 cents a copy.

The original recommendation was instrumental in reducing the number of cross-sectional areas of bars from 32 to 11, or approximately 65 per cent. Under the revision, the cross-sectional areas are to be expressed in hundredths, instead of thousandths, of a square inch. It is expected that this will further simplify the work of engineering design where reinforced concrete is used.

Paul Schmidt, operating the Keystone Lumber Co. of San Bruno, is recovering from bruises and cuts received in an automobile accident on the Bayshore Highway last Tuesday. John Schyf, San Bruno contractor, riding with Schmidt escaped injury.

Industrial expansions in San Francisco during the first six months totaled 27, a gain of 50% over the same period a year ago. New industries reported during the first six months totaled 51, compared to 61 for the same period last year. June expansions numbered two and new industries totaled six.

USE OF CONVICTS ON PUBLIC WORKS PROTESTED BY A.G.C.

Taking issue with the statement contained in the latest report of the National Commission on Law Observation and Enforcement that the employment of prison labor on public works is most advantageous to the state and least injurious to outside capital and labor, and to the recommendation for its adoption, the Associated General Contractors of America, through its managing director, Edward J. Harding, declared that the premise is entirely without foundation and the recommendation in direct opposition to the relief policy of President Hoover and his administration.

Mr. Harding pointed out that it was to public works construction that President Hoover and Congress turned as a means of relieving unemployment in the present depression and that any suggestion to turn the work over to the convicts was most unfortunate at this time.

"There is absolutely no foundation for the statement of the Wickersham Commission that prison labor on public works is most advantageous to the state and least injurious to outside capital and labor," Mr. Harding said. "The experience of practically every governmental agency that has experimented with convicts on construction has proved it to be wasteful and uneconomical and the cause of inevitable wage-cutting and ruinous competition within the industry."

Recognizing these dangers, Mr. Harding said, Secretary of Agriculture Arthur M. Hyde on December 29, 1930 ruled that no part of the emergency Federal aid highway appropriations for unemployment relief could be assigned to any project upon which convict labor was to be used. The sit-

uation, and if the recommendation of the Wickersham Commission was to be carried out, between 200,000 and 300,000 free workmen probably would be thrown out of employment in favor of the convicts.

"The Commission in its report also makes the erroneous statement that no great expenditure in equipment or machinery is necessary in road building," Mr. Harding said. "Anyone who has any knowledge at all about road-work knows that economical and quality construction requires a large investment and continual reinvestment in modern equipment. It is such an important consideration that awarding officials invariably require a statement from bidders as to what equipment they have available, and not infrequently refuse to entertain a bid because the contractor's equipment is not suitable for the job."

He pointed out that the state of Virginia, which makes extensive use of convicts on road work, had during the fiscal year 1930 \$1,832,000 worth of equipment to handle \$3,777,000 worth of work by prison labor.

Mr. Harding heartily commended that part of the report suggesting a varied program of prison labor and stated that no one field of industry should be forced to carry the whole load. As was pointed out in the report of the commission's advisory committee, he stated, reforestation and the reclaiming of waste land offer the greatest non-competitive field for convict labor and should be developed for that purpose. The Associated General Contractors of America advanced such a plan last January and are actively crusading for its adoption as the most practical solution to the prison labor problem.

serting the invalidity of a provision therein.

Case Cited

The rule is stated in 19 R. C. L. under the heading of "Municipal Corporation" at section 350, as follows: "While the power to contract is inherent in every municipal corporation with respect to any subject matter within its corporate powers, the doctrine of ultra vires has, with good reason, been applied with greater strictness to municipal bodies than to private corporations, and, in general, a municipality is not estopped from denying the validity of a contract made by its officers, when there has been no authority for making such a contract." It is further provided at section 351 at 19 R. C. L.: "It has frequently been held that when a municipal corporation has entered into and performed a contract which, although ultra vires, was not prohibited by law, the other party to the contract cannot take the plea of ultra vires to escape liability and to retain the benefits received under the contract."

This cites *Belfast v. Belfast Water Company*, 19 Atl. Rep. 738, L. R. A. 1917D 908; *St. Louis v. Davidson*, 14 SW 825, 22 S. R. 764.

Competent Labor

In addition to these authorities I have considered the effect of such a provision in state specifications as controverting section 5, article 8 of the constitution prohibiting the credit of the state from being loaned to or in aid of any individual, association, company or corporation, and of section 9 of article 12 of the constitution likewise prohibiting the loan of state credit. Under the cases of the Washington supreme court on these constitutional provisions there is not in my opinion any unconstitutional ground in making such a specification as above indicated because under the general authority vested in the state and in various departments, it is not against public policy to provide in any manner necessary for securing competent and skilled labor and it is readily recognized that inadequately compensated laborers will not perform such services. In fact, the state itself has had such an experience with free labor when it endeavored to employ convicts upon highway construction work under specific statutory authorization.

You are, therefore, advised that, in our opinion, there is no legal grounds prohibiting the inclusion of a specification which declares an existing emergency requiring the state to control the minimum of wages in order to secure competent labor and specifying what such minimum shall be.

State Has Legal Right to Fix Minimum Wage Scale for Workers

At the request of the Western Public Works Contractors' Association, Attorney Thomas Harlan of the Seattle law firm of Roberts, Skeel and Holman, submitted the following opinion with respect to the state's right to prescribe minimum wage scales for employees on state contracts:

You ask whether there may be legally inserted in the state highway contracts a specification fixing a minimum wage scale for employees performing labor under such contracts.

Preference Given Soldiers

Each of the provisions found in the state highway contracts for preference to be given ex-soldiers and for limiting employment of labor to eight hours has back of it a specific statutory authorization. The general authority for awarding state contracts is found in section 6767 of Remington's compiled statutes and provides that upon approval of the maps, plans and specifications, the highway director shall advertise for bids and award the contract to the lowest and best bidder. There is not in any of the provisions of the state highway code, a prohibition or limitation upon controlling wages, nor is there anything inconsistent in the existing standard specifications of the state of Washington for road and bridge construction work.

The provisions for an eight-hour day are found at section 7.01 on page 12 of the standard specifications, to which you can make reference. Those, with respect to employment of soldiers are

found at section 7.02 on page 13 thereof. In addition to these, under section 8.05 under the heading of "Annulment of Contract" there is a provision that should the contractor at any time refuse or neglect to supply a sufficiency of properly skilled workmen, the director may, at his option, cancel the contract.

Director Has Power

This provision will authorize the director to insert a new specification, defining what shall constitute a minimum of skill for workmanship, and it may be provided therein that a living wage is recognized as a prerequisite for securing such skill and may specify what is a minimum wage to be paid under existing emergencies for the present biennium.

Under authority of Jones v. The City of Centralia, et al., 157 Wash. 194, and prior Washington cases on the same point, the attorney general is the only public officer who may question wrongful expenditure and by such decisions a taxpayer is prevented from so doing. Therefore, the question of the validity or invalidity of such an inclusion in a public contract would be limited either to inquiry by the attorney general or to complaint of the contractor executing a public contract in which the same is included.

With respect to the contractor the authorities indicate that having had an opportunity to inspect the specifications and having entered upon the contract, he will be stopped from as-

SPEED HAS CHANGED ROAD REQUIREMENTS

Many roads have just grown up with the country and as these roads built for travel at low speed evolved into paved roads little change was made in the location.

"Modern high speed traffic demands revision of such low speed roads," states R. G. Browning, chairman of the road location committee of the American Road Builders' Association.

"A car traveling 60 miles an hour passing a car at 45 miles an hour will encroach on the left lane of traffic for a distance of 468 feet. A road safe for passing cars on its entire length must be straight enough and have the tops of hills rounded so that a driver can see at least 500 feet ahead. Many old locations fail to meet this condition," concluded Browning.

PROTECTED AREAS MULTIPLY SAYS PITTSBURGH ARCHITECT

Protected neighborhoods and communities are being created through changing tendencies in the subdivision of land, according to Frederick Bigger of the Pittsburgh Chapter of the American Institute of Architects.

"Originally the land subdivider marketed lots, just lots and nothing more," says Mr. Bigger. "Later the subdivider came to the point where he had the water, sewers, paving, and even the lighting, installed prior to the sale of lots. In other words, subdividers began by selling land, and later they sold a group of buildings sites. A relatively small number of persons went even further, and added houses as the final part of the first undertaking. They were pioneers.

"There are still pioneers in this field. Today, more is being created than mere sites. Something is happening which shows the exercise of intelligence and effort. Protected communities are now appearing. Even social organization may be a possibility through a continuation of this definite and thoughtful planning.

"If architects are to make an additional contribution of something of value to their communities, they will lay aside, temporarily at least, the idea of doing something dramatic or miraculous. There must be patient investigations and analysis.

"Land subdivision used to be undertaken with the idea that the land could be used for any purpose at all. Slowly another idea has been coming into the picture, the idea that pieces of land by themselves mean very little, while a piece of land with a building upon it is an entity, a physical element in the makeup of our communities.

"The process of land subdivision and the method and manner thereof are of interest to several groups of people. It is of interest to the owners of property because of the desire for profit arising out of the sale of land. The officials of local governments are likewise affected because they have an obligation to control or supervise the subdivision of land in so-called 'plans of lots.'

"Taxpayers are vitally interested in subdivision because they have a definite stake in those community expenditures and responsibilities that are reflected in their taxes. Architects have two reasons for giving strict heed to subdivision problems. First, it is the process which provides and fixes the sites for the buildings they

are to design, and then, because the costs of land subdivision and of development use up so much of the financial resources which the architect might otherwise draw upon to produce a better building.

"The political element in subdivision must not be overlooked. The municipal government is not a profit-making agency. Officials are selected for political reasons. They are not selected ordinarily because they are competent executives, trained economists, or capable technicians. On the other hand, the thing that distinguishes business is that it is organized for the express purpose of making profit.

"Instead of seeing the simple truth that the public interest and the private interest often pull in opposite directions and must be reconciled, we resort to 'hokum,' panaceas, and flag waving.

"Another phase of the situation which must also be considered is the significant phenomenon of industrial civilization known as 'mass production.' Housing has never been absorbed into the mass production process. When a family becomes dissatisfied with its home, there is no opportunity to send it back to the producer and receive in return a 1931 model. When houses become decrepit, we cannot scrap them like obsolete machinery and replace them with up-to-date dwellings.

"There is increasing technical competence being shown in city planning. Some of these plans remain largely ineffectual. We watch young people succumbing to the sales patter of the 'own your own home' campaign. All the time we know the values of their newly acquired homes are at the mercy of manipulated changes in the neighborhood environment of those homes. We know that too easy breakdown of zoning protection seems to be due to the same causes as futile planning.

"Whatever the causes for failure of planning and zoning, there is a movement afoot to achieve better planning in spite of past hindrances. Planning agencies are trying to control land subdivision and the use of land, to the end that private land may be properly built upon to the advantage of the community, and that public land may be adequate in all respects for the service of the people who occupy the buildings."

According to the bureau's reports—the only comparative data on wage cuts—the number of wage-cutting firms and the number of employees affected have grown steadily since early in 1930 and, beginning with January, 1931, have accelerated with unprecedented rapidity. An apparent decline in the number of wage cuts during March and April led optimists to believe in a favorable business picture had checked the trend. May figures, however, established a new record in the number of employees whose pay has been reduced.

Since the first of the year, 1,226 of the 13,000 firms reporting have cut wages of 175,000 employees.

Bureau of Labor Statistics data for June show for 15 industrial groups, employment dropped 2.0% from May, while payroll totals declined 4.5%.

Increased unemployment, seasonal, was shown in but 3 of the 15 groups—canning and preserving, laundries, dyeing and cleaning. Others showed employment decreases ranging from 5.2% for anthracite mining to 0.4% for power, light and water.

For manufacturing industries alone, employment dropped 2.6% and payrolls 6.2%. Of the 12 groups comprising this classification just one—foods—showed increased employment and one other—tobacco products—showed increased earnings. In all others, both employment and payrolls declined.

Payrolls have declined more sharply than employment. Whether this portrays the effects of wage cutting or increased part-time employment, is uncertain but either interpretation lends emphasis to the belief that next winter is going to be particularly hard.

A survey just completed in New Haven, Conn., by the Russell Sage Foundation found 12,000 persons, or 13% of those able and willing to work, unemployed. That is more than twice the number of jobless workers found in the federal census in April, 1930, and may be typical of the change in employment conditions since that time.

Employment figures for New York state show the most severe losses in both employment and payrolls from May to June that have ever been recorded. Employment declined 3.0% and payrolls 5.2%. The average weekly earnings of factory workers dropped to \$26.34, a loss of 62c since May, and are now at the lowest level since early in 1923.

The recent report of the Department of Agriculture reveals that while wages paid to farm labor usually advance from April 1 to July 1, this year they declined during that period and are now at the lowest level recorded in the past 15 years.

With all of these indications of the ever increasing severity of unemployment and the very pressing need for adequate relief next winter, labor and social leaders throughout the country are becoming more and more determined in their efforts to get government—both state and federal—to assume responsibility for a condition which they claim is now beyond the control of individual efforts.

WAGE CUTS AND UNEMPLOYMENT GROW—UNION LABOR IS DEFIANT

Labor leaders do not agree with official pronouncements from Washington that wage cutting has been generally abandoned, that employment conditions are improving, that there is no cause for unusual concern for approaching winter months, says The Business Week.

At a meeting of the Longshoremen's International Union, William Green, president of the American Federation of Labor, made a forceful speech.

About wage cutting he said: "This subject is not debatable with the A. F. of L. We are not even open-minded about it. The A. F. of L. will not stand a reduction of wages and we are going to oppose it with all our might and vigor."

About unemployment: "Our nation has never faced such a test before.

While we wait and refuse to grapple with the problem, men go hungry, and social unrest develops. What are we going to do about it? The situation is more serious than appears on the surface but for some reason those in authority refuse to act. In the name of God are we to sit still and do nothing?"

Evidence that there has been no decline in wage cutting is shown in the Bureau of Labor Statistics report for the month ending May 15, latest available. During that month, 293 of the 13,000 reporting manufacturing establishments cut the wages of 46,400 employees an average of 10%. This was the largest number of employees affected, and the second largest number of concerns ever recorded by the bureau.

National Lime Association, 927 15th St. N. W., Washington, D. C., has prepared a 36-page illustrated brochure "Lime Mortar—Its Relation to Watertight Masonry," which directs attention to the problem of leaky masonry and suggests a means of avoiding similar conditions in future construction.

The annual convention of the California Retail Lumber Dealers' Association will be held in Humboldt County August 21, 22 and 23. Delegates to the convention will arrive at Scotia Friday, August 21. Sessions will be held both at Scotia and Eureka.

Building News Section

APARTMENTS

Sub-Bids Wanted.
APARTMENTS Cost, \$40,000
SAN FRANCISCO. Buchanan Street
and Waller.

Three-story and basement frame and
stucco apartments (4 3-room and
one 7-room apt.; tile roof, gas and
steam heating system, etc.)

Owner—C. McGowan, % architect.
Architect—Chas. Strothoff, 2274 15th
Street.

N. H. Sjöberg & Son, room 632, Call
Bldg., general contractors, desire sub-
bids on all portions of the work in
connection with above, for which gen-
eral contract bids are to be opened
August 6, 12 Noon.

Plans Completed.
APARTMENTS Cost Approx., \$60,000
SAN FRANCISCO. SW Clay St. and
Freeman Court.

Five-story and basement Class C
apartments (steel frame, brick and
concrete construction) (6 3-room
and 20 2-room apts.; tar and
gravel roof, steam heating system)
Owner—H. Riley, 958 Powell St., San
Francisco.

Architect—N. W. Sexton, 1606 deYoung
Bldg., San Francisco.

Completing Plans.
HOTEL-APTS. Cost, \$135,000
ALAMEDA, Alameda Co., Cal. Web-
ster and Haight Sts.

Four-story frame and stucco apart-
ments (110 rooms; one-story rein-
forced concrete garage).

Owner and Builder—J. C. Martin, 1437
Fifth St., Alameda.

Plans by Owner.
Sub-bids will be asked within a few
days.

Sub-Bids Being Taken.
APARTMENTS Cost, \$40,000
SAN FRANCISCO. NE Webster and
Beach Streets.

Three-story and basement frame and
stucco apts. (six 3-room and six 4-
room apts.)

Owner and Builder—Viggo Rasmussen,
1900 Jefferson Street.

Architect—R. R. Irvine, Call Bldg.
Electric refrigeration, oak floors,
special sound deadening in floors, tile
baths and showers, canvas walls,
steam heat (oil or gas burner) glazed
tile floor in lobby.

Prospective Bidders.
APARTMENTS Cost, \$250,000
OAKLAND, Alameda Co., Calif. 365
Perry Street.

Nine-story class A reinforced concrete
apartments and stores (56 2- and
3-room apts.; 1 5-room apt.; vac-
uum steam heating).

Owner—L. J. Newton, 1130 First Ave.,
Oakland.

Plans by Thomas Keenan, 1440 Broad-
way, Oakland.

Following contractors will submit
bids:

H. J. Christensen, Ray Bldg., Oak-
land.

F. J. Wallace, 359 Grand Ave., Oak-
land.

E. T. Leiter & Son, 811 37th Street,
Oakland.

R. W. Littlefield, 337 17th St., Oak-
land.

K. E. Parker Co., 135 South Park,
San Francisco.

G. P. W. Jensen, 320 Market Street,
San Francisco.

L. C. Larsen, 2501 63rd Ave., Oak-
land.

Bids are to be opened Aug. 7th.

Plans Completed.
APARTMENTS Cost, \$32,000
SACRAMENTO, Sacramento Co., Cal.
Thirty-seventh and J Sts.

Two-story and basement frame and
stucco apartments (12 2- and 3-rm.
apts.); composition shingle roof,
air cooling system, tile baths and
kitchens.

Owner—S. Lindroth, 37th and R Sts.,
Sacramento.

Architect—Jens C. Petersen, 812 26th
St., Sacramento.

Bids will be asked in about ten days.

Plans Completed.
APARTMENTS Cost, \$32,000
SACRAMENTO, Sacramento Co., Cal.
37th and J Sts.

Apartment (12 2- and 3-room apts.)
Owner—S. Lindroth, 37th and R Sts.,
Sacramento.

Architect—Jens C. Petersen, 812 26th
St., Sacramento.

Concrete Contract Awarded.
APARTMENTS Cost, \$—
SAN FRANCISCO. SW Gough Street
and Broadway.

Six-story and basement steel frame
and concrete apartment building.
Owner and Builder—Mrs. Joie Enni-
cios, 135 Darien Way.

Architect—H. C. Baumann, 251 Kear-
ney Street.

Concrete—Mission Concrete Co., 270
Turk Street.

Bids are wanted on brick work and
plastering.
As previously reported, structural
steel awarded to Judson-Pacific Co.,
603 Mission St.

Sub-Contracts Awarded.
APARTMENTS Cost, \$40,000
SAN FRANCISCO. N. Cabrillo St. 90
W 31st Ave.

Three-story and basement frame and
stucco apartments (12 4-rm. apts.)
Owner and Contractor—Byron Fee-
rick, 891 39th Avenue.

Architect—Irvine & Ebbetts, Call Bldg.
Steel girders, elevator, tile kitchens,
baths and showers, glass shower
doors.

Concrete—P. Donnelly, 302 23rd Ave.

SKILSAW Portable Electric Hand
Saws (4 models).

SKILSAW Portable Electric Sander

SKILSAW Radial Arm Attach-
ments.

SYNTRON Portable Electric Ham-
mers (4 models, motor-
less).

MALL Flexible Shaft Machines (50
models).

Electric Drills, Grinders, Buffers,
Routers, Lock Mortisers.

PETER H. NELSON
Labor Saving Portable Electric
Tools.

1248 Mission St. UNDERHILL
San Francisco 7662
SALES . SERVICE . RENTALS

Steel—Golden Gate Iron Works, 1541
Howard Street.

Steel Bars—W. S. Wetenhall, 17th and
Wisconsin Sts.

As previously reported, lumber con-
tract awarded to Christensen Lumber
Co., 5th and Hooper Sts.; grading to
Fiombo Bros., 124 Parker Ave. Sub-
bids are being taken on other portions
of the work.

BONDS

MARYSVILLE, Yuba Co., Cal.—City
council urged by Citizens' Commit-
tee to call an election to vote bonds
of \$100,000 to finance construction of
a new city hall. Civic and fraternal
organizations are in favor of a new
structure.

CHURCHES

Contract Awarded.
ADDITION Cost, \$6000

SAN JOSE, Santa Clara Co., Cal. 2nd
and St. John Streets.

Addition to Type III church school.
Owner—Trinity Episcopal Church, 2nd
and St. John Sts., San Jose.

Architect—Binder & Curtis, 35 W San
Carlos St., San Jose.

Contractor—C. A. Thomas, 127 Clay-
ton St., San Jose.

Contract Awarded.
CHURCH Cost, \$50,000

ALHAMBRA, Los Angeles Co., Cal.
No. 1625 Griffith Park Ave.

Frame and stucco church (to seat 500)
tile roof, art glass, gas-steam ra-
diators.

Owner—Bethany Presbyterian Church.
Architect—Scott Quintin, Edison Bldg.
Alhambra.

Contractor—Fred A. Gage, 2510 Sun-
set Blvd., Los Angeles.

Owner Taking Bids.
CHURCH Cost approx. \$100,000

SANTA BARBARA, Santa Barbara
Co., Calif.

One-story reinf. concrete and steel
church, tile roof (to seat 800).

Owner—First Church of Christ Sci-
entist.

Architect—H. H. Guttererson, 526 Powell
St., San Francisco.

Bids will be received by clerk, First
Church of Christ Scientist, 238 San
Marcos St., Santa Barbara.

Sub-Contracts Awarded.
BUILDING Cost, \$15,000

OAKLAND, Alameda Co., Cal. Lake-
shore and Mandana Blvds.

Two-story and basement frame and
stucco building (tile roof, kitchen,
hot air heating, oil burner).

Owner—First Presbyterian Church,
26th St. and Broadway, Oakland.

Architect—Hardman & Russ Berkeley
Bank Bldg., Berkeley.

Contractor—A. Cedarborg, 1455 Excel-
sior Ave., Fruitvale.

Iron Work—Herriek Iron Works, 18th
and Campbell Sts., Oakland.

Lumber—E. K. Wood Lbr. Co., Fred-
erick and King Sts., Oakland.

Concrete—J. H. Fitzmaurice, 354 Ho-
bart St., Oakland.

Plumbing—D. W. Durant, 492 Lake
Park Ave., Oakland.

Completing Plans.
CHURCH Cost, \$—
 Los Angeles, Cal. NW La Salle and Santa Barbara Aves.
 Two-story Class C brick church (60x120 ft.); marble and tile work, unit heating system.
 Owner—Shepard Community of Los Angeles.
 Architect—Rudolph Falkenrath, Chamber of Commerce Bldg., L. A.

FACTORIES AND WARE-HOUSES

SAN JOSE. Santa Clara Co., Cal.—Plant of San Jose Meat Co. on Berryessa road, west of Coyote Creek, destroyed by fire August 4. The loss is estimated at \$75,000. Insurance carried was \$30,000.

Preparing Working Drawings.
WAREHOUSE Cost, \$10,000
 SAN FRANCISCO. Twenty-second St. near Folsom St.
 Reinforced concrete class B warehouse (mezzanine, asphalt roof, steel sash).
 Owner—J. Jacobson.
 Architect—L. O. Berg, 675 Corbett Avenue.
 Plans will be ready for bids in three weeks.

Owner Taking Segregated Bids.
STORE & CANNERY Cost, \$10,000
 SAN FRANCISCO. NW Faith and San Bruno Ave.
 Two-story Class C reinforced concrete store and cannery (tar and gravel roof, steam heat, gas fired boilers).
 Owner—Muzio Packing Co., 2499 Howard St., San Francisco.
 Architect—P. F. DeMartini, 948 Broadway, San Francisco.
 Construction has been started.

Construction Postponed Indefinitely.
FACTORY Cost, \$—
 SAN FRANCISCO. Pacific Ave. near Polk Street.
 Two-story and mezzanine floor frame and stucco factory.
 Owner—Withheld.
 Architect—Louis Mastropasqua, 580 Washington St.

To Ask Bids In About Ten Days.
WAREHOUSE Cost, \$75,000
 SAN FRANCISCO. Brannan Street.
 One-story concrete warehouse (steel sash, galvanized iron, 100 ft. frontage).
 Owner—Vermont Marble Company, 244 Brannan Street.
 Architect—Lewis P. Hobart, Crocker Building.

FLATS

Sub-Bids Being Taken.
FLATS Cost, \$11,000
 SAN FRANCISCO. E Baker Street 75 N Lombard St.
 Two-story and basement frame and stucco flats (two six-room flats; tile and composition roof, gas hot air furnace, electrically controlled, hardwood floors, tile baths and kitchens, electric refrigeration).
 Owner and Builder—Severin Steinauer, 755 27th Avenue.
 Architect—R. R. Irvine, Call Bldg.

Plans Completed.
FLAT AND STORE Cost, \$7500
 SAN FRANCISCO. W Mission 60 S Niagara Street.
 Two-story frame and stucco flat and store (5-room flat); tar and gravel roof.
 Owner—R. Arancio, 4550 Mission St., San Francisco.
 Architect—J. A. Porporato, 619 Washington St., San Francisco.
 Contractor—Selected (Withheld)

GARAGES AND SERVICE STATIONS

Contract Awarded.
WAYHOUSE Cost, \$7000
 SACRAMENTO. Sacramento Co., Cal. No. 2831 Seventeenth Street.
 One-story fireproof wayhouse and garage.
 Owner—C. Jennings, 701 San Miguel St., Sacramento.
 Architect—Not Given.
 Contractor—F. Richards, Hagginwood, Sacramento.

Construction Postponed Indefinitely.
SERVICE BLDG. Cont. cost, \$36,175
 VALLEJO, Solano Co., Cal. NW Sonoma and Main Sts. (130x150-ft.)
 Two-story automobile plant and service building (probably brick construction).

Owner—Aene Motor Co. (Vallejo Ford dealers).
 Architect—Claude Barton, 522 Grand Ave., Oakland.
 Contractor—F. C. Stolte, 3449 Laguna St., Oakland.

Owner Taking Bids.
SERVICE Station Cost, \$4000
 MT. VIEW, Santa Clara Co., Cal. Castro and El Camino Real.
 Two-story frame and stucco service station (steel sash, tile roof, electric wiring, plumbing, steel spiral stairs).
 Owner—T. Fanucci, Mt. View.
 Plans by E. Reichel, 303 University Ave., Palo Alto.

Sub-Contracts Awarded.
SERVICE STATION Cost, \$7187
 OAKLAND, Alameda Co., Calif. SW Bellevue Ave. and Grand St.
 Super service station.
 Owner—Union Oil Company.
 Plans by Eng. Dept. of Owner.
 Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland.
Brick Work—A. Hallert, 2500 65th Ave. Oakland.

Roofing—Western Roofing Co., 24th & Poplar Sts., Oakland.
Steel Sash and Miscellaneous Iron—Michel & Pfeffer Iron Works, Harrison and 10th Sts., San Francisco.
Glazing—East Bay Glass Co., 621 6th St., Oakland.
Millwork—Pacific Mfg. Co., 1315 7th St., Oakland.
Sheet Metal—Central Sheet Metal Works, 2847 Hannah St., Oakland.
Plastering—Staann Bros.
Electric—Fred. Schmits, 430 Moss Ave. Oakland.
Plumbing—J. A. Fazio, 402 Castro St., Oakland.
Tile—Rigney Tile Co., 3012 Harrison St., Oakland.

GOVERNMENT WORK AND SUPPLIES

Completing Plans. August 6, 1931
OFFICES Cost, \$1,287,500
 PORTLAND, Ore. Broadway, Madison, 6th and Main Sts.
 Seven-story and basement class "A" Federal offices.
 Owner—United States Government.
 Architect—Whitehouse, Stanton and Church, Railway Exchange Bldg., Portland, Ore.
 Plans for this structure have been forwarded to the office of the Supervising Architect, Treasury Department Washington, D. C., for approval.

SAN FRANCISCO.—Following bids received by Constructing Quartermaster, Fort Mason, for furnishing and delivering Warehouse No. 3, San Francisco, Presidio, 50 tons of No. 3 crushed rock from ¾-in. to 1- and ½-in. for railroad ballast and 150 standard

railroad ties, redwood, size 7x8-in by 8-ft., sawed.

Crushed Rock
 Pacific Coast Aggregates, Inc., 85 2nd St., \$1.65 per ton.
 Bode Gravel Co., \$2.00 per ton.
 Healy-Tibbitts Const. Co., \$2.20 per ton.

Railroad Ties
 Union Lbr. Co., Crocker Bldg., \$171.00
 Smith Lumber Co., 154.50
 Van Arsdale Harris Lbr. Co., 186.00
 Loop Lumber Co., 193.20
 McCallum Lumber Co., 196.50
 Chas. McCormick, 202.50
 Bids held under advisement.

SAN FRANCISCO.—Malott & Peterson, 3221 20th St., at \$542 awarded contract by Constructing Quartermaster, Fort Mason, to construct concrete sidewalks and steps at the Post Chapel in the Presidio.

Boulder City, Nevada.—Until Aug. 15, bids will be received by the Six Companies, Inc., Boulder City, Nev., or Financial Center Bldg., San Francisco, for approximately 16 miles of track-laying and related work on the railroad being built as an auxiliary to the construction of the Hoover Dam. Specifications and plans may be examined at either of the above offices. F. T. Crowe, General Superintendent.

To Ask Bids In About Thirty Days.
BARRACKS Cost, \$200,000
 MORE ISLAND, Cal. Mare Island Navy Yard.
 Barracks building.
 Owner—United States Government.
 Plans by Bureau of Yards and Docks, Navy Dept., Washington, D. C.

SAN FRANCISCO.—Bid call has been cancelled by Constructing Quartermaster, Fort Mason, under Circular No. 86-24-4 to furnish:
 (a) 36 domestic gas ranges; cabinet type;
 (b) 36 automatic storage gas water heaters.
 Bids were to have been opened August 20.

LAS VEGAS, Nevada.—Plains Construction Co., Pampa, Texas, was awarded a contract at \$237,000 by the Treasury Department on July 31 for the construction of the U. S. post office and court house (except elevator) at Las Vegas, Nevada. The building will be a two-story and basement, masonry and steel structure with terra cotta facing.

WASHINGTON, D. C.—Bids are being received by the Bureau of Supplies and Accounts, Navy Dept., Washington, D. C., to furnish materials and equipment to Pacific Coast navy yards and stations, as follows, further information on the Schedules listed being obtainable from the Navy Purchasing Office, 100 Harrison St., San Francisco:
Bids Open August 18

Mare Island, and Puget Sound, 4 steam sirens, with vertical trumpet and spares; sch. 6253.

Western yards, sound transmitting equipments and spares; sch. 6214.

Mare Island, 8500 lin. yds. black enameled cloth; sch. 6288.

Mare Island, 1 electric food-baking oven and spares; sch. 6262.

Mare Island, 16,000 ft. b.m. balsam; sch. 6253.

San Diego, 1 motor-driven automatic screw machine and equipment; sch. 6257.

Puget Sound, 3 motor-driven engine lathes; sch. 6252.

Western yards, fire extinguishing liquid; sch. 6267.

New York or San Francisco, 1 motor-driven capstan car pulling type small winch; sch. 6280.

Hampton Roads or San Francisco, 1

motor-driven paint grinding mill; sch. 6276.

Western yards, 3,000 lbs. dry lamp black, 10,000 lbs. dry litharge, 50,000 lbs. pulverized silica, 6,000 lbs. manganese rasinate, 5,400 lbs. ultramarine blue, 700,000 lbs. titanium pigment, and 74,250 lbs. whitening; sch. 6272.

Western yards, bolts, catches, eyes, screw; handles, chest, hasps, hasps and staples, hooks, door, etc.; sch. 6273.

Bids Open August 25

Mare Island, main motor, reduction gear and spares; sch. 6299.

Western yards, bolts and nuts, brass and steel; sch. 6287.

Western yards, bolts, and nuts, steel screws, lag; sch. 6289.

TUCSON, Ariz.—Until August 17, under Circular No. G-19, bids will be received by Purchase and Issue Sub-Division of the U. S. Veterans' Bureau, Arlington Bldg., Washington, D. C., to furnish and install one set of cafeteria equipment in Veterans' Hospital at Tucson. Specifications obtainable from above.

QUARRY HEIGHTS, C. Z.—Until September 21, under Circular No. 1, bids will be received by Department Quartermaster, Quarry Heights, C. Z., for construction and completion of excavation, embankment and grading, sanitary sewers, storm drainage, water distribution and fire protection, roads, curbs and walks, electrical distribution and street lighting, 2 field officers' quarters Nos. 3 and 4, 5 company officers' quarters, Nos. 1, 2, 5, 6, and 7, 2 n. c. o. 4-family quarters, Nos. 8 and 9, and 1 130-men barracks No. 10, at Ft. Huachuca, C. Z. Specifications obtainable from Department Quartermaster at Quarry Heights on deposit of \$50, returnable.

Completing Plans. Cost, \$695,000
POST OFFICE STOCKTON, San Joaquin Co., Cal. Class A post office.

Owner—United States Government.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.

Consulting Architect—Howard G. Bissell, 421 S. Miner St., Stockton.
Plans will be forwarded to Washington for approval shortly.

SAN DIEGO, Cal.—Consolidated Steel Corp., 1200 N. Main St., Los Angeles, submitted the low bid to the Public Works Officer, 11th Naval District, San Diego, July 28, for furnishing one electric traveling bridge crane at the Naval Operating Base (Air Station), under Specifications No. 6472. The bid was: using standard I-beam girder, \$5980, and using box section girders, \$6047. The other bids were: Apex Steel Corp., Ltd., \$6105; Lakeside Bridge & Steel Co., Milwaukee, Wis., \$6150; Harnischfeger Sales Corp., \$6175; Judson-Pacific Co., \$6646; Eder Engineering Co., Seattle, \$6950; National Iron Works, \$7247; Spencer & Morris, \$7342; Chesapeake Crane Corp., \$8373.

SAN FRANCISCO.—Siemens-Helmerts, Inc., 206 Sansome St., at \$11.23 cu. yd., awarded contract by U. S. Engineer Office, Customhouse, for rock removal in San Francisco Bay, involving 39,800 cu. yds. Complete list of unit bids received on this project published in issue of July 10.

Bids Opened. Cost, \$—
VENTILATING PALO ALTO, Santa Clara Co., Cal. Revising ventilating systems in Buildings Nos. 114, 204 and 219, U. S. Veterans' Hospital.

Owner—United States Government.
Plans by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto.

Low Bidder—Stanford Sheet Metal Works, 921 Alma St., Palo Alto.

Following is complete list of bids:
Stanford Sheet Metal Works, Palo Alto, \$4176
J. A. Nelson, Inc., S. F., 4990
Spangler Sheet Metal Works, Palo Alto, 6028
Bids held under advisement.

Contract Awarded.
REMODELING Cont. Price, \$8283
SAN FRANCISCO, Presidio.
Remodel Wards B-1 and L-1 Bldgs. Nos. 3 and 17 at Letterman General Hospital (brick construction, new hardware, linoleum floors, plumbing, nurses' call system, radio system, considerable tile work)
Owner—United States Government.
Plans by Constructing Quartermaster, Fort Mason.
Contractor—Frank J. Reilly, 6350 Fulton St., San Francisco.

SACRAMENTO, Cal.—Until August 10, 3 P. M., under Order No. 3585-1845, bids will be received by U. S. Engineer Office, California Fruit Bldg., to 4-in. O.D., x 12-in. long; 1 casting, 2½-in. I.D., 3¼-in. O.D., x 12-in. long; 6 castings, 1½-in. dia. x 14-in. long, solid. All 16 castings shall be cast from one heat in the presence of an inspector. Test specimen will be required of the heat from which these castings are poured.

Six bolts and nuts shall be rough forged. Test specimen shall be forged integral with the bolt stock and shall be cut off in the presence of an inspector.

Bids Opened. Cost, \$—
GAS BURNERS LIVERMORE, Alameda Co., Cal. Installation of gas burners in boilers and gas piping in Central Heating Plant at Veterans' Hospital.
Owner—United States Government.
Plans by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto.

Low Bidder—McGee Sales Agency, 75 Fremont St., San Francisco.

Following is complete list of bids:
McGee Sales Agency, S. F., \$2740.00
F. E. Giggood, Inc., Los Angeles

2850.00
B. F. Lientz Co., Los Angeles 3250.00
E. A. Cornelli, S. F., 3428.18
Herman Lawson, S. F., 3500.00
Natural Gas Equip. Co., S. F., 3585.00
H. L. Reese, Palo Alto, 3817.83
Pacific Gas & Elec. Co., S. F., 4395.00
Peninsular Burner & Oil Co., San Francisco, 4600.00

Bids referred to Washington for award.

To Ask Bids August 15.
INFIRMARY Cost, \$—
BOISE, Idaho.

Two-story brick infirmary.
Owner—United States Government.

Plans by Supt. of Construction, Veterans' Hospital, Palo Alto.

Bids will be taken by Supt. of Construction at Palo Alto.

Plans Being Figured—Bids Close Aug. 12, 11 A. M.

PARTITIONS, ETC. Cost, \$—
SAN FRANCISCO, 100 Harrison St. Install partitions and doors at the Personnel Office.

Owner—United States Government.
Plans by Public Works Offices, 12th Naval District, 100 Harrison St.

Bids will be received by the District Public Works Officer at 100 Harrison St. Plans obtainable from above office on deposit of \$10.00, returnable, checks for same to be made payable to Chief of the Bureau of Yards and Docks.

GOVERNMENT CONSTRUCTION—In response to many requests for data on contemplated construction of the

Federal Government in various sections of the country, there is published herewith a complete tabulation of the projects scheduled for early construction, as reported by the Supervising Architect, U. S. Treasury Department, as of July 15th:

Bids in, on Market, or in Specification Stage

Albertville, Ala., \$70,000; Altoona, Pa., \$775,000; Ambrase, N. Dak., B. S., \$59,000; Astoria, Oreg., \$260,000; Attalla Ala., \$70,000.

Barbourville, Ky., \$65,000; Beecher Falls, N. Y., \$55,000; Brinkley, Ark., \$65,000; Brownsville, Tex., \$430,000.

Carrollton Ill.; \$65,000; Caruthersville, Mo., \$80,000; Cedar Rapids, Iowa, \$725,000; Centralia, Mo., \$70,000; Chicago, post office, \$23,675,000; Claremont, N. H., \$95,000; Colfax, Wash., \$80,000; Crockett, Tex., \$85,000.

Derby Line, Vt., B. S., \$93,000. Dayton, Ga., \$50,000; Eustis, Me., B. S., \$59,100.

Fairbanks, Alaska, \$450,000; Farmington, Mo., \$90,000; Ft. Wayne, Ind., \$1,150,000; Greensboro, N. C., \$900,000. Hallowsell, Me., \$75,000; Hartford, Conn., \$2,000,000; Havana, Ill., \$70,000; Helena Mont., \$340,000; Hobart, Okla., \$90,000.

Ironwood, Mich., \$185,000. Key West, Fla., marine hospital, \$25,000. Lamar, Mo., \$70,000; Las Vegas, Nev., \$320,000; Little Rock, Ark., \$1,435,000.

Madison, Ga., \$55,000; Mendota, Ill., \$75,000; Metairie Falls, Wash., B. S., \$58,500; Miami, Fla., \$2,080,000; Millersburg Ohio, \$70,000; Montrose, Colo., \$125,000; Murray, Ky., \$90,000.

New Britain, Conn., \$250,000; New York City, parcel post, \$11,000,000; Palmer, Mass., \$115,000; Pawtucket, R. I., \$40,000; Pittsburgh, \$7,902,000; Pence, Porto Rico, \$300,000; Portal N. Dak., B. S., \$74,200; Port Angeles, Wash., \$190,000; Potsdam, N. Y., \$135,000.

Sommersworth, N. H., \$75,000; South Bend, Ind., \$1,100,000; Stuttgart, Ark., \$95,000; Sumas, Wash., B. S., \$65,000 Sylvauga, Ala., \$75,000.

Trenton, N. J., \$150,000; Trout River, N. Y., B. S., \$600; Waterbury, Conn., \$570,000; Wellsboro, Pa., \$80,000; Wichita Falls Tex., \$725,000; Winthrop, Mass., \$60,000; Woodstock, Va., \$55,000.

Total—\$61,716,800.

Drawing Stage

Aberdeen, Miss., \$122,000; Alameda, Calif., \$75,000; Albany, N. Y., \$3,325,000; Albia, Iowa, \$75,000; Allentown, Pa., \$820,000; Americus, Ga., \$100,000; Anacosta, Mont., \$140,000; Andover, Mass., \$115,000; Ann Arbor, Mich., \$75,000; Atlanta, Ga., \$2,975,000; Auburn, Ind., \$115,000; Aurora, Ill., \$395,000.

Baltimore, Md., marine hospital, \$1,620,000; Barborton, Ohio, \$175,000; Baton Rouge, La., \$465,000; Beatrice, Neb., \$50,000; Beloit, Wis., \$270,000.

Bend, Oreg., \$155,000; Berkeley, Calif., \$190,000; Birmingham, N. Y., \$25,000; Bismarck, N. D., \$140,000; Bridgeport, Conn., \$1,200,000; Bristol, Va., \$210,000.

Brookton, Mass., \$345,000; Broken Bow, Neb., \$85,000; Bucyrus, Ohio, \$140,000; Butte, Mont., \$235,000.

Canton, Ohio, \$725,000; Carlinville, Ill., \$75,000; Cedar City, Utah, \$150,000; Central City Ky., \$70,000; Champain, N. Y., B. S., \$56,000; Charlotte, N. C., \$525,000; Chattanooga, Tenn., \$1,435,000; Chicago, appraiser's stores, \$1,150,000; Chicago, marine hospital, \$510,000; Cincinnati, \$3,000,000; Clearfield, Pa., \$145,000; Cleveland, Ohio, \$5,275,000; Cleveland, Tenn., \$90,000; Connerville, Ind., \$70,000; Cumberland, Md., \$540,000.

Davenport, Iowa, \$665,000; Dayton Beach, Fla., \$285,000; Derby, Conn., \$125,000; Detroit, inspection station, \$115,000; Detroit, marine hospital, \$600,000; Detroit, post office, \$5,650,000; Dubuque, Iowa, \$675,000.

El Centro, Calif., \$140,000; Eliza-

betown, Ky., \$70,000; Elkins, W. Va., \$120,000; Evansville, Ind., marine hospital, \$100,000.

Fergus Falls, Minn., \$150,000; Forest City, Ark., \$85,000; Ft. Valley, Ga., \$85,000; Galveston, Tex., inspection station, \$375,000; Georgetown, Del., \$75,000; Georgetown, Tex., \$80,000; Gloucester, Mass., \$350,000; Grafton, N. Dak., \$85,000; Grand Rapids, Mich., \$300,000; Greenville, Ala., \$75,000; Greenville, Pa., \$175,000; Greensburg, Ind., \$85,000.

Harlan, Ky., \$110,000; Harvey, Ill., \$160,000; Highland, Ill., \$70,000; High Point, N. C., \$400,000; Honolulu, Hawaii, inspection station, \$115,000.

Jackson, Mich., \$515,000; Jackson, Miss., \$825,000; Jackson, Tenn., \$350,000; Jacksonville Fla., court house, \$2,000,000; Jacksonville, Fla., parcel post building, \$75,000; Kenosha, Wis., \$300,000; Knoxville, Tenn., \$1,575,000.

La Crosse, Wis., \$225,000; Lebanon, Mo., \$70,000; Lewisburg, Pa., \$255,000; Lexington, Ky., \$760,000; Long Beach, Calif., \$725,000; Louisville, Ky., marine hospital, \$460,000; Lumberton, N. C., \$105,000; Lynchburg, Va., \$848,000; Macon, Ga., \$395,000; Manchester, Conn., \$135,000; Manchester, N. H., \$400,000; Mankato, Minn., \$300,000; McKeesport, Pa., \$30,000; Medina, N. Y., \$115,000; Memphis, Tenn., \$80,000; Meridian, Miss., \$555,000; Miami, Okla., \$235,000; Milbank, S. Dak., \$65,000; Minneapolis, Minn., \$4,150,000.

Mobile Ala., marine hospital, \$450,000; Modesto, Calif., \$195,000; Monroe, Wis., \$85,000; Monte Vista, Colo., \$115,000; Montgomery Ala., \$1,045,000; Morgan City, Iowa, \$75,000; Mount Olive N. C., \$70,000; Mount Vernon, Ind., \$75,000; Mountain Grove, Mo., \$70,000.

Neph, Utah, \$55,000; Newcastle, Wyo., \$60,000; New Kensington, Pa., \$285,000; New Martinsville, W. Va., \$75,000; New York City, court house, \$10,700,000; New York City, marine hospital, \$2,500,000; New York City, post office annex, \$9,500,000; Niles, Ohio, \$130,000; Noblesville, Ind., \$80,000; Norfolk, Va., \$1,925,000; Norman, Okla., \$160,000; North Little Rock, Ark., \$110,000; Norristown, Pa., \$490,000; Norwalk, Ohio, \$150,000; Nyack, N. Y., \$150,000; Okmulgee, Okla., \$330,000; Omaha, Neb., F. O. B., \$74,000; Oroville, Calif., \$145,000; Oroville, Wash. B. S., \$58,500.

Paintsville, Ky., \$70,000; Palm Beach, Fla., \$200,000; Pasco, Wash., \$65,000; Patchogue, N. Y., \$200,000; Paterson, N. J., \$800,000; Philadelphia, post office, \$9,750,000; Phoenix, Ariz., \$1,080,000; Pikeville, Ky., \$93,000; Plainview, Tex., \$152,000; Pocatello, Idaho, \$220,000; Port Huron, Mich., \$115,000; Portland, Me., post office, \$850,000; Portland, Oreg., \$1,950,000; Princeton, N. J., \$95,000; Provincetown, Mass., \$105,000.

Reedy Island, Del., quarantine station, \$14,500; Reno, Nev., \$565,000; Rochester, N. Y., \$1,700,000; Rockford, Ill., \$735,000; Rogersville, Tenn., \$70,000; Roofsboro, Mont., B. S., \$59,000; Rouses Point, N. Y., B. S., \$153,000; Rutherfordton, N. C., \$70,000.

Sacramento, Calif., \$1,300,000; St. Louis, court house, \$2,225,000; St. Paul, Minn., \$2,700,000; San Angelo, Texas, \$200,000; Salem, N. J., \$80,000; San Benito, Tex., \$125,000; San Francisco, O. E., \$3,050,000; San Francisco, post office and court house, \$750,000; Sapulpa, Okla., \$150,000; Seguin, Tex., \$85,000; Sioux City, Iowa, \$1,025,000; South Milwaukee, Wis., \$120,000; Springfield, Ohio, \$740,000; Stockton, Calif., \$695,000; Sturgis, Mich., \$125,000; Sweetgrass, Mont., B. S., \$61,000.

Terre Haute, Ind., \$600,000; Texarkana, Ark., \$790,000; Thermopolis, Wyo., \$200,000; Topeka, Kans., \$1,065,000; Troy, Ohio, \$150,000; Uniontown, Pa., \$265,000.

Waukegan, Ill., \$335,000; Wellsville, N. Y., \$145,000; Williamsport, Pa., \$210,000; Williamstown, Mass., \$95,000; Winchester, Ind., \$95,000; Win-

chester, S. Dak., \$100,000; Wisconsin Rapids, Wis., \$125,000; Youngstown, Ohio, \$585,000; Zanesville, Ohio, \$150,000.

Total—\$123,093,000.

Section 3

Newark, N. J., \$6,150,000, drawing stage.

St. Louis, court house, \$1,600,000, drawing stage.

Savannah, Ga., marine hospital, \$18,000, drawings revised.

Waltham, Mass., \$200,000, drawing stage.

West Point, Ga., \$65,000, drawing stage.

Tamaqua, Pa., \$125,000, site accepted.

Putnam, Conn., \$115,000, condemnation.

San Pedro, Calif., \$575,000, condemnation.

Goldfield, Nev., \$75,000, held.

District of Columbia Projects.

Extensive building Department of Agriculture, \$12,800,000, first half under contract and second half drawing stage.

Power plant, Department of Agriculture, \$85,000, on the market.

Department of State Building, \$3,000,000, specification stage.

Public Health Service Building, \$865,000, foundation under contract and superstructure on market.

Archives Building, \$8,750,000, excavation under contract and foundations and superstructure drawing stage.

Central heating plant, \$1,557,023.22, drawing stage.

Cost Guard Building, \$3,000,000 drawing stage.

Connecting wing, Interstate Commerce-Labor Building, \$2,000,000, foundations specification stage and superstructure drawing stage.

Interstate Commerce Commission, \$4,500,000, foundations specification stage and superstructure drawing stage.

Justice Building, \$12,000,000, foundations specification stage and superstructure drawing stage.

Labor Building, \$4,750,000, foundations specification stage and superstructure drawing stage.

Landscapework, Triangle 15th and Pennsylvania avenue, \$50,000, drawing stage.

Post Office Department Building, \$10,300,000, foundations specification stage and superstructure drawing stage.

HALLS AND SOCIETY BUILDINGS

SAN FRANCISCO.—Paul Downing, chairman of the Building Committee of the Olympic Club, yesterday announced that plans for the proposed \$2,000,000 Olympic Club Building at Post and Mason Streets have been abandoned and improvements involving an expenditure of approximately \$500,000 will be made to the present quarters adjoining the proposed building site. More than \$1,125,000 contributed towards the project by individuals, and \$2,000,000 advanced by an insurance company will be returned.

Plans for the proposed structure were prepared by Architects John Bakewell, Arthur Brown Jr., and John Bauer, associate.

Low bidders on this proposed project, as previously reported in these columns, follow: General Contract, K. E. Parker Co., \$1,769,000; electric work H. S. Tittle Co., \$153,375; steel, Pacific Coast Steel Co., \$566,626; elevators, Otis Elevator Co., \$164,430; plumbing, F. W. Snook Co., \$224,310; mechanical equipment, \$417,890.

SAN FRANCISCO.—With the temporary abandonment of plans for the erection of the proposed \$3,000,000 club building at Post and Mason Streets, directors of the Olympic Club contemplate complete renovation of the present club quarters at a cost of \$250,000. The unimproved property, on which was to be erected the new building, will probably be improved with a garage structure, although this proposal is yet in a preliminary stage. Revenues from the garage, if erected, would be placed in a fund to assist in financing the new club building when the construction is undertaken at a later date. Plans for the club building were prepared by Architects Arthur Brown, Jr., John Bakewell and John Bauer, associate, 251 Kearny St., San Francisco.

Work Under Way.

REMODEL CLUB Cost, \$—
OAKLAND, Alameda Co., Calif. 14th and Franklin Sts.

Remodel frame club building. Owner—Athenian Nile Club.

Architect—Not Given.

Contractor—F. C. Stoltz, 3449 Laguna St., Oakland.

HOSPITALS

Preparing Working Drawings.

INSTITUTE BLDG. Cost, \$400,000
SAN FRANCISCO. Potrero Ave. and 21st Street.

Six-story and basement class A Cancer Institute building.

Owner—City and County of San Francisco.

Architect—Alfred I. Coffey and Martin J. Rist, associated, Phelan Bldg.

Structural Engineer—H. J. Brunner, Sharon Building.

Steel frame, brick exterior, tile and hollow metal partitions.

Plans will be completed in about 30 days.

Preparing Working Drawings.

INSTITUTE BLDG. Cost, \$400,000
SAN FRANCISCO.

Class A reinforced concrete psychopathic institute building.

Owner—City and County of San Francisco.

Architect—Alfred I. Coffey and Martin J. Rist, associated, Phelan Bldg.

Structural Engineer—H. J. Brunner, Sharon Building.

Plans will be completed in about 30 days.

Preparing Plans.

HOME FOR AGED Cost, \$250,000
LOS ANGELES, Cal. Beverly Blvd. and Chaparral St.

Reinforced concrete home for aged (provide 100 rooms).

Owner—Eastern Star Home of Calif.

Architect—Train & Cressey, Western Mutual Life Bldg., Los Angeles.

Brick & Electrical Contracts Awarded.

HOME Cost approx., \$175,000
SAN FRANCISCO. University and Cambridge Streets.

Two- and three-story reinforced concrete and brick Home for Aged.

Owner—University Mound Old Ladies' Home.

Architect—Alfred Coffey and Martin J. Rist, Phelan Bldg.

Contractor—J. E. Scully, Phelan Bldg.

Brick—Collins & Drake, 666 Mission Street.

Electric—F. J. Kilim, 456 Ellis St.

As previously reported, plastering awarded to Chris Berg, 538 Market St.; heating to Knittle Bros., 224 5th St.; grading to P. Montague, 666 Mission St.; reinforcing bars, steel pans and concrete to Mission Concrete Co., 270 Turk St.

Other awards will be made shortly.

COLUMBIA, Columbia Co., Cal.—American Surgical and Sales Co., at \$2,063.68 awarded contract by county supervisors to furnish and install sterilizer in surgery and utility room at county hospital. Electrical work in connection with this installation will be done by the Glenn County Electric Co. and plumbing by the Woodland Plumbing Company.

Segregated Bids Being Taken.
HOSPITAL. Cost, \$75,000
LAS VEGAS, Nev. Eighth and Ogden Streets.

Two-story reinforced concrete hospital (190x64-ft.; 60 beds; operating rooms, etc.; reinforced concrete construction, stucco exterior, tile roof, tiled bath rooms, nurses' call system, steam heat).
Owner—Dr. Roy Martin, Las Vegas Hospital—A. L. Worswick, Las Vegas Architect—A. L. Worswick, Las Vegas

Sub-Contracts Awarded.
GARAGES, ETC. Cont. price, \$56,440
AGNEW, Santa Clara Co., Cal. State Hospital Grounds.

Two 2-story concrete employees' quarters and 1-story concrete garages. Owner—State of California.
Plans by State Department of Public Works, Division of Architecture, Public Works Bldg., Sacramento.
Contractor—A. Nelson, 242 Ocean Ave. San Francisco.

Sub-bids on other portions of the work are in and will be awarded shortly.

Employees' quarters will consist of two buildings and separate garages, having concrete exterior walls, wood partitions, wood floor and roof construction and tile roof. Garages will be one-story with concrete walls and floor, wood roof construction and tile and composition roof. Employees quarters will have floor area of approximately 10,000 sq. ft. each and the garages a floor area of approximately 4,100 sq. ft.

Reinforcing Steel—Pacific Coast Steel Co., 20th and Illinois Streets, San Francisco.

Milwork & Lumber—Pacific Mfg. Co., Santa Clara.

Window Fixtures—Soule Steel Co., Rialto Bldg., San Francisco.

Miscellaneous and Ornamental Iron—Michel & Pfeffer Iron Works, Harrison and 10th Sts., San Francisco.

Painting—Fatterson Bros., 494 36th St. Oakland.

Composition and Tile Roofing—W. J. Anderson, 3825 Army Street, San Francisco.

Cement—Henry Cowell Lime and Cement Co., 2 Market St., San Francisco.

Gravel and Sand—Central Supply Co., Watsonville.

Linoleum—Anderson Carpet House, 519 13th St., Oakland.

Lathing and Plastering—W. O. Anderson, 256 Nevada St., San Francisco.

Sheet Metal—Wm. Serpa, 13th & Empire Sts., San Jose.

As previously reported heating and plumbing awarded to Hatley & Hatley 1710 10th St., Sacramento; electrical work to Roy M. Butcher, 1020 Sherwood St., San Jose.

Plans Being Completed.
HOSPITAL. Cost, \$—
AUBURN, Placer Co., Cal.

Class A reinforced concrete and steel fireproof hospital (48 beds).
Owner—County of Placer.
Architect—W. E. Coffman, Forum Bldg., Sacramento.
Reinforced concrete construction, concrete floor, 2½ inch metal lath plaster partitions, floors covered with linoleum, 20-year composition roof, steel sash, vacuum steam heating plant. Bids will be taken within one week.

Preparing Plans.
HOSPITAL. Cost, \$70,000
LOS ANGELES, Cal. Sixty-fifth St. and Grosvenor Blvd.
One-story Class A reinforced concrete and steel hospital (130x50 feet).
Owner—Hyde Park Community Service, Ltd., Western Pacific Bldg., Los Angeles.
Plans by Martin E. Gumpert, 4933½ Elmwood Ave., Los Angeles.

Bids Opened.
DETENTION BLDG. Cost, \$—
TEHACHAPI, Kern Co., Cal.
Two-story reinforced concrete Detention Building at California Institute for Women (floor area of approximately 17,500 sq. ft.)
Owner—State of California.

Plans by State Department of Public Works, Division of Architecture, Public Works Bldg., Sacramento.
Geo. B. McDougall, state architect.
The structure will be two stories in height with reinforced concrete foundations, floors, walls, concrete and tile partitions, wood roof construction and tile and composition roof.

Following is a complete list of bids:
General Work
Anton Johnson, So. Pasadena.....\$72,496
Andy Sordal, Long Beach.....73,495
O. S. Almille, San Francisco.....73,763
H. Mayson, Los Angeles.....74,690
Wm. Rohlbacher, Santa Ana.....74,850

Electric
Geo. L. Patterson, 646 Maple St., Los Angeles.....\$2,355
H. H. Walker, Los Angeles.....2,376
R. R. Jones Co., Los Angeles.....2,390
Safeway Elec. Co., Los Angeles.....2,447
W. H. Smith, Long Beach.....2,550
Moore Electric Co., Los Angeles.....2,896
Bennett & Taylor.....2,897

Heating
Thomas Haverly Co., 316 E 8th St., Los Angeles.....\$ 6,889
J. B. Walsh.....10,364
W. H. Smith, Long Beach.....11,200
Hickman Bros., Los Angeles.....11,239
Johnson & Reeves, Glendale.....11,857
Geo. C. Bell, Oakland.....11,879
Munger & Brooks, Pasadena.....11,740
W. H. Robinson, Monterey Park 11,765
W. P. McArthur, Los Angeles.....11,877
Jones Heating Co., Los Angeles.....11,985
Carpenter & Mendenhall, Sacto. 12,437
Carl T. Doell, Oakland.....12,692
Gunblack Plumbing & Sheet Metal Co., Bakersfield.....12,962
Jos. C. Black, Stockton.....13,000

Plumbing
Hickman Bros., Los Angeles.....\$11,990
Ora King, Los Angeles.....12,297
W. H. Smith, Long Beach.....12,500
W. H. Robinson, Monterey Park 13,233
Johnson & Reeves, Glendale.....13,594
Carpenter & Mendenhall, Sacto. 13,826
Toner & Brooks, Pomona.....13,968
Thomas Haverly Co., L. A.....13,990
W. P. McArthur, Los Angeles.....14,984
Carl T. Doell, Oakland.....15,450
Gunblack Plumbing and Sheet Metal Co., Bakersfield.....16,980

Mechanical Work (Complete)
Hickman Bros., Los Angeles.....\$23,200
W. H. Smith, Long Beach.....23,495
Munger & Munger, Pasadena.....24,756
Johnson & Reeves, Glendale.....24,951
W. H. Robinson, Monterey Park 25,000
Herman Lawson, San Francisco 26,300
W. P. McArthur, Los Angeles.....26,461
Scott Plumbing and Electric Co. Sacramento.....27,800
Carl T. Doell, Oakland.....28,000
Gunblack Plumbing and Sheet Metal Co., Bakersfield.....29,064
Bids held under advisement.

Plans Being Figured—Bids Close Aug. 12.
WARD UNIT Cost, \$20,000
FRESNO, Fresno Co., Cal.
Forty-two-bed tubercular ward unit at county hospital.
Owner—County of Fresno, D. M. Barnwell, county clerk.
Architect—W. D. Coates, Rowell Bldg. Fresno.

Plans on file in office of county clerk and obtainable from the architects.

HOTELS

Contract Awarded.
HOTEL. Cost, \$110,000
ALBUQUERQUE, New Mexico.
Five-story Class A hotel.
Owner—John Fidel, Santa Fe.
Architect—Not Given.
Contractor—H. T. Ponsford & Sons, 914 E-Missouri St., El Paso, Texas

POWER PLANTS

VERNON, Los Angeles Co., Cal.—Hooven-Owens-Rentschler Co., Hamilton, Ohio, awarded contract by City at approximately \$1,600,000 for furnishing and installing all generating equipment for a complete municipal power plant. Howard S. McCurdy, city engineer, will have charge of the work. Plans for the building to house the equipment will be prepared by Mr. McCurdy.

Being Done By Day's Work By Owners SUB-STATION. Cost, \$80,000
SAN FRANCISCO. E Broderick Street bet. Ellis and O'Farrell.
Class A steel and concrete sub-station. Owner—Pacific Gas & Electric Co., 245 Market Street.

Plans by Eng. Dept. of Owner.
Bids will be taken on plumbing, sheet metal, glass and glazing, windows, steel sash, etc., in about sixty days.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

WOODLAND, Yolo Co., Cal.—Until August 17, 8 P. M., bids will be received by J. H. Laugenour, city clerk, for raising the city hall building at the southwest corner of Court and First Sts. Certified check 10% required with bid. Further information obtainable from city clerk.

"California Highways and Public Works," the official organ of the State Department of Public Works, issued at Sacramento, reports that the following projects will be under actual construction before the expiration of this year, the construction involving a total expenditure of \$4,858,273:

San Francisco College, additional classrooms, \$100,000.

New State Hospital in southern California, second unit for patients, \$350,000.

National Guard, Yuba City Armory, \$25,000.

Industrial Home for Adult Blind, superintendent's residence, \$15,000.

Napa Hospital, improvement to wards, \$25,000.

Mariceno Hospital, laundry, \$60,000.

Sonoma State Home, school and gymnasium, \$40,000.

Sonoma State Home, fire house, \$31,000.

State Narcotic Hospital, two ward buildings, \$40,000.

Preston School, shop building, \$25,000.

Santa Barbara College, training school, \$70,000.

Patton Hospital, dairy unit, \$25,000.

Agnew Hospital, kitchen equipment \$20,000.

School for Deaf, improvements, \$2,240.

Napa Hospital, roads, \$6,300.

Preston School, improvements, \$5,737.

Department of Agriculture, border stations, \$18,000.

Narcotic Hospital, service connections, \$3,768.

Stockton Hospital, remodel laundry, \$5,400.

School for Blind, improvements, \$5,400.

San Diego College, sprinklers, \$2,700.
New State Hospital in southern California, roads and walks, \$10,000.

New State Hospital in southern California, employees' quarters, \$100,000.

New State Hospital in southern California, employees' kitchen and dining room, \$100,000.

New State Hospital in southern California, Administration Bldg., \$50,000.

New State Hospital in southern California, farm group, \$30,000.

New State Hospital in southern California, laundry, \$50,000.

Narcotic Hospital, superintendent's residence, \$16,000.

Preston School, farm cottage, \$4,000.

Preston School, dairy unit, \$60,000.

Humboldt College, training school, \$170,000.

Chico College, library and classrooms \$117,000.

San Quentin Prison, cell block, \$300,000.

San Quentin Prison, solitary confinement, \$25,000.

School for Deaf, primary school and dining room, \$227,000.

Whittier State School, barn, garages and warehouse, \$12,000.

San Diego College, gymnasium, \$205,000.

San Quentin Prison, industrial bldg., \$50,000.

Fresno College, library, \$115,000.

Veterans' Home, hospital, \$500,000.

National Guard, Pasadena Armory, \$50,000.

Sonoma State Home, cottage for boys, \$75,000.

California Institution for Women, Detention Building, \$106,000.

Santa Barbara College, Science Bldg. \$120,000.

Pacific Colony, Ward Bld. No. 3, \$55,000.

Narcotic Hospital, physician's cottage, \$10,000.

Agnews Hospital, physician's cottage, \$10,000.

Whittier State School, employees' cottage, \$8,500.

Department of Finance, addition to printing plant, \$81,000.

Pacific Colony, Ward Bldg. No. 15, \$50,000.

Agnews Hospital, pathological laboratory, \$30,000.

Sonoma State Home, physician's cottage, \$10,000.

School for Blind, addition to girls' house, \$2,000.

Norwalk Hospital, ward building at farm, \$75,000.

California Institution for Women, dairy, \$5,000.

Stockton Hospital, kitchen, bakery, cold storage, \$118,000.

San Jose College, Science Building, \$202,000.

Pacific Colony, addition to dining room, \$35,000.

Pacific Colony, patients' farm cottage, \$35,000.

San Quentin Prison, prison wall, \$50,000.

San Quentin Prison, jute mill, \$15,000.

Folsom Prison, kitchen, commissary and cold storage, \$100,000.

New State Hospital in southern California, first unit for patients, \$350,000.

Veterans' Home, relocating Company "C" Bldg., \$2,550.

Agnews Hospital, water system, \$19,000.

National Guard, additions at training camp, \$75,738.

Folsom Prison, warehouse, \$5,000.

Napa Hospital, remodeling, \$81,000.

Napa Hospital, improvements, \$25,000.

Plans To Be Prepared.

EXPOSITION BLDG. Cost, \$125,000

OAKLAND, Alameda Co., Cal.

Exposition building, approx. 126x330 feet, containing approx. 40,000 sq. ft.

owner City of Oakland.
Architect—To Be Selected.

The city council has provided a \$125,000 appropriation in the 1931-32 budget to finance erection of this structure. It is expected an architect will be commissioned to prepare plans in the immediate future.

Specifications Being Written.

CITY HALL. Cost, \$15,000

LOS BANOS, Merced Co., Cal. J St. between 5th and 6th Sts.

Two-story brick and reinforced concrete combination fire house and city hall.

Owner—City of Los Banos.

Plans by W. E. Hedgesen (engineer), Shaffer Bldg., Merced.

Bids will be asked in about 1 week.

SACRAMENTO, Calif.—Pacific Elevator and Equipment Co., 45 Rausch St., San Francisco, at \$2,750 submitted only bid to Division of Architecture, State Dept. of Public Works, for repairing electric elevator in State Capitol.

Bids Opened.

LEGION BLDG. Cost, \$2,500,000

SAN FRANCISCO. Civic Center.

Four-story and basement concrete class A Legion Building.

OPERA HOUSE Cost, \$2,500,000

Six-story class A opera house, seating capacity, 4000; standing room, 500.

Owner—City and County of San Francisco (S. F. War Memorial).

Architect—G. A. Lansburgh, 140 Montgomery St., and Arthur Brown, Jr. 251 Kearny St.

Mrgs. of Const.—Lindgren & Swinerton, Inc., 225 Bush St.

Cast Stone

(a) Opera House (b) deduct from A (c) Veterans' building (d) if awarded both buildings deduct from Prop. A (d-1) if awarded both buildings deduct from Prop. C.

MacGruer & Co., 266 Tehama St. (a) \$47,773 (b) \$5177 (c) \$18,800.

J. D. McGilvray (a) \$54,194 (b) \$8,296 (c) \$17,995.

P. Grassi (a) \$71,550 (b) \$10,466 (c) \$30,675 (d) \$1905 (d-1) \$745.

P. Denivelle (a) \$71,700 (b) \$8000 (c) \$33,500 (d) \$3340 (d-1) \$1640.

L. Cardini (c) \$24,800.

Lathing and Plastering

(a) Opera House (b) Veterans' Bldg. (c) deduct from Prop. A if awarded both buildings (d) deduct from Prop. B if awarded both buildings.

Peter Bradley, 639 Brannan St. (a) \$71,000 (b) \$98,750 (c) \$710 (d) \$987.

Chris. Berg (a) \$76,851 (b) \$110,145 (c) \$450 (d) \$550.

Wm. G. and A. Gilmour (a) \$79,300 (b) \$108,500 (c) \$600 (d) \$900.

J. A. Smith, (a) \$86,550 (b) \$132,000 (c) \$75 (d) \$10.

L. Bosch (a) \$91,000 (b) \$149,000.

Sam Greenbach (a) \$.. (b) \$129,825.

A. Knowles (a) \$93,683 (b) \$138,564 (c) \$2000 (d) \$3000.

MacGruer & Co. (a) \$94,690 (b) \$132,350.

Francis O'Reilly (a) \$105,489 (b) \$141,998.

Bids held under advisement.

FRESNO, Fresno Co., Calif.—Fresno County Supervisors considering \$5,000 appropriation in 1931-32 budget to finance painting of the county court-house. Bids recently received on this work were rejected.

REDWOOD CITY, San Mateo Co., Cal.—San Mateo County Supervisors by a vote of four to one rejected the application of the City and County of San Francisco to purchase land's worth in that county on which it is proposed to erect a new county jail.

Plans Being Figured—Bids Close About Sept. 1.

LIBRARY Cost, \$11,000

NEW MONTEREY, Monterey Co., Cal.

One-story frame and stucco library (tile roof, Spanish type; 90x36-ft.; 2500 ft. floor space).

Owner—City of New Monterey.

Architect—Swartz & Ryland, Spaulding Bldg., Monterey.

Roofing Bids Rejected.

LEGION BLDG. Cost, \$2,500,000

SAN FRANCISCO. Civic Center.

Four-story and basement concrete class A Legion Building.

OPERA HOUSE Cost, \$2,500,000

Six-story class A opera house, seating capacity, 4000; standing room, 500.

Owner—City and County of San Francisco (S. F. War Memorial).

Architect—G. A. Lansburgh, 140 Montgomery St., and Arthur Brown, Jr. 251 Kearny St.

Mrgs. of Const.—Lindgren & Swinerton, Inc., 225 Bush St.

Bids previously received for the roofing on this project, reported in our issue of July 22nd, have been rejected.

In asking for new bids a 7-ply composition roof will be specified and not 5-ply as in the original specifications.

CAKLAND, Cal.—H. J. Raab, executive secretary to City Manager Ossian E. Carr, recommends installation of an automatic elevator system in the city jail to replace the present three-man operated system. The installation cost is estimated at \$8,800.

Bids Opened.

ELEVATOR Cost, \$—

SAN QUENTIN, Marin Co., Cal.

Furnish and install 1 sidewalk elevator

Owner—State of California.

Architect—Geo. McDougall, state architect, Public Works Bldg., Sacramento.

Otis Elevator Co., 1 Beach St., San Francisco \$947

Spencer Elevator Co., S. F. \$1,030

Pacific Elevator & Equipment Co., San Francisco \$1,313

Bids held under advisement.

Preparing Preliminary Plans.

REBUILD FIRE HOUSE Cost, \$30,000

STOCKTON, San Joaquin Co., Calif.

Hunter Street.

Remodel two-story brick and concrete fire house (4 fire fighting units; rebuild front of building).

Owner—City of Stockton.

Architect—Peter Sala, 2130 N. Commerce St., Stockton.

Sheet Metal Contract Awarded.

LEGION BLDG. Cost, \$2,500,000

SAN FRANCISCO. Civic Center.

Composition roofing and sheet metal for 4-story and basement concrete class A Legion Building.

OPERA HOUSE Cost, \$2,500,000

Six-story class A opera house, seating capacity, 4000; standing room, 500.

Owner—City and County of San Francisco (S. F. War Memorial).

Architect—G. A. Lansburgh, 140 Montgomery St. and Arthur Brown, 251 Kearny St., San Francisco.

Mrgs. of Constr.—Lindgren & Swinerton, Inc., 225 Bush St., S. F.

Sheet Metal—Gulfof Corrie Works, 1234 Howard St., San Francisco.

(a) Opera House (b) Veterans' Memorial (c) deduct from Prop. A (d) deduct from Prop. B (e) deduct from Prop. A for flat portion (f) deduct from Prop. B for flat portion (g) allowance per pound base for copper furnished by owner.

The bid submitted follows: (a) \$41,120, (b) \$88,000, (c) \$250, (d) \$250, (e) \$500, (f) \$4100, (g) \$1425.

Roofing bids still held under advisement.

LODI, San Joaquin Co., Cal.—Until August 18, 8 P. M., bids will be received by W. J. Coffield, secretary, Board of Library Trustees, to furnish and install certain furniture and equipment at the Lodi Public Library. Specifications obtainable from the secretary of the library board.

Sub-Bids Being Taken.

LIBRARY Cont. price, \$47,873
SAN FRANCISCO, 37th Avenue bet. Geary and Anza Streets.
Two-story reinforced concrete branch library (tile roof, ornamental iron, hot air heat, oil burner).

Owner—City and County of San Francisco, Geo. A. Mullin, Controller and Secretary, Board of Library Trustees.

Architect—John Reid, Jr., 405 Montgomery Street.

Engineer—C. H. Snyder, 251 Kearny Street.

Contractor—Frank J. Reilly, 6350 Fulton Street.

Bids Wanted—To Close Aug. 4, 2 P. M.

ELEVATOR Cost, \$—
SAN QUENTIN, Marin Co., Cal.
Furnish and install one sidewalk elevator.

Owner—State of California.

Architect—George B. McDougall, Public Works Bldg., Sacramento.

RESIDENCES

Sub-Contracts Awarded.

RESIDENCE Cost, \$15,000
OAKLAND, Alameda Co., Cal. Stonewall Road.

Two-story and basement frame and stucco residence (7 rooms and 4 baths, hardwood floors and trim, hot air heating system).

Owner—H. V. Colby, 3835 Jackson St., San Francisco.

Architect—W. W. Wurster, 260 California St., San Francisco.

Contractor—Emil Persson, 829 San Luis Road, Berkeley.

Concrete—J. H. Fitzmaurice, 354 Hobart St., Oakland.

Plastering—J. Rinaldi, 836 52nd Street, Oakland.

Plumbing—J. A. Fazio, 402 Castro St., Oakland.

Sheet Metal—Yager Sheet Metal Co., 3521 Chestnut St., Oakland.

Wiring—Geo. Woolf, 795 Alcatraz Ave., Oakland.

Lumber—California Mill Co. 1829 Webster St., Oakland.

Mill Work—Empire Planing Mill.

Glass—W. P. Fuller, 259 10th Street, Oakland.

Bids Opened.

RESIDENCE Cost, \$8000
BERKELEY, Alameda Co., Cal. Regal Road.

Two-story frame and stucco residence (6 rooms; Spanish type).

Owner—George Stewart.

Architect—Hardman & Russ, Berkeley Bank Bldg., Berkeley.

Following is a complete list of bids:

Connor & Connor, 1733 Francisco St., Berkeley	\$7,600
Harry Kane, Oakland	7,715
Albert Hammerberg, Oakland	7,927
Wilbur Cone, Oakland	7,980
Herbert Henderson, Oakland	7,981
Gus Wendt, Berkeley	8,092

Bids held under advisement.

Plans Being Figured—Bids Close Aug. 8th.

PARISH HOUSE Cost, \$—
SAN JOSE, Santa Clara Co., Cal.

One-story and basement frame and stucco parish house.

Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.

Architect—H. A. Minton, 525 Market St., San Francisco.

Plans Being Completed.

ALTERATIONS Cost, \$3000
SAN FRANCISCO, Bayview District.
Remodel two-story frame and stucco store for residence (5 rooms).

Owner—Withheld.

Architect—Fabre and Hildebrand, 110 Sutter St.

Bids will be taken within a few days.

Construction Postponed Indefinitely.
RESIDENCE Cost, \$10,000
PALO ALTO, Santa Clara Co., Cal.

Washington Avenue.

Two-story and basement frame and stucco residence (8 rooms, 2 baths)

Owner—L. Bogard.

Plans by E. Reichel, 303 University Ave., Palo Alto.

Plans Being Figured—Bids Close Aug. 14th, 4 P. M.

RESIDENCE Cost, \$50,000
HILLSBOROUGH, San Mateo Co., Cal.

Two-story and basement frame and stucco residence (terra cotta tile roof, steam heating system, electric refrigeration, etc.)

Owner—Mr. DeBenedetti.

Architect—Miller & Warnecke, Financial Center Bldg., Oakland.

Plans Being Figured.

RESIDENCE Cost, \$25,000
SAN FRANCISCO, Jackson St. near Presidio Avenue.

Two-story and basement frame and stucco and brick veneer residence (steam heating, gas burner).

Owner—Bruce Cornwall, 2301 Pacific Avenue.

Architect—Willis Polk Co., 277 Pine Street.

Plans Being Figured—Bids Close Aug. 12, 3 P. M.

RESIDENCE Cost, \$10,000
SONORA, Tuolumne Co., Cal.

Two-story and basement frame and stucco residence (Spanish style; 8 rooms, 2 baths; hot air heating, hardwood floors, tile roof, ornamental iron, tile baths).

Owner—W. L. Price, Sonora.

Architect—G. N. Hilburn, Elks Bldg., Modesto.

Plans Being Completed.

COUNTRY ESTATE Cost, \$20,000
NORTH SACRAMENTO, Sacramento Co., Cal.

Two-story frame and stucco residence 8 rooms; 4-car garage; stable for eight horses; swimming pool).

Owner—F. B. Hart, North Sacramento

Architect—Jens C. Petersen, 826 26th St., Sacramento.

Plans Being Completed.

RESIDENCE Cost, \$7500
SACRAMENTO, Sacramento Co., Cal.

Two-story frame and stucco residence

Owner—Thomas H. Christensen, Sacramento.

Architect—Jens C. Petersen, 826 26th St., Sacramento.

Sub-Contracts Awarded.

RESIDENCE Cost, \$22,688
BERKELEY, Alameda Co., Cal. North Cromagmont.

Two-story and basement frame and stucco residence (12 rooms and 3 baths, Spanish type, tile roof, stucco walls, warm air heating system, concrete swimming pool and garage).

Owner—Marcus Lothrop, 111 Southampton Road, Berkeley.

Architect—Arthur W. D. Duman, 48 Oakvale Ave., Berkeley.

Contractor—Harold L. Paige, 5651 Oak Grove, Oakland.

Concrete—J. H. Fitzmaurice, 354 Hobart St., Oakland.

Lumber—Sunset Lbr. Co., 400 High St., Oakland.

Millwork—Lannom Bros. Mfg. Co., 5th and Magnolia, Oakland.

Plastering—Spaan Brothers, 353 Santa Clara, Berkeley.

Roofing—N. Clark & Son, Pacific and 4th, Alameda.

Plans Being Completed.
RESIDENCE Cost, \$8000
BERKELEY, Alameda Co., Cal. Euclid Avenue.

Two-story and basement frame and stucco residence (6 rooms, tile roof hardwood floors and trim, electric refrigeration).

Owner—D. E. Gray, 2518 Rose Walk, Berkeley.

Architect—H. H. Guttererson, 526 Powell St., San Francisco.

Bids will be taken in one or two weeks.

Bids Under Advisement.

BUNGALOW Cost, \$5000
LOS ALTOS, Santa Clara Co., Cal.

One-story frame and stucco bungalow (5 rooms, shingle roof, hardwood floors).

Owner—Mr. and Mrs. Floyd Gray.

Architect—Keefe & Herberger, 3281 Lakeshore Bldg., Oakland.

Bids ran high. Plans will probably be revised.

Sub-Contracts Awarded.

RESIDENCE Cost, \$8000
ALAMEDA, Alameda Co., Cal. Fernside Tract.

Two-story frame and stucco residence.

Owner—Alfred Bareilles, 2217 Lincoln St., Alameda.

Architect—Not Given.

Contractor—W. H. Anderson, 1014 Doris Court, Alameda.

Plumbing—Chas. Smith, 1250 Park St., Alameda.

Lumber—Loop Lumber Co., Broadway and Blanding, Alameda.

Millwork—Clinton Mill & Lumber Co., 701 4th Ave., Oakland.

Doors & Sash—Western Sash & Door Co., 2122 Shattuck Ave., Berkeley.

Concrete—Riechel & Bredhoff, 1555 Central Ave., Alameda.

Painting—William Soar, 5494 Fairfax, Fruitvale.

Roofing—Saxby Roofing Co. 4538 Fleming, Oakland.

Bids Being Taken.

RESIDENCE Cost, \$4500
SAN FRANCISCO. Location Withheld.

One and one-half-story frame and stucco residence (6 rooms; composition roof, hot air furnace, hardwood floors, tile bath, etc.)

Owner—S. Alofson, 176 Judson St., San Francisco.

Plans by B. K. Dobkowitz, 425 Monterey Blvd., San Francisco.

Sub-Bids Being Taken.

RESIDENCE Cost, \$5000
SAN FRANCISCO, SE Silver Avenue and Alemany Blvd.

One-story and basement frame and stucco residence (5 rooms) composition and part tile roof, gas furnace, hardwood floors, tile bath and kitchen.

Owner and Builder—Jessie Horn, % Associated Realty Co., 5044 Mission St., San Francisco.

Plans by B. K. Dobkowitz, 425 Monterey Blvd., San Francisco.

Contract Awarded.

RESIDENCE Cost, \$30,000
BERKELEY, Alameda Co., Cal. Arlington Heights.

Two-story and basement frame and stucco residence (12 rooms and 4 baths; shingle roof, tile baths and kitchen, electric refrigeration, hardwood floors and trim).

Owner—E. Gill, 1314 San Pablo Ave., Berkeley.

Plans by L. F. Hyde, 372 Hanover St., Oakland.

Contractor—Herbert Green, 802 Cerro Ave., Berkeley.

Sub-Bids Being Taken.

RESIDENCE Cost, \$5000
SAN FRANCISCO. SW Nagle and El-
lington Streets.

One-story and basement frame and
stucco residence (5 rooms; com-
position roof, gas furnace, hard-
wood floors, tile bath and kitchen)
Owner—Patrick Horgan, 915 Pierce St.
Plans by B. K. Dobkowitz, 425 Mont-
erey Blvd.

Plans Being Figured.

RESIDENCE Cost, \$10,000
SONORA, Tuolumne Co., Cal.

Two-story and basement frame and
stucco residence (Spanish style; 8
rooms, 2 baths; hot air heating,
hardwood floors, tile roof, orna-
mental iron, tile baths).

Owner—W. L. Price, Sonora.
Architect—G. N. Hilburn, Elks Bldg.,
Modesto.

Tile Beds Wanted.

RESIDENCE Cost, \$—
SAN FRANCISCO. E Divisadero St.
N Jefferson St.

Two-story and basement frame and
stucco residence (8 rooms and 3
baths).

Owner—F. Heydenfeldt, 727 9th Ave.,
San Francisco.

Architect—N. R. Coulter, 46 Kearny
St., San Francisco.

Contractor—Gerrit Harder, 1233 41st
Ave., San Francisco.

Sub-Bids Being Taken.

RESIDENCE Cost, \$—
OAKLAND, Alameda Co., Cal.

One-story and basement frame and
stucco residence (5 rooms).

Owner and Builder—Globe Corpora-
tion, 4263 Piedmont Ave., Oakland

Architect—W. J. Wilkinson, 4263
Piedmont Ave., Oakland.

Plans Being Prepared.

RESIDENCES Cost, \$7000-\$8000
BURLINGAME, San Mateo Co., Cal.

One-story and basement and two-story
and basement frame and stucco
residences (hardwood floors, gas
heating system, Spanish type).

Owner—Globe Securities Co., Hunter-
Dulin Bldg., San Francisco.

Architect—Not Given.

Sub-bids will be taken in a few
days.

Bids Opened.

COTTAGE Cost, \$—
MT. DIABLO, Contra Costa Co., Cal.

One-story frame caretaker's cottage
(4 or 5 rooms).

Owner—State of California.

Architect—Geo. B. McDougall, State
Architect, Public Works Bldg.,
Sacramento.

Low Bidder—H. E. Pym, Danville.

Following is complete list of bids:

H. E. Pym, Danville.....	\$3167
C. M. Norgrove.....	3498
J. B. Bishop, Oakland.....	3553
T. D. Courtright, Oakland.....	3590
John Hansen.....	3725
G. A. Scott.....	3830
Minton Co., Palo Alto.....	3899
J. H. Spence.....	4281

Bids held under advisement.

Segregated Bids Being Taken.

RESIDENCE Cost, \$7500
OAKLAND, Alameda Co., Calif. Idora
Park Tract.

One-story and basement frame and
stucco residence (5 rooms; com-
position shingle roof, hot air heat-
ing system).

Owner—Withheld.

Architect—W. J. Wilkinson, 4263 Pied-
mont Ave., Oakland.

Sub-Bids Being Taken.

RESIDENCE Cost, \$9000
SAN FRANCISCO. Sixteenth Ave.
and Ulloa Street.

Two-story and basement frame and

stucco residence (7 rooms and 2
baths, tile baths and kitchen, gas
and hot air heating, tile roof).

Owner and Builder—Geo. H. Elking-
ton, 1291 33rd Ave., San Francisco.
Architect—Charles Strothoff, 2274 15th
St., San Francisco.

Plans Being Completed.

RESIDENCE Cost, \$40,000
HILLSBOROUGH, San Mateo Co., Cal.

Two-story and basement frame and
stucco residence.

Owner—E. J. Arkush, 988 Market St.,
San Francisco.

Architect—Willis Polk Co., 277 Pine
St., San Francisco.

Bids will probably be asked in about
two weeks.

To Take Bids In One Week.

RESIDENCE Cost, \$12,500
SAN FRANCISCO. Seacleft District.

Two-story and basement frame and
stucco residence (9 rooms, 4 baths,
tile roof, hot air heating system).

Owner—Withheld.

Architect—John E. Dinwiddie, Balboa
Building.

Sub-Contracts Awarded.

RESIDENCE Cost, \$—
BERKELEY, Alameda Co., Cal. Yo-
semite Road.

Two-story and basement frame and
stucco residence (6 rooms, 2 baths,
colored shingle roof, gas heating
system, hardwood floors, tile baths
etc.)

Owner—J. W. Hall, 1009 Fifth Avenue,
Oakland.

Plans by Owner.

Contractor—F. C. Stolte, 3455 Laguna
Ave., Oakland.

Brick Work—Henry Koenig, 4714 Con-
gress St., Oakland.

Roofing—Marshall Shingle Co., 3729
Telegraph Ave., Berkeley.

Ornamental Iron—Industrial Iron W'ks
1350 34th St., Oakland.

Electric Work—Fred Schmits, 430 Moss
Ave., Oakland.

Plumbing—J. A. Fazio, 402 Castro St.,
Oakland.

Heating and Sheet Metal—Golden Gate
Sheet Metal Co., 1422 14th Avenue,
Oakland.

Tile—Rigney Tile Co., 3012 Harrison
St., Oakland.

Painting—M. J. Turgeon, 512 E 12th
St., Oakland.

Glass—W. P. Fuller Co., 259 10th St.,
Oakland.

Millwork—Pacific Mfg. Co., 1315 7th
St., Oakland.

Linoeum—Clim - Er - Ege, 458 Santa
Clara, Oakland.

Contract Awarded.

RESIDENCE & OFFICE Cost, \$11,000
OAKLAND, Alameda Co., Calif. NW
East 15th St. and Miller Ave.

Two-story and basement frame and
stucco residence and office.

Owner—Dr. J. J. Gomes, 2326 E 14th
St., Oakland.

Architect—John I. Easterly, 824 37th
St., Oakland.

Contractor—H. E. Dickinson, % owner

Plans Being Revised.

BUNGALOW Cost, \$5000
LOS ALTOS, Santa Clara Co., Cal.

One-story frame and stucco bungal-
ow (5 rooms, shingle roof, hard-
wood floors).

Owners—Mr. and Mrs. Floyd Gray.

Architect—Keefe and Herberger, 3281
Lakeshore Blvd., Oakland.

Sub-Bids Being Taken.

RESIDENCES Cost, \$7000-\$8000
BURLINGAME, San Mateo Co., Cal.

One-story and basement and two-story
and basement frame and stucco
residences (hardwood floors, gas
heating system, Spanish type).

Owner—Globe Securities Co., Hunter-
Dulin Bldg., San Francisco.

Architect—Not Given.

Plans Being Completed.

RESIDENCE, ETC. Cost, \$20,000
NORTH SACRAMENTO, Sacramento
Co., Cal.

Two-story frame and stucco residence
composition shingle roof, 6
rooms, 1 1/2 bath, stable for
eight horses, concrete swimming
pool.

Owner—E. B. Hart, North Sacramento
Architect—Jens C. Petersen, 812 26th
St., Sacramento.

Plans Being Completed.

RESIDENCE Cost, \$7,000
SACRAMENTO, Sacramento Co., Cal.

Two-story frame and stucco residence
(7 rooms; composition shingle roof,
hardwood floors, tile bath, etc.)

Owner—Thos. H. Christensen, Sacra-
mento.

Architect—Jens C. Petersen, 812 26th
St., Sacramento.

Contract Awarded.

RESIDENCE Cost, \$67,500
LOS ANGELES, Cal. No. 10,529 Bel-
lagio Road.

Three-story frame and stucco resi-
dence (17 rooms) (50x176 ft.)

Owner—Sol M. Wurtzel,
Architect—Wallace Neff.

Contractor—C. C. Johnson & Son, 570
Sierra Vista Ave., Pasadena.

SCHOOLS

STOCKTON, San Joaquin Co., Cal.
Miller-Hays Plumbing Co., Grant and
Weber Sts., Stockton, at \$990 awarded
contract by Board of Education to fur-
nish and install vacuum pump for
Stockton High School. Other bids: E.
H. Grogan Co., \$1,050; E. L. Gnekow,
\$1,038; Paul-Harry Co., \$1,055.

Bids Opened.

GYMNASIUM Cost, \$45,000
VASCO, Kern Co., Cal.

Two-story concrete and brick gym-
nasium (steel frame; composition
roof; maple floors; steam heating
system).

Owner—Wasco Union High School
District.

Architect—Ernest J. Kump, Rowell
Bldg., Fresno.

General Work

C. H. Smith, Tulare.....\$47,206

Currie & Duglar, Bakersfield..... 47,800

E. J. Heffner, Fresno..... 47,998

G. A. Graham, Bakersfield..... 48,774

F. H. De Quine, Wasco..... 50,000

F. A. Greenough, Bakersfield..... 50,235

Fisher & McNulty, Fresno..... 50,995

Adolph Hansen, Fresno..... 51,117

Paul K. Jones, Bakersfield..... 51,889

George Isaac & Son, Bakersfield..... 52,000

Opperman & Hullett, Bakersfield..... 52,983

Henry Eisler, Bakersfield..... 53,000

W. T. Harris, Fresno..... 53,779

A. Zimmermann, Bakersfield..... 54,000

R. E. Lewis, Corcoran..... 55,692

Above bids taken under advisement.

Plumbing

F. H. Dequine (awarded), Wasco, \$2952

Binn's Plumbing Co., Bakersfield 3042

Gundlach Plmbg. Co., Bakersfield 4420

Heating

Newman & Hudson Co. (awarded)

Fresno..... \$3255

F. H. Dequine, Wasco..... 4444

Electric Work

Electric Service Shop (awarded)

Visalia..... \$2982.50

Tulare Elec. Co., Tulare..... 2597.00

Advance Elec. Co., Bakersfield 2857.00

Electric Constr. Co., Fresno..... 3093.00

Robinson Elec. Co., Fresno..... 3250.00

Completing Preliminary Plans.

ADDITION Cost, \$4500
SACRAMENTO, Sacramento Co., Cal.

Brick addition to junior college.

Owner—Sacramento Junior College
District.

Architect—Charles Deane, California
State Life Bldg., Sacramento.

Plans Being Figured—Bids Close Aug.

SCHOOL—2 1/2 M. Bonds of \$6,000 voted **SEVILLE**, Tulare Co., Cal.

School 12 classrooms, office and toilet rooms).

OWENS—Stone Corral School Dist., R. T. Mikesch, clerk, Route 3, Box 193, Visalia.

Architect—E. W. Peterson, Mason Bldg., Fresno.

Certified check or bidder's bond 10% payable to district required with bid. Plans obtainable from the architect on deposit of \$10, returnable.

Contract Awarded.

SCHOOL—Cont. Price, \$63,800 **ST. HELENA**, Napa Co., Cal.

One-story reinforced concrete grammar school (eight classrooms and auditorium).

Owner—St. Helena Grammar School District.

Architect—Wolfe & Higgins, Realty Bldg., San Jose.

Contractor—William Meyer, Cupertino.

Sub-Contracts Awarded.

SCHOOL—Cont. price, \$7,484 **NORTH SACRAMENTO**, Sacramento Co., Calif.

One-story brick veneer school (two classrooms); tile or composition roofing).

Owner—North Sacramento Grammar School District.

Architect—Paul Dragon & C. Schmidt, Mercantile Bank Bldg., Berkeley.

Contractor—M. R. Peterson, 116 O St., Sacramento.

Plumbing—A. W. Sweet, 1436 Del Paso Blvd., Sacramento.

Steel Toilet Partitions—Geo. C. Smith & Co., 1309 J St., Sacramento.

Finish Hardware—Diamond Match Co., Chico.

Universal Window—Universal Window Company.

Blackboards—C. F. Weber Co., 650 2nd St., San Francisco.

Glass and Glazing—W. P. Fuller Co., 1013 12th St., Sacramento.

Millwork—Capital City Planing Mill, Sacramento.

Lumber—Capital Lbr. Co., 37th and R Sts., Sacramento.

Iron Work—Palm Iron Works, 15th and S Sts., Sacramento.

Reinforcing Steel—Geo. C. Smith & Co., 1309 J St., Sacramento.

Plans Being Re-figured—New Bids To

Be Opened Aug. 14, 8 P. M. **SPECIAL FIXTURES** Cost, \$—

HOLLISTER, San Benito Co., Cal.

Special fixtures for school.

Owner—Hollister School District.

Architect—W. H. Weeks, 525 Market St., San Francisco.

Due to the fact that the official proposal did not appear in the stated issues of the local newspaper it was necessary to reject all bids and re-advertise. On previous call for bids following were submitted:

Special Fixtures

Fink & Schindler, 228 13th St., San Francisco, \$793.

Electric Work

Roy M. Butcher, 1020 Sherwood, San Jose, \$3198.

Heating bids were rejected. Plans will be revised and new bids called for.

Following is a complete list of bids: **Special Fixtures**

Fink & Schindler, San Francisco, \$7,394 (1) add \$378.

C. F. Weber Co., San Francisco, \$7,800 (1) add \$816.

Home Mfg. Co., San Francisco, \$7,960 (1) add \$564.

Pacific Mfg. Co., San Francisco, \$8,915 (1) add \$737.

Sheldon Co., San Francisco, \$9,440 (1) add \$600.

Electric Work

Roy M. Butcher, 1020 Sherwood, San Jose, \$2710 (1) add \$400 (2) add \$88.

Hollister Electric Co., Hollister, \$3,206 (1) add \$278 (2) add \$74.

Plans Being Figured—Bids Close Aug.

17, 8 P. M. **SCHOOL** Cost, \$50,000 to \$70,000

SACRAMENTO, Sacramento Co., Cal.

Thirty-fourth and W Streets.

One-story brick and steel manual training quarters for high school (mill construction roof).

Owner—City of Sacramento School Dist., Chas. Hughes, Superintendent, Board of Education.

Architect—Jens C. Petersen, 826 26th St., Sacramento.

Brick or plaster interior partitions, concrete floors, brick and some plaster interior finish, oil burning heating system. There will be considerable equipment for vocational departments.

Plans Being Figured. Cost, \$200,000

SCHOOL BLDGS. Cost, \$200,000

NORTH HOLLYWOOD, Los Angeles Co., Cal.

Five two-story reinforced concrete school buildings.

Owner—Sisters of Nazareth.

Architect—I. E. Loveless, Robertson Bldg., Beverly Hills.

Bids Opened.

LABORATORY Cost, \$—

PULLMAN, Washington.

Three-story reinf. concrete Oceanographic laboratory, 135x60-ft.

Owner—University of Washington, Pullman.

Architect—John Graham, Dexter-Horton Bldg., Seattle.

Low Bidder—Fitton and Livergreen, Coleman Bldg., Seattle, \$138,400.

ARCATA, Humboldt Co., Cal.—Until August 14, 5 P. M., bids will be received by J. R. Brown, clerk, Arcata School District, to furnish 400 sq. yds., more or less, best grade Cork or Battleship linoleum; to be fitted and glued to the floors and corridors on the main floor of the Elementary School. Samples must accompany bid.

Plans Being Completed.

SCHOOL Cost, \$18,000

LATON, Fresno Co., Cal.

One-story frame and stucco high school unit.

Owner—Laton Joint Union High School District.

Architect—W. D. Coates, Jr., Rowell Bldg., Fresno.

Structure will house administration rooms, including principal's office and supply rooms in addition to two classrooms. Bids will be taken within one week.

Contract Awarded.

GYMNASIUM Contract price, \$16,920 (first unit)

CHICO, Butte Co., Cal.

One-story brick gymnasium (composition roof, steam heating system, showers, lockers and steel sash).

Owner—Chico Union High School District.

Architect—Cole & Bruchard, 1st National Bank Bldg., Chico.

Contractor—W. J. Shalz, Chico.

BERKELEY, Alameda Co., Calif.—Following awards made by Berkeley Board of Education for school improvements:

Jefferson School Grading—Heafey-Moore Co., 344 High St., Oakland, \$7,095.

Emerson School Grading—H. A. Christie, Fort Bragg, \$2,431.83.

Bids for grading Garfield School will be re-advertised.

Fencing bids for all schools were rejected and new bids will be called for shortly.

Complete bid listing published July 29th.

Sub-Contracts Awarded.

SCHOOL Cost, \$60,000

STOCKTON, San Joaquin Co., Calif.

Channel and Pilgrim Sts.

Rough finish only for two-story brick vocational school (10 classrooms, 60x144-ft.)

Owner—Stockton City School District.

Architect—J. U. Cloudsley, Exchange Bldg., Stockton and Jos. Losekann, 1218 W. Harding St., Stockton, associated.

Contractor—Carl Nelson, 1421 E. Channel St., Stockton.

Steel floor joists, wood stud partitions, steam heating system, built-up roof.

Masonry—John Pengelly, 1426 East North St., Stockton.

Millwork—Union Planing Mill, Taylor and Sutter Sts., Stockton.

Structural Steel—Truscon Steel Co., Cal. Bldg., San Francisco.

Reinforcing Steel and Ornamental Iron—Truscon Steel Co., San Francisco.

Sheet Metal—Lafayette Sheet Metal Works, 418 E. Lafayette St., Stockton.

Glass and Glazing—W. P. Fuller Co., 301 Mission St., San Francisco.

Cement—A. Sandberg, 1846 Mt. Diablo, Brick work is being started.

Contract Awarded.

SCHOOL Cost, \$—

FRESNO, Fresno Co., Cal.

Frame and stucco addition to grammar school.

Owner—Bullard Grammar School Dist.

Architect—W. D. Coates Jr., 626 Rowell Bldg., Fresno.

Contractor—Clovis Lumber Co., Clovis.

Plans Being Figured—Bids Close Aug. 15th.

SCHOOL & HOME Cost, \$200,000

SAN FRANCISCO. Silver Avenue.

Four-story reinforced concrete girls' school and home.

Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St.

Architect—H. A. Minton, 525 Market Street.

James L. McLaughlin Co., 251 Kearny St., is figuring the plans.

Bids Opened.

CLOCKS, ETC. Cost, \$—

ALBANY, Alameda Co., Cal.

Install program clocks and fire alarm systems in Herbert Hoover Junior High School and Marin Avenue School.

Owner—Albany School Dist., Lloyd J. Fletcher, secretary.

Architect—P. L. Dragon, Mercantile Bank Bldg., Berkeley.

Following is a complete list of bids:

(1) Herbert Hoover School (2) Marin and Cornell Schools.

Standard Electric Time Co., 350 Parker St., Berkeley (1) \$1050 (2) \$1970.

International Time Recording Co., San Francisco (1) \$1125.70 (2) \$2291.70.

F. A. Thomas Co., San Francisco (1) \$1140.19 (2) \$2238.04.

Bids held under advisement until August 4.

Plans Being Figured—Bids Close Aug.

18th. **SCHOOL ANNEX** Cost, \$10,000

BIEBER, Lassen Co., Cal.

Two-classroom and gymnasium annex for Bieber Elementary School.

Owner—Bieber Elementary School District.

Architect—Ralph D. Taylor, Alturas.

Wood frame, stucco exterior, composition shingle roof, frame plastered interior, partitions, heating system, hot air, Oregon pine interior finish.

To Take Bids About August 15.

GYMNASIUM Cost, \$1,000,000

LOS ANGELES, Calif. University of California Campus.

Two one-story class B steel and concrete gymnasium buildings (men's and women's gymnasiums).

Owner—University of California.
Architect—George Kelham, 315 Montgomery St., San Francisco.

Sub-Contracts Awarded.
ADDITION Cost, \$204,800
SAN FRANCISCO. Scott and O'Farrell Streets.

Two-story and basement brick and steel frame addition to Girls' High School (terra cotta front).

Owner—City and County of San Francisco, S. J. Hester, Sect'y., Board of Public Works.

Architect—F. H. Meyer, 525 Market Street.

Contractor—Mahony Brothers, Flood Building.

Terra Cotta—N. Clark & Son, 116 N. Alameda Street.

House Moving—D. J. Sullivan, 1942 Polson St.

Structural Steel—Herlick Iron Works, 18th and Campbell Sts., Oakland.

Grading—Sibley Grading & Teaming Co., 165 Landers St.

Ornamental Iron—Michel & Pfeffer Iron Works, 10th and Harrison.

Steel Lockers—Worley & Co., 32 N. Alameda St.

Vault Doors—Hermann Safe Co., Howard and Main Sts.

Marble—Jos. Musto Sons—Keenan Co., 535 North Point St.

Reinforcing Steel—Gunn, Carle & Co., 444 Market St.

Steel Sash—Soule Steel Co., Rialto Building.

Painting—D. Zelinsky & Son, 165 Grove Street.

Millwork—National Mill & Lumber Co., 230 California St.

Cafeteria Equipment—Mangrum - Holbrook & Co., 1235 Mission St.

Tile Work—Mangrum-Holbrook & Co., 1235 Mission St.

Plans Being Figured—Bids Close Aug. 10th, 8 P. M.

ROOFING Cost, \$—
HANFORD, Kings Co., Cal.

New roofing on certain portions of high school buildings (area to be covered approximately 125 squares).

Owner—Hanford Joint Union High School District, G. W. Armstead, clerk.

Architect—Not Given.

Certified check or bidder's bond 10% required with bid. Specifications obtainable from the clerk at Hanford.

MONTEREY, Monterey Co., Calif.—Following is a complete list of bids received by Monterey Union High School District to furnish and install lockers in the new gymnasium.

(a) Group 1 (b) group 2 (c) group 3 (d) group 4 (e) group 5 (f) group 6 (g) group 7 (h) group 8.
Worley & Co., 39 Natoma St., San Francisco, (a) \$744 (b) \$124.27 (c) \$65.43 (d) \$18.75 (e) \$985.12 (f) \$1,148.72 (g) \$2,039.50 (h) \$2,101.17.

Lyons Metal Products Co., Hunter-Dulin Bldg., San Francisco, (a) \$671.60 (b) \$95.20 (c) \$70.00 (d) \$24.25 (e) \$856.74 (f) \$1,952.79 (h) \$—
Medart Mfg. Co., 7 Front Street, San Francisco, (a) \$621.50 (b) \$96.39 (c) \$75.32 (d) \$22 (e) \$841.02 (f) \$1,254.32 (g) \$1,881.86 (h) \$2,305.76.

Bids held under advisement.

To Ask Bids About August 15.

GYMNASIUM Cost, \$1,000,000

BERKELEY, Alameda County, Calif.

Campus of University of California.

Class A steel frame and concrete gymnasium.

Owner—University of California, Berkeley.

Architect—George Kelham, 315 Montgomery St., San Francisco.

Bids Opened.
SCHOOL Cost, \$65,827
ST. HELENA, Napa Co., Cal.
One-story reinforced concrete grammar school (eight classrooms and auditorium).

Owner—St. Helena Grammar School District.

Architect—Wolfe and Higgins, Realty Bldg., San Jose.

Low Bidder—Wm. Meyer, Cupertino.

Following is a complete list of bids:

Wm. Meyer, Cupertino..... \$63,809
Paul Anderson, San Jose..... 66,499
The Minton Co., Palo Alto..... 67,741
Geo. Peterson, San Leandro..... 68,500
P. T. Wallstrom, Watsonville..... 71,980

Contract will probably be awarded to low bidder today.

BERKELEY, Alameda Co., Calif.—Horn Mfg. Co., 552 Brannan St. San Francisco, at \$5,274 awarded contract by Regents of the University of California to furnish and install laboratory furniture for Life Science Bldg.

Prospective Bidders.
ADDITION Cost, \$6000
CONCORD, Contra Costa Co., Cal. Mt. Diablo High School.

Addition to gymnasium (add dressing rooms and showers, etc.; frame construction, tile floors and walls, gas steam radiation, hot water storage tank and heater, composition roofing.)

Owner—Mt. Diablo Union High School District, Concord.

Architect—Paul D. Dragon and C. R. Schmidt, Mercantile Bank Bldg., Berkeley.

Following is a partial list of the contractors who will submit bids:

L. Z. Perry, Concord.

N. H. Sjoberg & Son, Call Bldg., San Francisco.

George A. Scott, 685 23rd St., Oakland.

S. O. McDonald & Son, 2912 Deakin, Berkeley.

J. B. Bishop, 1323 E 25th St., Oakland.

A. C. Brunell, 1023 Walnut Street, Berkeley.

B. F. Cowsley, Pittsburg.

Bids are to be opened Aug. 14th, 7:30 P. M.

Bids Opened.
HEATING PLANT Cost, \$—
BERKELEY, Alameda Co., Cal.

Supplies for use in repairing Washington School heating plant.

Owner—Berkeley City School District, Clara F. Andrews, secretary.

Following is a complete list of bids:

Plant Rubber & Asbestos Co., 537 Brannan St., S. F..... \$ 260.00

Jones Bros. Asbestos Supply Co., San Francisco..... 261.00

Bay City Asbestos Co., Ltd., Oakland..... 261.00

Crane Co., San Francisco..... 1,376.60

Walworth Co. of California, San Francisco..... 1,396.28

Grinnell Co. of Pacific, San Francisco..... 1,439.69

Bids held under advisement.

Working Drawings Being Prepared.

ADDITION Cost, \$4500
SACRAMENTO, Sacramento Co., Cal.

Brick addition to junior college.

Owner—Sacramento Junior College District.

Architect—Charles Dean, California State Life Bldg., Sacramento.

Bids will be asked in about 1 week.

Contract Awarded.

ADDITION Cost, \$2200
YREKA, Siskiyou Co., Cal.

One-room brick addition to grammar school.

Owner—Yreka Elementary School District, Mrs. Ethel Gillis, clerk.

Architect—Not Given.

Contractor—D. M. Reid, Yreka.

Bids Opened.
HEATING Cost, \$—
MODESTO, Stanislaus Co., Cal.
Heating system for North Unit of the Modesto Junior College.
Owner—Modesto City School District, E. D. Abbott, secretary.
Architect—Davis-Pearce Co., Builders' Bldg., Stockton.

Following is a complete list of bids:

(a) oil burning (b) gas heating.
H. A. Trueblood, Modesto (a) \$5785 (b) \$5570.

D. R. Hoffman, Modesto (a) \$6040 (b) \$5763.

Brandt Bros., Stockton (a) \$6462 (b) \$6113.

Miller-Hays Co., Stockton (a) \$6469 (b) \$6453.

Pacific Heating & Ventilating Co., Oakland (a) \$6840 (b) \$6420.

C. E. Hedman, Turlock (a) \$7051 (b) \$6756.

Carpenter and Mendenhall, Sacramento (a) \$7372 (b) \$7028.

Bids held under advisement.

Prospective Bidders.
SCHOOL Cost \$50,000 to \$70,000
SACRAMENTO, Sacramento Co., Cal. Thirty-fourth and W Streets.

One-story brick and steel manual training quarters for high school (mill construction roof).

Owner—City of Sacramento School Dist., Chas. Hughes, Superintendent, Board of Education.

Architect—Jens C. Petersen, 826 26th St., Sacramento.

Brick or plaster interior partitions, concrete floors, brick and some plaster interior finish, oil burning heating system. There will be considerable equipment for vocational departments.

Following contractors have secured plans:

M. R. Petersen, 1544 37th St., Sacramento.

George D. Hudnutt, 1915 S. St. Sacramento.

Azevedo & Sarmento, 920 O St. Sacramento.

Campbell Construction Co., 800 R St., Sacramento.

McGillivray Construction Co., Folsom Blvd. and 65th St., Sacramento.

Yoho & Dauger, 4452 27th St., Sacramento.

Guth & Fox, 1528 27th St., Sacramento

F. L. Hansen.

Harry Robertson, 3004 F. St., Sacramento.

William C. Keating, Forum Bldg., Sacramento.

Gene Kenyon, North Sacramento.

Bids are to be opened August 17th at 8 P. M.

Bids Opened.
ADDITIONS Cost, \$—
BAKERSFIELD, Kern Co., Cal.

Alterations and additions to Wildwood School.

Owner—Wildwood School District, D. M. Crawford, clerk.

Architect—Edwin J. Symmes, Habersfelde Bldg., Bakersfield.

Complete list of bids follows:

J. H. Dirksen, Shafter..... \$3,189

W. K. Mitchell, Bakersfield..... 3,257

F. H. Greenough, Bakersfield..... 3,420

A. Zimmerman, Shafter..... 3,637

F. H. Dequigne, Wasco..... 3,760

Currie & Duglar, Bakersfield..... 3,774

Opperman and Hullett, Bakersfield..... 3,814

E. W. Paynter, Bakersfield..... 3,850

Construction postponed indefinitely due to insufficient funds in the district treasury.

Contract Awarded.

SCHOOL Cost, \$47,796
WELLS, Nevada.

Eight-classroom school.

Owner—Wells School District.

Architect—Geo. A. Ferris & Son, Cladanos Bldg., Reno, Nevada.

Contractor—Ralph E. Rockwell, Elko, Nevada.

BERKELEY, Alameda Co., Calif.—Until August 17, A. E. M. bids will be received by Clara F. Andrews, secretary, Board of Education, 2323 Alivia St., to construct immediate reinforced concrete transition sections and a concrete culvert in Strawberry Creek on the site of the Barbank Junior High School gymnasium in the south side of Addison Street between Brown and Curtis Streets. Certified check 10% payable to Berkeley High School District of Alameda County required with bid. Plans obtainable from secretary on deposit of \$5, returnable.

BANKS, STORES & OFFICES

Plans Being Figured—Bids Close August 15, 2 P. M.
BULKHEAD BLDG. Cost, \$50,000
SAN FRANCISCO. Head of Pier 53. Steel frame stucco front bulkhead building (t and gravel roof).
Owner—State of California (Harbor Commission).
Engineer—Frank G. White, Chief Engineer, Ferry Bldg.

Electric Wiring Contract Awarded.
STORES. Cost, \$1,000,000
OAKLAND, Alameda Co., Calif. NW 28th St. and Broadway.
Eight-story and basement class A reinforced concrete furniture display rooms and stores, 100x280-ft.
Owner—Pacific States Auxiliary Corp. Lessee—John Brunner Co., 15th and Clay Sts., Oakland.
Architect—Albert F. Roller, 1st National Bank Bldg., San Francisco.
Engineer—H. J. Brunner, Sharon Bldg., San Francisco.
Contract—F. J. Walker Co., Sharon Bldg., San Francisco.
Electric Wiring—NePage-McKenny Co., 128 10th St., Oakland, \$22,930.
Other awards reported May 18, 1931.

Plans Being Figured By Selected List Of Contractors. Cost, \$7000
SALINAS, Monterey Co., Cal.
Alterations to one-story brick store (new store fronts, etc.)
Owner—Hollywood Smart Shop.
Architects—Louis Upton and George Ralph, 110 Sutter St., San Francisco.

Preparing Preliminary Plans.
MARKET. Cost, \$25,000
BERKELEY, Alameda Co., Cal. Telegraph and Ward St.
One-story brick and tile drive-in market (steel trusses; composition roof).
Owner—J. E. Holstrom.
Architect—Treichel & Goodpastor, 1540 San Pablo Ave., Oakland.

Contract Awarded.
STORE. Cont. price, \$76,000
SANTA ROSA, Sonoma Co., Calif. 4th Street.
Three-story brick and concrete store building (salesroom and offices; 60 by 90-ft.)
Owner—S. H. Kress and Co., 621 S Broadway, Los Angeles.
Architect—John Fleming, 1031 South Broadway, Los Angeles.
Contractor—Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.
The building will have composition roofing, steel sash, hardwood floors, plate glass, etc.

Plans Completed.
MARKET. Cost, \$25,000
SACRAMENTO, Sacramento Co., Cal. Drive-in market.
Owner—E. M. Reagh, et al, 2830 U St., Sacramento.
Architect—Jens C. Petersen, 826 26th St., Sacramento.

Plans Being Completed—Contract Awarded.
OFFICES. Cost, \$325,000
SAN FRANCISCO. N McAllister W Polk St. (60x120 feet).
Six-story and basement Class A reinforced concrete offices (terra cotta and granite facing; steam heating system, etc.)
Owner—Perry F. Burke, % Wm. Magee, 60 Sutter St., San Francisco.
Architect—Elias & Fairweather, Balboa Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Engineer—T. Ronneberg, Crocker Bldg., San Francisco.
Building is to be completed by January 1, 1932.

Sub-Contracts Awarded.
STORE. Cont. Price, \$19,397
OAKLAND, Alameda Co., Cal. Fourteenth and Webster Sts.
One-story reinforced concrete store (8 stores).
Owner—Mrs. A. F. Merriman, % Coldwell, Cornwall & Banker, 405 14th St., Oakland.
Architect—Chas. McCall, 1404 Franklin St., Oakland.
Contractor—Emil Person, 829 San Luis Road, Oakland.
Concrete—Nat Lena, 1174 19th St., Oakland.
Plastering—J. Rinaldi, 836 52nd St., Oakland.

Contract Awarded.
OFFICE BLDG. Cont. price, \$5798
OAKLAND, Alameda Co., Cal. Telegraph Avenue.
Two-story frame office building (composition roof).
Owner—Withheld.
Architect—Williams and Wastell, 374 17th St., Oakland.
Contractor—F. A. Kurtz, 364 41st St., Oakland.

Bids Opened.
STORE. Cost, \$10,000
NEW MONTEREY, Monterey Co., Cal. Store building (reinforced concrete walls, concrete floors, tile and frame roof, steel sash, plate glass, etc.)
Owner—E. B. Gross, Monterey.
Architect—Swartz & Ryland, Spazier Bldg., Monterey.
General Work
M. J. Murphy, Carmel.....\$6,166
C. W. Dempsey, Pacific Grove.....6,286
T. Dean, Pacific Grove.....7,600

Roofing
C. L. Frost, 165 Webster Street, Monterey.....\$316
Tynan Lumber Co., Monterey.....380
T. A. Work, Monterey.....439

Plumbing
Barton-Oil-O-Matic, 635 Cass St., Monterey.....\$499.50
Phillips Heating & Plumbing Co., Monterey.....466.17
Anderson, Dougherty & Hodges, Monterey.....490.00

Electric Work
D. Searles, 765 Lighthouse Ave., Monterey.....\$270.00
McConnell Elec. Works, Monterey.....278.00
Tice Elec. Shop, Monterey.....298.00

Sheet Metal
Vosmer Sheet Metal Works, 526 Munras Way, Monterey.....\$124.00
Barton-Oil-O-Matic, Monterey.....165.75
Anderson, Dougherty & Hodges, Monterey.....230.00
Phillips Heating and Plumbing Co., Monterey.....383.29
Contracts will be awarded to low bidders within a few days.

Contract Awarded.
ALTERATIONS. Cost, \$3000
SAN MATEO, San Mateo Co., Calif. Third Avenue.
Alterations to frame building (install counter, lay linoleum, etc.)

Owner—Pacific Gas & Electric Co., 245 Market St., San Francisco.
Plans by Eng. Dept. of Owner.
Contractor—H. H. Larsen Co., 64 So. Park, San Francisco.

Contract Awarded.
STORE. Cost, \$7000
SAN FRANCISCO. Ocean Avenue and Fairfield.
One-story frame and stucco store (composition roof).
Owner—C. E. L. Shaw.
Architect—Bertz, Winter & Maury, 210 Post Street.
Contractor—G. P. W. Jensen, 320 Market Street.

Sub-Contracts Awarded.
STORE. Cont. price, \$19,397
OAKLAND, Alameda Co., Calif. 14th and Webster Streets.
One-story reinforced concrete store (8 stores).
Owner—Mrs. A. F. Merriman, % Coldwell, Cornwall & Banker, 405 14th St., Oakland.
Architect—Chas. McCall, 1404 Franklin St., Oakland.
Contractor—Emil Person, 829 San Luis Road, Oakland.
Concrete—Nate Lena, 1174 19th Street, Oakland.

Plastering—J. Rinaldi, 836 52nd St., Oakland.
Painting—Mathews Paint Co., 1155 Mission St., San Francisco.
Tile Work—Superior Tile Co., 3743 Broadway, Oakland.
Sheet Metal—Superior Sheet Metal Co. Terra Cotta—Gladding, McBean & Co. 22nd and Market Sts., Oakland.
Plumbing—J. A. Fazio, 402 Castro St., Oakland.

Contracts Awarded.
STORE. Cost, \$10,000
NEW MONTEREY, Monterey Co., Cal. Store building (reinforced concrete walls, concrete floors, tile and frame roof steel sash, plate glass, etc.)
Owner—E. B. Gross, Monterey.
Architect—Swartz & Ryland, Spazier Bldg., Monterey.
Contractor—M. J. Murphy, Carmel, \$6-166.

Roofing—C. L. Frost, 165 Webster St., Monterey, \$316.
Plumbing—Barton - Oil - O - Matic, 633 Cass St., Monterey, \$499.50.
Electric—D. Searles, 765 Lighthouse Ave., Monterey, \$270.
Sheet Metal—Vosmer Sheet Metal Works, 526 Manuras Way, Monterey, \$124.

Preparing Working Drawings.
ADDITION. Cost, \$81,000
SACRAMENTO, Sacramento Co., Cal. Two-story and basement reinforced concrete addition to State Printing Office.
Owner—State of California.
Architect—Martin A. Sheldon, Monadnock Bldg., San Francisco.
Structural Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Heating Engineer—Leland & Haley, 53 Sutter St., San Francisco.

Contract Awarded.
ALTERATIONS. Cost, \$7000
SALINAS, Monterey Co., Cal.
Alterations to one-story brick store (new store fronts, etc.)
Owner—Hollywood Smart Shop.
Architect—Louis Upton and George Ralph, 110 Sutter St., San Francisco.
Contractor—E. L. Kenville, 130 John St., Salinas.

Work Under Way.
REMODELING. Cost, \$1500
OAKLAND, Alameda Co., Calif. 19th and Telegraph Ave.
Remodel store for market (plate glass, tile work, etc.)

Owner—Withheld.

Architect—Albert Evers, 5 2 5 Market St., San Francisco.

Contractor—Wilbur Cone, 1744 Broadway, Oakland.

Plans Being Placed—Bids Close Aug. 10th, 2 P. M.

NEWS-PAPEr OFFICE Cost, \$25,000
REDWOOD CITY, San Mateo Co., Cal. One- and two-story reinforced concrete office building.

Owner—Peninsula Newspapers, Inc., 248 Hamilton St., Palo Alto.

Architect—John B. McCool, 381 Bush St., San Francisco.

Preparing Preliminary Plans.

ALTERATIONS Cost, \$3500
OAKLAND, Alameda Co., Cal. Grand Ave. near Webster St.

Alterations to class C building (new partitions, hardwood floors, fixtures, etc.)

Owner—Withheld.

Architect—Guy L. Brown, American Bank Bldg., Oakland.

Planned.

MARKET Cost, \$—
OAKLAND, Alameda Co., Cal. Grand Avenue and Euclid.

Drive-in market.

Owner—B. Berovich, Central Bank Bldg., Oakland.

Architect—Not Selected.

Sub-Contracts Awarded.

STORE Cost, \$10,000
OAKLAND, Alameda Co., Cal. SE 8th St. and Broadway.

One-story reinforced concrete store.

Owner—Capital Co., 1008 Oakland B'k Bldg., Oakland.

Architect—H. A. Minton, 525 Market St., San Francisco.

Contractor—Jacobs and Pattiani, 337 17th St., Oakland.

Excavation—Ariss-Knapp, 961 41st St., Oakland.

Plumbing—Minogio Bros., 2316 Telegraph Ave., Oakland.

Sheet Metal—Fioren & Arneson, 2919 Union St., Oakland.

Cast Stone—Fred Ferrero, 1715 Webster St., Alameda.

Completing Plans.

REMODELING Cost, \$—
SAN RAFAEL, Marin Co., Cal. No. 530 E Street.

One-story hollow tile and stucco top addition to newspaper building and remodel ground floor.

Owner—Harry Lutgens, % The Independent, 530 E St., San Rafael.

Architect—N. W. Sexton, deYoung Bldg., San Francisco.

Plans will be completed within a few days. Upon approval of plans by owner bids will be called for.

THEATRES**Sub-Bids Being Taken.**

THEATRE Cost, \$65,000
PALO ALTO, Santa Clara Co., Calif. University Ave. near Cowper St. (62½x150-ft.).

Two-story concrete theatre and store (to seat 1000; Gothic type).

Owner—United Artists Theatre of California, Jos. M. Schenck, vice-president, 1966 S Vermont Street, Los Angeles.

Architect—Walker & Eisen and C. A. Balch, Western Pacific Bldg., Los Angeles.

Contractor—Barrett & Hip, 918 Harrison St., San Francisco.

Monolithic concrete exterior finish; hot air heating system, gas furnace, composition roof.

Ornamental Iron Contract Awarded.

THEATRE Cost, \$500,000
ALAMEDA, Alameda Co., Cal. North Central Ave. W Park St.

Structural steel frame and reinforced concrete theatre (to seat 2200; 126 by 210 feet).

Owner—Alameda Amusement Co.

Architect—Miller & Pfeiffer, 580 Market St., San Francisco.

Contractor—Sullivan Bros., 25 Taylor St., San Francisco.

Ornamental Iron—California Artistic Wire & Metal Co., 349 7th Street, San Francisco.

COLUSA, Colusa Co., Cal.—Washington Block, a two-story brick structure, in Fifth St., bet. Market and Jay streets, destroyed by fire August 1 with a loss of \$50,000 of which one-half is covered with insurance.

Preparing Working Drawings.

STORE Cost, \$65,000
SAN MATEO, San Mateo Co., Cal. Second Ave. and Main St.

One and one-half-story reinforced concrete store; terra cotta exterior, composition roofing (8 stores and mezzanines).

Owner—Merkel Bros., 201 B St., San Mateo.

Architect—Edwards & Schary, 559 Montgomery St., San Francisco.

Bids will be asked in about thirty days.

WHARVES AND DOCKS

Reinforcing Steel Contract Awarded.

PIER Cost, \$2,570
SAN FRANCISCO. Foot of Van Ness Ave., Aquatic Park.

400 ft. pier (first unit of 900 ft. pier, 60 ft. wide, hollow concrete piles, iron railings).

Owner—City of San Francisco (Park Commission), Park Lodge, Golden Gate Park, San Francisco.

Plans by Owner.

Contractor—Healy-Tibbitts Const. Co., 64 Pine St., San Francisco.

Reinforcing Steel—Soule Steel Co., 1750 Army St., San Francisco.

MISCELLANEOUS CONSTRUCTION**Excavation Under Way.**

MAUSOLEUM Cost, \$80,000
SAN MATEO COUNTY, Cal. Mount Olivet Cemetery.

First unit of mausoleum (reinforced concrete construction; marble and bronze interior).

Owner—Mt. Olivet Cemetery.

Architect—Olm, Resing & McGuinness, 488 Pine St., San Francisco.

Excavation is now under way by owner. Work will be handled on segregated bid bases by owner as work progresses.

Sub-Contracts Awarded.

GRANDSTAND Cost, \$7795.50
STOCKTON, San Joaquin Co., Calif. Oak Park.

Grandstand to replace structure destroyed by fire.

Owner—City of Stockton.

Architect—Not Given.

Contractor—Wellman Buck, 301 East Wyandotte St., Stockton.

Lumber—Central Lumber Co., 1001 E Channel St., Stockton.

Steel and Bolts—C. Jory & Sons, Aurora and Taylor Sts., Stockton.

Reinforcing Steel—F. A. Klinger, 1269 N Pilgrim, Stockton.

Concrete—D. J. De Paoli, 545 E Park St., Stockton.

BAY POINT, Contra Costa Co., Cal.—A. H. Feasey, general contractor, 210 Clara St., San Francisco, is reported to be planning a \$350,000 harbor project on the Bay Point waterfront, where it is said he has purchased 58 acres of land. The new construction will provide a port of call for steamers plying between San

Francisco, Stockton and Sacramento. Included in the project was the purchase of two blocks of undeveloped property adjoining. The purchase price of the waterfront land was given at \$150,000. Projects contemplated for the residential property will represent an additional outlay of \$250,000. Work will begin almost immediately on the construction of piers and warehouses, after the necessary dredging.

MODESTO, Stanislaus Co., Calif.—Until August 24, 2 P. M., bids will be received by C. S. Abbott, secretary, Modesto Irrigation District, to furnish 20,000 bags of Portland cement in paper bags, delivered as follows:

At Modesto on the side of the corporation at Woodland Avenue, f.o.b., 15,500 bags;

At Waterford, Calif., 4,500 bags.

Certified check or bidder's bond 5% payable to district required with bid. Further information obtainable from above.

Plans Completed.

SWIMMING POOL Cost, \$—
NORTH SACRAMENTO, Sacramento Co., Cal. Del Paso Park.

Reinforced concrete and tile swimming pool (150x200 ft.) (modern Parisian style).

Owner—Withheld.

Architect—Jens C. Petersen, 812 26th St., Sacramento.

Whether bids will be called for or not is indefinite at this time.

Bids Opened.

BORDER STATION Cost, \$8000
CRESCENT CITY, Del Norte Co., Cal. One-story border station (frame and log construction).

Owner—State of California.

Architect—Geo. McDougall, state architect, Public Works Bldg., Sacramento.

Following is a complete list of bids:

Oliver S. Almie, 1445 24th Ave., San Francisco.....\$ 8,738

F. J. Maurer, Eureka.....9,250

Frank Johnson, Arcata.....9,384

Chester Cutting, Crescent City.....9,540

Chris Winkler, Ferndale.....10,275

Mercer-Fraser Co., Eureka.....10,716

Halsey & Lax, Eureka.....10,793

Bids held under advisement.

Project Pending.

RACING COURSE Cost, \$1,000,000
NEAR REDWOOD CITY, San Mateo Co., Cal. On Woodside Road one-half mile below "Five Points."

Clubhouse, administration building and grandstand, all of Mission type of construction; horse racing course; polo grounds, etc.

Owner—Fair Oaks Racing & Polo Club represented by Gene Normile, St. Francis Hotel, San Francisco.

Architect—Willis Polk & Co., 277 Pine St., San Francisco.

By a vote of four to one the San Mateo County supervisors passed an ordinance prohibiting the establishment of this race horse course near Woodside. The ordinance provides that such courses cannot be constructed in "un-incorporated areas of San Mateo County."

AGNEW, Santa Clara Co., Calif.—Raymond Concrete Pile Co., Hunter-Dullin Bldg., San Francisco, at \$3,885 submitted the bid to State Department of Public Works for pile driving for foundations for water tower at Agnew State Hospital. Only other bid submitted by Ralph Hunter, Stockton, at \$4,200.

MISCELLANEOUS SUPPLIES AND MATERIALS

SAN FRANCISCO—City of San Francisco, 100 lbs. awarded contract by City Pur-

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chasing Agent, under Proposal No. 742, to furnish and deliver 4 miles of 3.0 round high strength copper alloy trolley wire, allowing \$20 each for empty reels returned.

SAN FRANCISCO — Doidge & Koren Paint Co., 2095 San Bruno Ave., at \$80 per gallon in barrels, awarded contract by City Purchasing Agent, under Proposal No. 742, to furnish and deliver concrete paint for the Kesar Stadium for the Board of Park Commissioners.

ALAMEDA, Alameda Co., Cal. — City council rejects bids for sale of scrap iron of electric lighting department and sale of the junk will be deferred until the market improves. Bids were \$4 a ton for common and \$6 a ton for cast iron scrap.

BUSINESS OPPORTUNITIES

Names and addresses of persons or firms concerned in the following opportunities will be furnished on request to **Business Opportunity Department**, Daily Pacific Builder, 547 Mission St., San Francisco or Phone GARfield 7744:

21265—Traveling Agency. Ravensburg, Germany. Party anxious to act as traveling agent for firms interested in exporting their goods to England, Italy, Austria or Switzerland. References available.

21268—Steel Construction. Vienna, Austria. Well reported firm of manufacturers interested in bidding on steel contracts for railway construction, bridges, electric power stations, buildings, etc. Reported to have carried out important public works in Austria and other central European countries.

21272—Representation. San Francisco. Peruvian returning to his country in August, would be interested in discussing with San Francisco manufacturers the possibility of representing them in Peru.

21274—Weather Bureau Equipment. Tegucigalpa, Honduras. Party requests literature, catalogues and price quotations on weather bureau equipment and meteorological equipment used in aviation.

21275—Exposition. Oakland, Calif. Party wishes to interview Pacific Coast manufacturers interested in exhibiting their wares in Latin-American countries.

Mr. Frank Gahm, 1936 East Washington St., Pasadena, Calif. Manufacturer of all steel tools such as rod cutters, angle iron cutters, punches, light metal shears and heavy metal shears, wishes to secure factory representative.

Maure Alexander, 1207 East Lynn St., Seattle, Wash., wishes to represent San Francisco manufacturers in Washington, Oregon, Idaho, Montana, Wyoming and Alaska. Will carry warehouse stocks.

D. P. Whelan Co., 2301 Telegraph Ave., Berkeley, Calif., is interested in obtaining manufacturers agency contacts for the territories of Northern California, California State or Pacific Coast, with local, Eastern or foreign manufacturers.

Shovels, scoops, spades and draining tools form the subject of Catalog D, a handsomely bound 56 page illustrated publication of the Wood Shovel & Tool Co., Fiqua, Ohio. An unusual feature is a pictorial margin index.

Application of Papico natural gas odorization equipment is the subject of a leaflet issued by the Pacific Pipe & Supply Co., 1002 Santa Fe Ave., Los Angeles.

ENGINEERING SOCIETIES EMPLOYMENT SERVICE

Further information regarding positions listed in this column is obtainable from Newton D. Cook, Room 715, 67 Post Street, San Francisco. (Phone Sutter 1684).

R-3617-S SALES ENGINEERS, experienced, to develop sales of a complete line of centrifugal pumps for large eastern company maintaining western district manager. Applicants must know pumps thoroughly and be qualified to go after the largest orders in their territory. Liberal commission. Apply by letter with details of experience, references, past earnings, etc. Correspondence confidential. Territories open in all Western States. Headquarters, San Francisco.

R-3598-S CHIEF DRAFTSMAN, mechanical engineer with at least five years' experience in the employ of a company manufacturing conveying machinery as designer or engineer. Production experience in this line absolutely essential. Salary depends upon experience. Apply by letter with details and salary expected. Location, San Francisco.

R-3622-S ENGINEER, preferably mechanical, although would consider any technical graduate who could adapt himself to the job. Must know machine design, have some shop experience and be qualified to handle men on water well drilling rigs. Permanent. Moderate salary to start. Apply by letter. Location, Northern California.

W-3648-C-S (K-364) CHEMICAL ENGINEER, under, 40, having had thorough training in chemical engineering in general and with a record of successful practical experience in the paper making industry. Apply only by letter. Location, New England.

W-2389-C-S (K-373) MECHANICAL ENGINEER for designing and layout of equipment for roundhouses and back shops. Should have practical experience in locomotive operation and repair and car repair. Must have at least 15 years' practical experience in the above mentioned lines. Salary, \$500-\$600 a month, 10% off for income tax, balance 40% in American money and 60% in rubles for living expenses. Transportation furnished. Apply only by letter. Location, Moscow.

W-2391-C-S (K-375) CIVIL ENGINEER with considerable experience in design and construction of buildings for roundhouses, back shops, car shops and other railroad industrial buildings. Must have at least ten years' experience in this line. Same terms and conditions as in W-2389-C-S above.

"And now the paper barrel. B. F. Perkins & Sons, Inc., machinery manufacturers of Holyoke, Mass., announces that following months of study and research with E. P. Everett, a New York inventor, an all-paper barrel has been perfected which they believe should bring to the paper board industry greatly increased business for their chip and news board divisions, and secure a substantial share of the present business in wooden barrels of 1,000,000 annually, in which are consumed approximately 9,000,000 staves," says the American Lumberman.

Ford Motor Co. will shortly award a contract for a new assembling plant to be erected in Mexico City. The plant will cost \$1,500,000 pesos and will employ 800 men. It will have a capacity of 100 cars a day.

LOCAL ENGINEERS URGED FOR PLANNING S. F.-OAKLAND BRIDGE

Appointment of San Francisco engineers on the technical staff for the San Francisco-Oakland bay bridge, a \$75,000,000 project, is urged by the Structural Engineers' Association of Northern California.

The association urges such employment in a resolution forwarded to Angelo Rossi, mayor of San Francisco, and other interested officials.

The resolution is published herewith: "Whereas, it is the intention of the state of California to construct the San Francisco bay bridge, connecting San Francisco and Alameda counties, and

Whereas, the future growth and prosperity of the city of San Francisco are vitally bound up in the bridge design and layout of its approaches, and

"Whereas, a large part of the cost of the proposed bridge will be met by the people of San Francisco,

"Be it Resolved, that it is the opinion of the Structural Engineers' Association of Northern California that the city of San Francisco should have a proper technical representation with the authority in charge of the bridge design.

"And whereas, this project is an engineering and a local problem, and whereas local engineers are best acquainted with the foundation, industrial, traffic and other problems involved, therefore,

"Be it further Resolved, that it is the opinion of this association that the best interests of the state and city will be served by the appointment of two or more qualified local engineers who could fully present San Francisco's needs and interests and bring to the authority in charge of this construction their fund of engineering, industrial, traffic and other knowledge which has been accumulated by many years of close contact with the growth of San Francisco."

Louisville, Ky., has been selected as the place, and the week of January 25, 1932, as the time for the first joint convention of the National Association of Sheet Metal Contractors, the Roofing Division of the National Slate Association and the United Roofing Contractors Association of North America. These three organizations heretofore have gone their own way in the matter of annual conventions, each meeting at a different city and at a different time of the year, although all, as roofing contractors, have had many interests in common. At Louisville, in January, next, they will hold a joint convention which promises to surpass, in point of attendance and interest, any annual meeting that could possibly be staged by any one of these organizations.

Reports of new orders for fabricated structural steel for the week ending July 11, 1931, were received from 100 establishments, whose capacity represented 51.7 per cent of the total capacity of all plants in the United States. The bookings reported by these establishments amounted to 17,456 tons, representing 36.9 per cent of the total capacity of reporting establishments. Reports of shipments of fabricated structural steel for the same week were received from 96 establishments, whose capacity represented 49.4 per cent of the total capacity of all plants in the United States. The shipments reported by these establishments amounted to 21,600 tons, representing 47.7 per cent of the total capacity of the reporting establishments.

Engineering News Section

BRIDGES

SAN FRANCISCO.—Bids will be asked within thirty days by the State Department of Public Works for drilling foundation test holes for all piers of the \$75,000,000 San Francisco-Oakland Bay Bridge, it is announced by C. H. Purcell, state highway engineer. The cost is estimated at \$150,000.

EUREKA, Humboldt Co., Cal.—Until August 11, 2 P. M., bids will be received by Fred M. Kay, county clerk, to construct highway bridge at Scotia in Road District No. 2; will be of the trestle type, 58-ft. in length with Bitumuls surface roadway. Certified check 5% required with bid. Plans obtainable from Frank Kelley, county surveyor.

NAPA, Napa Co., Cal.—In reporting the award of contract for the Third Street bridge at Napa, the address of J. P. Brennan was given as Redding, Calif. This is in error. The J. P. Brennan awarded the contract is an East Bay contractor, located at 2320 Regent St., Berkeley.

SAN JOSE, Santa Clara Co., Cal.—City Engineer Wm. Popp completes plans for proposed new reinforced concrete bridge over the Guadalupe Creek at San Augustine street. Bids will be asked shortly.

PALO ALTO, Santa Clara Co., Cal.—Palo Alto City Council and Chamber of Commerce has urged San Mateo County Supervisors to provide \$5000 in budget to finance widening of the Middlefield road bridge. The county of Santa Clara would provide a similar sum as their share of the cost.

VENTURA COUNTY, Cal.—Merritt, Chapman & Scott, 720 Wilmington Blvd., San Pedro, at \$71,505.60 awarded contract by State Highway Commission to construct undergrade crossing under the tracks of Southern Pacific Railroad about one-half mile west of El Rio, consisting of two concrete abutments with wing walls, installing drainage system and pumping equipment and grading and paving approx. thirty-three hundredths (.033) of a mile of roadway with Portland cement concrete and bituminous macadam. Complete list of unit and total bids on this project published in issue of July 23.

BERKELEY, Alameda Co., Calif.—Until August 17, 8 P. M., bids will be received by Clara F. Andrews, secretary, Board of Education, 2325 Milvia St., to construct monolithic reinforced concrete transition sections and a concrete culvert in Strawberry Creek on the site of the Eurbank Junior High School gymnasium in the south side of Addison Street between Brown and Curtis Streets. Certified check 10% payable to Berkeley High School District of Alameda County required with bid. Plans obtainable from secretary on deposit of \$5, returnable.

DREDGING, HARBOR WORKS & EXCAVATIONS

SAN FRANCISCO.—Siems-Helmerts, Inc., 206 Sansome St., at \$11.23 cu. yd., awarded contract by U. S. Engineer Office, Customhouse, for rock removal

in San Francisco Bay, involving 39,800 cu. yds. Complete list of unit bids received on this project published in issue of July 10.

SAN FRANCISCO.—Bureau of Engineering, Department of Public Works, 3rd Floor, City Hall, completing plans for levee repairs and dredging a boat channel at the San Francisco (Mills Field) Municipal Airport. Total estimate cost \$1500.

ARBUCKLE, Yolo Co., Cal.—Fred H. Tibbetts, engineer, Alaska Commercial Bldg., San Francisco, has recommended to farmers in the Arbuckle section a water supply source for 26,000 acres in that territory. Water would be taken from Sycamore Slough by gravity and three lifts at a cost of \$27.50 an acre, the total cost calling for an expenditure of \$720,000 to be secured through a bond issue. The tentative plan calls for taking the water out of the slough by gravity. From the 39-foot level it will be pumped to the 130-foot level. It will then be sent along by gravity and raised to the 230-foot level. Before the third pump is reached, at least two-thirds of the territory will have been served. The next lift will raise the water to the 360-foot level.

RICHMOND, Contra Costa Co., Cal.—U. S. Engineer Office, Customhouse, San Francisco, is completing specifications for deepening and widening the government channel in the Richmond Inner Harbor. Bids will be asked shortly. The cost is estimated at \$97,000 of which the government will pay \$58,000 and the city \$41,000. The plan calls for dredging the channel to a depth of 30 feet from Point Potrero to the inner harbor turning basin. The government channel will be 475 feet wide, to which will be added 75 feet maintained by the city, making the total width of the channel 550 feet. It formerly was planned to dredge the channel to a depth of only 23 feet, but the depth now has been increased two feet by the government.

IRRIGATION PROJECTS

RIVERDALE, Fresno Co., Cal.—Land owners in Riverdale Irrigation District reject a proposal to call an election to vote bonds of \$200,000 to finance drilling of deep wells to augment the present irrigation system.

MODESTO, Stanislaus Co., Calif.—Until August 24, 2 P. M., bids will be received by C. S. Abbott, secretary, Modesto Irrigation District, to furnish 20,000 bags of Portland cement in paper bags, delivered as follows:

At Modesto on the siding of the corporation at Woodland Avenue, f.o.b., 15,500 bags;

At Waterford, Calif., 4,500 bags. Certified check or bidder's bond, 5% payable to district required with bid. Further information obtainable from above.

STREET LIGHTING SYSTEMS

QUARRY HEIGHTS, C. Z.—See "Government Work and Supplies," this issue. Bids wanted by Department Quartermaster, Quarry Heights, C. Z., for excavation, embankment and grading, sanitary sewers, storm drain-

age, water distribution and fire protection, roads, curbs and walks, electrical distribution and street lighting, etc., at Fort Davis, C. Z.

MACHINERY AND EQUIPMENT

FRESNO, Fresno Co., Calif.—Until August 14, bids will be received by city council to furnish motor ambulance for which \$2,500 is available. Further information obtainable from Harry Foster, city clerk.

BAKERSFIELD, Kern Co., Calif.—Until August 12, 1 P. M., bids will be received by A. B. Tieck, clerk, Beardsley School District, to furnish one T 51 General Motors Truck Chassis and one C. N. Johnson body, making allowance in bid for No. 2 bus now owned by the district and no longer required. Further information obtainable from the clerk.

RENO, Nevada.—Until September 5, 10 A. M., bids will be received by E. H. Beemer, county clerk, to furnish: One 1,200-gal. BLJ road oil distributor with 4-cylinder Model K Le Roi Power Unit with clutch and all driving parts installed; One BLJ Retort; One Burch Spreader, Pacific design. Further information obtainable from clerk at Reno.

OAKLAND, Calif.—Buhl Co. (Jack Quinn) at \$1,414.25 submitted lowest bid to East Bay Municipal Utility District to furnish one 2-cylinder portable air compressor, direct connected to 4-cylinder heavy duty gasoline engine. Following companies submitted identical bids at \$1,655: Ingersoll Rand Co., Chicago Pneumatic Tool Co.; Harron, Rickard & McCone, Taylor & Sullivan, Schramm, Inc., Boegley & White, Rix Co.

Bids under advisement.

PASADENA, Cal.—Smith-Booth-Usher Co., 1910 Santa Fe Ave., Los Angeles, awarded contract by city directors at \$12,219 to furnish rotary air compressor, with horizontal gas pump of heavy duty type.

SAN RAFAEL, Marin Co., Cal.—City council is considering the purchase of a motor street sweeper. A demonstration will be given to the city council next Monday with a view to selecting the type of sweeper required by the city. Herbert K. Brainerd is city manager.

RAILROADS

BOULDER CITY, Nevada.—Until Aug. 15, bids will be received by the Six Companies, Inc., Boulder City, Nev., or Financial Center Bldg., San Francisco, for approximately 16 miles of track-laying and related work on the railroad being built as an auxiliary to the construction of the Hoover Dam. Specifications and plans may be examined at either of the above offices. F. T. Conway, General Superintendent.

RESERVOIRS AND DAMS

LOS ANGELES, Cal.—Construction of three dams and spreading grounds in the San Gabriel Canyon has been

made possible by a decision of the California Supreme Court handed down Friday, July 31, upholding the Los Angeles County Flood Control District in abandoning the San Gabriel Dam Project and substituting an alternative plan worked out by E. C. Eaton, Chief Engineer. The Court issued a peremptory writ of mandate to compel the Chairman of the Los Angeles County Board of Supervisors, Henry Wright, to sign the \$5,000,000 bond issue in order that work may start at once. This action of the Supreme Court makes approximately \$21,000,000 available for construction. E. C. Eaton has completed specifications for the final tunnel work. The dams will be of the flexible type of either rock fill or concrete construction. The spreading ground will involve principally ditch construction. The chief engineer will also ask the board to appoint a consulting board; the members to be: Louis Hill, Los Angeles; A. J. Wiley, Boise, Idaho; both consultants on the Boulder Dam; Robert Hill, geologist for the Federal government, and Prof. C. F. Tolman, of Stanford University.

PIPE LINES, WELLS, ETC.

AGNEW, Santa Clara Co., Cal.—E. J. Mattich, San Jose, at \$6,000 submitted lowest bid to State Department of Public Works, Division of Architecture, for well drilling at the Agnew State Hospital.

Following is a complete list of bids: E. J. Mattich, San Jose, \$6,060 (1) add \$225 (2) add \$535; 33 days.

J. F. Holthouse, San Jose, \$6,240 (1) \$400 (2) \$560; 60 days.

Wellington Well Drill Co., \$7,003 (1) \$500 (2) \$560; 70 days.

Bids held under advisement.

AWARD

WINSLOW, Ariz.—Lindgren & Swinerton, Inc., Standard Oil Bldg., San Francisco, awarded contract for installing a gas distribution system in the city of Winslow, Ariz., for the Arizona Gas Co., subsidiary of the Occidental Gas Securities Co., with offices in Los Angeles. Pipe and supplies will be furnished by the Crane Co. The work, which will involve the expenditure of about \$60,000 will be started at once.

SANTA CRUZ, Santa Cruz Co., Cal.—Roscoe Moss Co., Los Angeles, at \$18,000 with a guaranteed flow of 3,000,000 gallons per day, only bidder, awarded contract by city council to install well or wells in connection with water system. In the event of a flow of less than 3,000,000 gallons results, no payment is to be received by the drilling company.

SEWERS AND SEWAGE DISPOSAL PLANTS

PORTLAND, Ore.—Parker-Schram Co., Couch Bldg., Portland, at \$102,152.70 (engineer's estimate \$147,619) submitted low bid to city council to construct extension to Balch Creek Storm Sewer to serve the Guilds Lake Industrial District. Bid provides for concrete pipe. Taken under advisement.

BIEBER, Lassen Co., Cal.—An improvement district will be formed here to finance construction of a sewage disposal system. Preliminary surveys are being made by S. A. Mushen, engineer, Alturas, Calif.

QUARRY HEIGHTS, C. Z.—See "Government Work and Supplies," this issue. Bids wanted by Department Quartermaster, Quarry Heights, C. Z., for excavation, embankment and grading, sanitary sewers, storm drain-

age, water distribution and fire protection, roads, curbs and walks, electrical distribution and street lighting, etc., at Fort Davis, C. Z.

PALO ALTO, Santa Clara Co., Cal.—Until August 24, bids will be received by E. L. Beach, city clerk, to construct stormwater system in Oregon avenue from High St. to the Middlefield road. Estimated cost \$9500. Plans obtainable from J. F. Byxbee, Jr., city engineer.

MISCELLANEOUS CONSTRUCTION

OAKLAND, Cal.—County Surveyor Geo. A. Posey announces that \$300,000 will be available from state funds on August 14, as the state's share in the cost of constructing the proposed Broadway Tunnel in Oakland, a project estimated to cost \$3,000,000. The county of Alameda last week appropriated \$50,000 for the purchase of rights-of-way which is added to the county's previous appropriation of \$250,000. Tunnel will extend through 3000 ft. of hill, almost directly beneath the present bore, which extends only 1000 ft. It has not been decided whether the tunnel will be a twin bore or a single tunnel with four traffic lanes.

WATER WORKS

BIEBER, Lassen Co., Cal.—An improvement district will be formed here to finance construction of a water system. Preliminary surveys are being made by S. A. Mushen, engineer, Alturas, Calif.

VALEJO, Solano Co., Cal.—W. J. Tobin, 527 Balfour St., Oakland, at \$10,799.40 awarded contract by city council to furnish and install 20-inch and 24-inch water mains in the Sonoma street cut-off into Vallejo to Alabama St. Project involves in the main:

6.832 ft. 24-in. pipe;

1.820 ft. 20-in. pipe;

13 reinf. conc. valve boxes.

Other miscellaneous items.

Complete list of bids follows:

W. J. Tobin, Oakland.....\$10,799.40

M. Murphy, Berkeley.....12,402.00

R. B. McNair, Oakland.....12,960.20

Hutchinson Co., Oakland.....13,672.12

H. E. Conner, Redwood City 10,401.20

COALINGA, Fresno Co., Cal.—Byron Jackson Pump Co., 6th and Carlton Sts., Berkeley, at \$1200, complete, awarded contract by city council to furnish and install booster pump in connection with municipal water system; to be 8-in. pump, 1750 to 2000 gals. per hour.

Peerless Pump Co., Fresno, awarded contract to furnish pump for new well just completed, the bid being \$2766 or \$2800 depending upon amount of water new well will produce.

E. O. Tyler, Coalinga, at \$220 awarded contract for electric wiring in connection with the above installation.

PITTSBURG, Contra Costa Co., Cal.—Gavotte Machinery Co., Oakland, at \$1740 awarded contract by city council to install pump in new well at city park. Will have capacity of 400 to 500 gals. per minute.

SANTA CRUZ, Santa Cruz Co., Cal.—City council has authorized the construction of 3000 ft. of 4-in. water mains and leads in Webster street to San Jose Ave. Roy Fowler, city engineer.

SAN BERNARDINO, Cal.—Until August 14, 8 P. M., bids will be received by city water commission, Wm. Starke city water superintendent, to furnish

2.200 ft. 20-in. Class 250 B & S c. i. water pipe, in not less than 16-foot lengths. Delivery date at option of water board.

MOUNT EDEN, Alameda Co., Cal.—Definite plans for improving the water system of the South Mohrland Tract have received the approval of residents. It is proposed to install a 10,000-gallon capacity water tank on a 60-ft. tower. A deep well turbine pump will be installed. The South Mohrland Gardens Water Association is now in process of organization to assume control of the water system.

LONG BEACH, Cal.—Pacific Cast Iron Pipe Co., Los Angeles, awarded contract by city council at 19.5c ft. for furnishing 30,000 ft. of 2-in. bell and spigot cast iron water pipe.

LOS ANGELES, Cal.—September 29 has been set by the Metropolitan Water Board as the date for an election to vote on the \$220,000,000 bond issue for the construction of the Colorado River Aqueduct. According to F. E. Weymouth, chief engineer, engineering surveys and data have been completed and that an immediate start will be made as soon as the issue has been voted and the bonds sold. The first work to be done will be the sinking of shafts in connection with the tunnels near Banning where the main bore will be thirteen miles in length. The aqueduct will be 266 miles in length, including a terminal storage reservoir in Cajalco Hills and a diversion dam at Upper Parker Canyon. The aqueduct proper will embrace both steel pipe and uncovered sections. The chief engineer states that if satisfactory bids can be obtained contracts will be let for certain parts of the work. Otherwise, it is presumed, he will do the work by day labor under his own supervision. Chief engineer's estimate of cost follows:

Preliminary investigations, \$2,500,000

Diversion dam, \$12,568,400.

Concrete works, \$100,000.

Open canal (lined or unlined), \$15,159,300.

Closed surface conduit, \$36,317,700.

Pressure tunnel, \$2,222,600.

Grade tunnel with shafts, \$20,791,400.

Shafts, \$894,000.

Grade tunnel without shafts, \$56,560,400.

Steel siphons, \$690,000.

Concrete siphons, \$11,299,500.

Wasteways, railroad crossings, flumes, etc., \$488,800.

Auxiliary storage, \$76,900.

Pumping plants, \$12,027,000.

Heavy lined canals, \$1,900,000.

Transmission lines, \$10,287,000.

Storage basins for pump control, \$169,000.

Penstocks, \$516,000.

Fenstocks, \$1,100,000.

Total construction cost, first development, \$186,408,000.

Interest and taxes during construction, first development, \$19,871,000.

Total, \$206,279,000.

Cost of future development, \$14,256,000.

Total ultimate development without interest, \$200,664,000.

The principal items are as follows:

1,271,000 cu. yds. excavation for dam.

238,000 cu. yds. mass concrete for dam.

74.12 mi. open canal, lined or unlined.

20.26 mi. closed surface conduit.

30,626,239 cu. yds. canal and conduit excavation.

2,894,759 cu. yds. canal and conduit concrete.

2.20 mi. pressure tunnel.

22.65 mi. grade tunnels with shafts.

67.75 mi. grade tunnels without shafts.

12.95 mi. longest tunnel.

9.70 mi. second longest tunnel.

5.02 mi. greatest distance between shafts.

4 shafts.

1430 ft. deepest shaft.

615 ft. second deepest shaft.

260 ft. total depths of shafts.

5,506,487 cu. yds. tunnel excavation.
1,312,633 cu. yds. tunnel excavation.
96.20 miles total length of all tunnels.
1.36 mi. steel delivery lines.
0.60 mile steel penstocks.
0.51 mile steel siphons.
15.91 miles concrete pipe-lines.
18.38 miles total length of all pipe via Parker route.
lines.
265.36 miles total length aqueduct

FOWLER, San Mateo Co., Calif.—
Peerless Pump Co., Fresno, at \$3,700
awarded contract by city council to
furnish and install pump in connection
with well for municipal water
system.

STREETS AND HIGHWAYS

"California Highways and Public Works," the official organ of the State Department of Public Works, issued at Sacramento, reports that the following projects are in line for action before the expiration of this year, the construction involving a total expenditure of \$8,726,500:

Mendocino County—Cedar Creek and Dann Creek bridges, \$284,000.
Monterey County—Rocky Creek to Divisadero, \$311,500.
Madera County—At Madera, \$40,500.
Shasta County—Clear Creek approaches, \$9100.
San Benito County—S. boundary to San Benito River, \$344,600.
San Mateo County—Redwood City to Oregon Ave., \$561,400.
Alameda County—Greenville to Livermore, \$165,100.
Lassen County—Willards to Susanville, \$253,000.
Glenn County—In Willows, \$25,700.
Placer County—Lincoln to Sheridan, \$54,700.
Orange County—Fullerton to western boundary, \$158,800.
San Benito County—San Benito River bridge, \$140,000.
Merced County—Bridges, \$40,000.
San Benito County—Bridge, \$10,000.
San Bernardino County—Devore to Alray, \$10,000.
Mono County—Casa Diablo Hot Spring to Deadman Creek, \$133,600.
Santa Barbara County—Los Alamos to Solomon's Summit, \$443,500.
Los Angeles County—Washington Blvd. to El Segundo, \$400,000.
San Bernardino County—Grade separation, \$60,000.
Merced County—Little Dann Creek to Leggett, \$85,000.
Contra Costa County—San Pablo Creek to Crockett, \$95,000.
Butte County—Pulga River to county line, \$433,400.
Imperial County—Coyote Wells to Dixieland, \$432,400.
Imperial County—Dixieland to 7 miles west, \$170,000.
Ventura County—Ventura to El Rio, \$100,000.
Trinity County—Approaches to Trinity River bridge, \$27,500.
San Luis Obispo County—Los Berros Creek to Arroyo Grande, \$336,100.
Humboldt County—Redwood Creek at Willow Creek, \$55,400.
Monterey County—Approaches to Brodley bridge, \$40,000.
San Benito County—Los Alamos Creek bridge, \$31,000.
Mendocino County—Russian River bridge, \$30,000.
Placer County—Gold Run to Airport, \$750,000.
Orange County—Newport to Corona Del Mar, \$281,300.
Los Angeles County—Las Flores Canyon to Santa Monica, \$510,200.
Humboldt County—Bridge, \$43,500.
Riverside County—Mecca-Blythe road, \$300,000.
San Joaquin County—Waterloo road to Clements, \$213,000.
Placer County—Grade separation, \$20,000.
Kern County—Kern River bridge, \$400,000.

SANTA BARBARA COUNTY, Cal.—
Gist & Bell, Arcadia, at \$23,425 awarded contract by State Highway Commission to construct crusher run bor-

ders on 9.5 miles between Gaviota Canyon and Teocote Creek. Complete list of unit and total bids received on this project published in issue of July 28.

BUTTE COUNTY, Cal.—United Contracting Co., Stock Exchange Building, Portland, Ore., at \$26,952 awarded contract by State Highway Commission to widen with bituminous treated crushed gravel or stone borders, 6.6 miles between Shasta Union School and six miles north. Complete list of unit and total bids received on this project published in issue of July 28.

LAKE-COLUSA COUNTIES, Cal.—
Fredrickson & Watson and Fredrickson Bros., 354 Hobart St., Oakland, at \$50,905 awarded contract by the State Highway Commission to surface with gravel base, 12.3 miles between Abbott Mine and 12 miles west of Williams. Complete list of unit and total bids received on this project published in issue of July 28.

HUMBOLDT COUNTY, Cal.—Hemstreet and Bell, Marysville, at \$118,323 awarded contract by State Highway Commission to improve highway bet. South Scotia bridge and Fortuna, involving 10.2 miles grading; 1.5 miles to be surfaced with bituminous treated crushed gravel or stone and 8.7 miles to be widened with bituminous treated crushed gravel or stone borders. Complete list of unit and total bids received on this project published in issue of July 28.

SANTA CLARA COUNTY, Calif.—
Granite Const. Co., Watsonville, at \$10,535.50 awarded contract by State Highway Commission to place rock borders on 5.2 miles between Gilroy and the Pajaro River. Complete list of unit and total bids received on this project published in issue of July 28.

PALO ALTO, Santa Clara Co., Cal.—
City council has started proceedings to widen Ramon St. from Hamilton to 24th and avenues including the installation of electroliters. Estimated cost, \$5000. The street will be widened by reducing sidewalk widths. J. F. Byxbee, Jr., city engineer.

SAN FRANCISCO.—Board of Public Works rejects lone bid of Municipal Const. Co., Call Bldg., at \$3,076.50 to improve Rankin St. bet. Oakdale and Revere Aves., and between Quesada and Palou Aves., and new bids will be opened August 26, 2:30 P. M. Project involves:

- (1) 300 lin. ft. armored concrete curb;
- (2) 51 lin. ft. 6-in. V.C.P. side sewer;
- (3) 3400 sq. ft. asphalt. conc. pavement, 2-in. asphalt. conc. surface on 6-in. class F concrete base;
- (4) 1700 sq. ft. class E concrete pave.

Certified check 10% payable to clerk of the Board of Supervisors required with bid. Plans obtainable from Bureau of Engineering, 3rd floor, City Hall.

SAN JOSE, Santa Clara Co., Cal.—
City Council declares intention (5424) to improve Montgomery St., bet. San Fernando St. and Park Ave., involving grading; 2-in. asphalt. conc. surface pavement on 3-in. asphalt. conc. base; 2 hyd. conc. conc. storm water inlets; 8 hyd. conc. conc. curbs and gutters; 4 in. vit. pipe drains; 4-in. vit. sewer lateral connections. 1911 Act. Hearing August 17. John J. Lynch, city clerk. Wm. Popp, city engineer.

SAN JOSE, Santa Clara Co., Cal.—
City council declares intention (5421) to improve portions of Oberg Ave. and portions of Norton Ave., involving grading; pave with 1½-in. asphalt. conc. surface on 2½-in. asphalt. conc. base.

cem. conc. curbs, gutters, walks; 6-in. vit. man. sewers; brick manholes; 4-in. vit. house connecting sewers. 1911 Act. Hearing Aug. 17. John J. Lynch, city clerk. Wm. Popp, city engineer.

SALINAS, Monterey Co., Cal.—
Until August 19, 10 A. M., bids will be received by C. P. Joy, county clerk, to furnish and haul material to improve the Blanco and Breeze Roads in Supervisor District No. 2. Specifications obtainable from County Surveyor Howard Cozzens on deposit of \$5, returnable.

COCONINO COUNTY, Ariz.—R. S. Black, Clifton, Ariz., at \$40,941.50 submitted low bid to U. S. Bureau of Public Roads, Phoenix, Ariz., for grading Section B of Route 10, Pine-Winslow National Forest Highway in Coconino National Forest, 6.432 miles in length. Complete list of bids follows:

R. S. Black, Clifton, Ariz. \$40,941.50
Skosen Bros., Sonora, N. M. 45,992.40
Hodgson & MacVieha, Pasadena, Calif. 46,416.80
Henry Galbraith, Jerome, Ariz. 47,871.80
Western Gunite Co., Phoenix 55,947.90
Engineer's estimate 48,339.10

SANTA CRUZ, Santa Cruz Co., Cal.—
City council declares intention (463-C) to improve portions of Front St., involving cement concrete pavement; cem. conc. curbs, walks, driveway approaches; vit. clay pipe main sanitary sewers with vyes; lateral sewers; wrought iron pipe water service connections; electroliter system with four single lamp standards, together with underground system. 1911 Act. Hearing Sept. 14. S. A. Evans, city clerk. Roy Fowler, city engineer.

SAN MATEO, San Mateo Co., Cal.—
Until August 11, 8 P. M., bids will be received by E. W. Foster, city clerk (31-8) to improve 28th Ave. (formerly Date Ave.) between El Camino Real and southwesterly city limits of San Mateo, involving 4600 lin. ft. of 20-ft. and 15-ft. resurfacing with 1½-inch rock and bituminous wearing surface. Imp. Act 1911. Bond Act 1915.

Certified check 10% payable to city of San Mateo required with bid. Plans on file in office of clerk. E. P. Wilsey, city manager.

SANTA BARBARA, Cal.—Santa Maria Constr. Co., Santa Maria, submitted low bid to State Highway Commission at \$40,200 for highway oiling in Santa Barbara County, between Gaviota Pass and Zaca, about 6.1 miles in length, to be treated with heavy fuel oil on each side of the existing pavement.

SAN BERNARDINO COUNTY, Cal.—
Crook & Henno, 2270 Hidalgo St., Los Angeles, at \$102,973 awarded contract by U. S. Bureau of Public Roads to grade Section A, Route 68, Mill Creek National Forest Highway in San Bernardino County, 1266 miles in length. A complete tabulation of the unit and total bids received on this project published in issue of July 15.

SAN JOSE, Santa Clara Co., Cal.—
Until August 24, 11 A. M., bids will be received by Henry A. Pfister, County Clerk, to macadamize one mile of the Mt. Hamilton Road and all of Miramonte avenue near Sunnyvale. The former will be macadamized from its junction with Alum Rock Ave. to Miguellita Ave. and the latter from its junction with the San Francisco Highway to Fremont Ave. Specifications obtainable from Robert Chandler, County Surveyor.

SAN MATEO, San Mateo Co., Cal.—Until August 13, 8 P. M. bids will be received by E. W. Foster, city engineer, to improve E Street, 3rd, 6th and 14th Avenues, involving:

- (1) 41,000 sq. ft. grading;
- (2) 10,200 sq. ft. concrete sidewalk;
- (3) 1471 lin. ft. 12-in. curb and 24-in. gutter;
- (4) 1215 lin. ft. 16-in. curb and 3-ft. 3-in. gutter;
- (5) 1653 lin. ft. 16-in. curb and 4-ft. gutter;
- (6) 10 lin. ft. 16-in. reinf. curb and 3-ft. 3-in. reinf. gutter;
- (7) 141 lin. ft. 16-in. reinf. curb and 4-ft. gutter;
- (8) 2 cu. yds. reinf. columns and beams;
- (9) 25,560 sq. ft. 6-in. asph. paving;
- (10) 800 tons asphalt concrete;
- (11) 615 ft. 4-in. vitrified sewers;
- (12) 940 ft. 21-in. concrete sewers;
- (13) 372 ft. 21-in. do;
- (14) 401 ft. 15-in. do;
- (15) 101 ft. 12-in. do;
- (16) 4 manholes;
- (17) 16 catchbasins;
- (18) 54 electroliers;
- (19) 6200 ft. conduit;
- (20) 7000 ft. cable, No. 20;
- (21) 1 move hydrants and install gate valves;
- (22) 5450 sq. ft. removal of existing paving and construction of 6-in. concrete base.

Estimated cost, \$50,000. Bond Act 1915. Imp. Act 1911.

Certified check 10% payable to city of San Mateo required with bid. Plans on file in office of clerk. E. P. Wilsey, city manager.

SIERRA MADRE, Los Angeles Co., Cal.—Until 7:30 P. M. Aug. 12, bids will be received by city council to improve Woodland Drive, Alta Vista Circle, Oakdale Drive and other Sts., under A. & I. No. 2, involving:

- (1) grading, lump sum;
- (2) 123,175 sq. ft. 3-in. asph. concrete pavement;
- (3) 31,790 sq. ft. 4½-in. asph. conc. pavement;
- (4) 885 lin. ft. combined curb and gutter;
- (5) Two rubble retaining walls and one reinforced concrete wall, storm drain, two catchbasins, etc., lump sum.

Estimated cost, \$36,026. Plans obtainable from the engineer, H. S. Gierlich, 308 Citizens Bank Bldg., Monrovia, or from city clerk on deposit of \$5. The contractor will be required to take the acquisition bonds. Certified check or bond, 10%.

SAN FRANCISCO—Until August 12, 2:30 P. M., bids will be received by S. J. Hester, Secretary, Board of Public Works to improve 35th Ave., bet. Judah and Kirkham Sts. (where not), involving:

- (1) 75 lin. ft. armored concrete curb;
- (2) 60 lin. ft. 6-in. V.C.P. side sewer;
- (3) 1500 sq. ft. asph. concrete pavement, 2-in. asph. conc. surface on 6-in. Class "F" conc. base.

Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineering, 3rd Floor, City Hall.

RICHMOND, Contra Costa Co., Cal.—City Engineer E. A. Hoffman, completes plans to pave 14th St. and Hall Ave. in the inner harbor industrial district; estimated cost \$85,000. Will be graded to a width of 80 ft. with center strip of pavement, 24 ft. wide in 14th St. from Cutting Blvd. to Hall Ave., a distance of 4200 ft. Pavement to consist of 4-in. rock cushion, 8-in. cem. conc. and 2-in. asph. conc. surface. Hall Ave. will be paved from 10th St. to 14th St., a distance of 1200 ft., including the construction of curbs, gutters and sidewalks on one

side. Quantities of materials involved will be published shortly.

SAN FRANCISCO—Until August 12, 2:30 P. M., bids will be received by S. J. Hester, Secretary, Board of Public Works to improve De Haro St., bet. Division and Alameda Sts., including crossing at Berry St., involving:

- (1) 530 lin. ft. armored concrete curb,
- (2) 150 lin. ft. 6-in. V.C.P. side sewers
- (3) 2 brick catchbasins;
- (4) 50 lin. ft. 10-in. V.C.P. culvert;
- (5) 7450 sq. ft. asphalt concrete pavement, 2-in. asph. conc. surface on 6-in. Class "F" conc. base.

Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineering, 3rd Floor, City Hall.

EUREKA, Humboldt Co., Cal.—Until August 4, 5 P. M., bids will be received by A. Walter Kildale, city clerk to furnish and deliver 1,000 cubic yards, more or less, screened gravel. Further information obtainable from clerk.

SAN FRANCISCO—Until August 12, 2:30 P. M., bids will be received by S. J. Hester, Secretary, Board of Public Works, to improve San Louis St., bet. Niantic and San Diego Aves., involving:

- (1) 160 lin. ft. armored concrete curb;
- (2) 45 lin. ft. 6-in. V.C.P. side sewer;
- (3) 2045 sq. ft. asphalt concrete pavement, 2-in. asph. conc. surface, on 6-in. Class "F" conc. base.

Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineering, 3rd Floor, City Hall.

SAN FRANCISCO—Until August 12, 2:30 P. M., bids will be received by S. J. Hester, Secretary, Board of Public Works to improve Thirt St., bet. Faxon and Orizaba Aves. (where not), involving:

- (1) 263 lin. ft. armored concrete curb;
- (2) 100 lin. ft. 6-in. V.C.P. side sewer;
- (3) 1800 sq. ft. asphalt concrete pavement, 2-in. asph. conc. surface on 6-in. Class "F" conc. base;
- (4) 2212 sq. ft. 6-in. Class "E" concrete pavement.

Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineering, 3rd Floor, City Hall.

SAN BENITO COUNTY, Cal.—Granite Construction Co., Watsonville, at \$594 submitted low bid July 27 to L. H. Gibson, district engineer, State Highway Commission, San Luis Obispo, for oil treatment of existing shoulders on 3.17 miles between 1½ miles north of San Juan Bautista and the Pajaro river. Project involves 2200 bbls. heavy fuel oil in place. The bids were: Granite Constr. Co., \$2.72 bbl., total, \$5984; W. A. Dontanville, Salinas, \$3.14 bbl.; total, \$6088.

AMADOR COUNTY, Cal.—E. F. Hilliard, 1355 43rd St., Sacramento, at \$1337.50 submitted low bid August 3 to R. E. Pierce, district engineer, State Highway Commission, Sacramento, for treating with fuel oil, 4.3 miles between Amador City and Martell. Complete list of bids follow:

E. F. Hilliard, Sacto.....	\$1337.50
Basalt Rock Co., Napa.....	1394.50
G. A. Casson, Hayward.....	2099.40

Bids under advisement.

SAN LUIS OBISPO COUNTY, Cal.—Granite Construction Co., Watsonville, at \$12,051 submitted low bid July 31 to L. H. Gibson, district engineer, State Highway Commission, San Luis Obispo, for oil treating ex-

isting shoulders on 11.53 miles between Paso Robles and Estrella.

SANTA CRUZ, Santa Cruz Co., Cal.—City council declares intention (463-C) to improve portions of Front St., involving:

- (1) 18,600 sq. ft. grading to subgrade;
- (2) 18,600 sq. ft. cem. conc. pave;
- (3) 762 lin. ft. cem. conc. curbs;
- (4) 6,914 sq. ft. cem. conc. sidewalk;
- (5) 890 sq. ft. P. C. type B driveway approach;
- (6) 1 (re-const.) sanitary sewer manhole;
- (7) 190 lin. ft. 8-in. vit. clay pipe main sanitary sewer;
- (8) 7 4x3 ½-in. vit. clay pipe wyes;
- (9) 480 lin. ft. 4-in. vit. clay pipe sewer laterals;
- (10) 4 P. C. concrete catchbasins, type B;
- (11) 170 lin. ft. 10-in. P. C. concrete pipe drains;
- (12) 100 lin. ft. encasing sanitary sewer in P. C. C.;
- (13) 252 lin. ft. ¾-in. W. I. pipe water services;
- (14) 12 corporation cocks;
- (15) 12 curb stop cocks;
- (16) 12 Port. cem. conc. meter boxes;
- (17) furnish and install 4 electroliers (complete) with concrete foundations, columns, elbows, castings, bolts, glass globes, globe holders, refractors, canopies, sockets, adjustable socket supports, isolating transformers and wiring with No. 8 cable.

1911 Act. Hearing Sept. 14. S. A. Evans, city clerk. Roy Fowler, city engineer.

AMADOR COUNTY, Calif.—Adams Const. Co., Angels Camp at (\$1.35 cu. yd.) \$8,100 submitted low bid August 4 to R. E. Pierce, district engineer, State Highway Commission, for producing and stockpiling 6000 cu. yds. crushed gravel or stone, between Amador City and Martell. C. E. Reed, Tracy, submitted only other bid at \$1.60; \$9,600.

MARTINEZ, Contra Costa Co., Cal.—Geo. Peres, 1301 Roosevelt Ave., Richmond, at \$1841.98 awarded contract by county supervisors for Emulsified asphalt pavement on certain streets in San Pablo area. Complete list of bids follows:

George Peres.....	\$1841
Hutchinson Co., Oakland.....	2019
L. L. Page, Richmond.....	2327

QUARRY HEIGHTS, C. Z.—See "Government Work and Supplies," this issue. Bids wanted by Department Quartermaster, Quarry Heights, C. Z., for excavation, embankment and grading, sanitary sewers, storm drainage, water distribution and fire protection, roads, curbs and walks, electrical distribution and street lighting, etc., at Fort Davis, C. Z.

HUMBOLDT COUNTY, Cal.—Delose C. Kemp, Crescent City, at \$7740 awarded contract by State Highway Commission to surface with untreated crushed gravel or stone, 1.4 miles between Red Crest and Holmes Road. Unit bids on this project published in issue of August 4.

SAN DIEGO COUNTY, Cal.—Walter Trepte, 211 Scripps Bldg., San Diego, at \$106,704.50 awarded contract by State Highway Commission to grade and pave with cement concrete, 1.1 miles at Jacumba. Complete list of unit and total bids received on this project published in issue of August 4.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

1124	Schmidt	Schmidt	3000
1125	Woods	Owner	
1126	Plummer	Burrows	2000
1127	Heling	Glaser	1550
1128	Riley	Owner	60000
1129	Ruegg	Owner	8200
1130	Burke	Barrett	15000
1131	Olafson	Owner	4000
1132	Johnson	Owner	7000
1133	Horn	Owner	4000
1134	Wisendunk	Owner	12000
1135	Hansen	Malloch	7000
1136	Romeo	Michael	5000
1137	Johnson	Owner	3300
1138	Mirsky	Owner	6000
1139	Peters	Canessa	2500
1140	Moody	Coburn	2000
1141	Frank	Delaney	1000
1142	Arnott	Owner	13200
1143	Arnott	Owner	4000
1144	Costello	Owner	7000
1145	Sullivan	Owner	4000
1146	Costello	Owner	7000
1147	Mealy	Owner	1000
1148	Damarlo	Owner	1200
1149	Campbell	Owner	8000
1150	Carlson	Owner	4000
1151	Campbell	Owner	4000
1152	Arancio	Owner	7500
1153	Leventritt	Livingston	4500
1154	Shaw	Jensen	5700
1155	Friedman	Coburn	2000

DWELLING
(1124) E FLORIDA 225 S 20th Street;
one - story and basement frame
dwelling.
Owner—W. J. Schmidt, 1395 Hamp-
shire St.

Architect—Not Given.
Contractor—Schmidt Brothers, 1395
Hampshire St. \$3000

DWELLING
(1125) 27th AVE. 127 N Noriega; one-
story and basement frame dwell-
ing.
Owner—T. W. Woods, 3232 Anza St.
Plans by N. F. Stearns, 1508 Cortez.
Cost not given

DWELLING
(1126) SW SAN BRUNO 175 SE Man-
sell; 1-story and basement frame
dwelling.
Owner—B. Plummer, 7 Crescent Ave.
Plans by Mr. Burrows.
Contractor—W. Burrows, 2120 Market
Street. \$2000

OVEN
(1127) 5427 GEARY ST.; install brick
bake oven.
Owner—A. Heling, 5427 Geary St.
Architect—Not Given.
Contractor—J. P. Glaser, 2480 Union
Street. \$1550

APARTMENTS
(1128) SW COR. CLAY and Freeman
Court; five - story and basement
class C (26) apartments.
Owner—H. Riley, 958 Powell St.
Architect—N. W. Sexton, 1606 De
Young Bldg. \$60,000

DWELLINGS
(1129) E TALBOT 164 S Visitation;
two 1-story and basement frame
dwellings.
Owner—The Ruegg Co., 369 Pine St.
Plans by Owner. each \$4100

FOUNDATION & EXCAVATION
(1130) N McALLISTER 200 W Polk;
excavation and foundation for 6-
story and basement class A office
building.

Owner—H. S. Burke, % W. Magee &
Son.

Architect—Bliss & Fairweather, Bal-
boa Bldg.
Contractor—Barrett & Hulp, 918 Har-
rison St. \$15,000

DWELLING
(1131) S SHANGELS 250 E Forester;
one - story and basement frame
dwelling.

Owner—S. J. Olafson, 176 Judson Ave.
Plans by B. K. Dobkowitz, 425 Mont-
erey Blvd. \$4000

DWELLINGS
(1132) E THIRTIETH AVE 125 N
Santiago St. Two one-story and
basement frame dwellings.

Owner—N. E. Johnson, 666 Mission
St., San Francisco.
Plans by Owner. \$3500 each

DWELLING
(1133) SE SILVER AVE AND AL-
emany. One-story and basement
frame dwelling.

Owner—J. Horn, 5044 Mission St., San
Francisco.
Architect—Not Given. \$4000

DWELLINGS
(1134) W CAYUGA 145 S Santa Rosa
Three one-story and basement
frame dwellings.

Owner—A. A. Wisendunk, 1625 San
Jose Ave., San Francisco.
Plans by B. K. Dobkowitz, 425 Mont-
erey Blvd., San Francisco. \$4000 each

DWELLING
(1135) NW PACHECO and Castenada;
two - story and basement frame
dwelling.

Owner—H. Hansen, % builder.
Plans by I. Goldstein.
Contractor—J. S. Malloch, 666 Mission
Street. \$7000

DWELLING
(1136) N GREENWICH 213 E Divis-
adero; two - story and basement
frame dwelling.

Owner—V. Romeo, 2550 Greenwich St.
Plans by B. K. Dobkowitz, 425 Mont-
erey Blvd.
Contractor—Michael & Bommer, 762
De Haro St. \$5000

DWELLING
(1137) E 30th AVE. 275 S Lawton; 1-
story and basement frame dwell-
ing.

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - - California

Owner—A. and F. Johnson, 42 Steiner
Street.
Plans by A. Johnson. \$3200

DWELLINGS
(1138) W 32nd AVE. 275 N Santiago;
two 1-story and basement frame
dwellings.

Owner—B. Mirsky & Son, Inc., 421 3rd
Street.
Architect—Not Given. each \$3000

DWELLING
(1139) NE MENDEL and Newcomb;
one - story and basement frame
dwelling.

Owner—Mrs. A. Peters, 1538 Newcomb
Avenue.
Plans by P. Fetz, 2277 Cayuga.
Contractor—L. Canessa, 381 Missouri.
\$2500

REPAIRS
(1140) 434 TOWNSEND ST.; repair
fire damage.

Owner—Moody Estate, Kohl Bldg.
Architect—Not Given.
Contractor—I. W. Coburn, 2048 Market
Street. \$2000

ALTERATIONS
(1141) 2468 BUSH ST.; alterations to
clubrooms.

Owner—Miss E. Frank, 2468 Bush St.
Architect—Not Given.
Contractor—C. S. Delaney, 1715 Eddy
Street. \$1000

DWELLINGS
(1142) N 15th AVE. 25 S Rivera St.;
three 1-story and basement frame
dwellings.

Owner—J. A. Arnott, 633 Taraval St.
Plans by Owner. each \$4400

DWELLING
(1143) SE COR. 15th AVE. & Rivera;
one - story and basement frame
dwelling.

Owner—J. A. Arnott, 633 Taraval St.
Plans by Owner. \$4000

DWELLINGS
(1144) W THIRTY-SEVENTH AVE.
300 N Fulton St., Two one-story
and basement frame dwellings.
Owner—L. Costello, 332 27th Ave.,
San Francisco.
Plans by Owner. \$3500 each

DWELLING
(1145) E HAROLD 122 S Ocean Ave.
One-story and basement frame
dwelling.

Owner—T. J. Sullivan, 1967 Ocean
Ave., San Francisco.
Plans by Owner. \$4000

DWELLINGS
(1146) E TWENTY-THIRD AVE 200
N Ortega. Two one-story and
basement frame dwellings.
Owner—L. Costello, 332 27th Ave.,
San Francisco.
Plans by Owner. \$3500 each

ALTERATIONS
(1147) 2240 UNION ST.; alterations to
remodel theatre.

Owner—Mrs. Mesley, 1483 Willington
Ave., Oakland.
Architect—Not Given. \$1000

ALTERATIONS
(1148) NO. 209 PLYMOUTH AVE.
Alter flat.

Owner—Mrs. M. Damarlo, Premises.
Plans by Owner. \$1200

DWELLINGS
(1149) S HERRA 400 E Francisco
Honda. Two one-story and base-

ment from dwellings.
Owner—J. C. Campbell, 819 Laguna
Honda St., San Francisco.
Architect—Not Given. \$1000 each

Dwellings

11450 W. TWENTY-SECOND AVE
100 S. Moraga. One-story and
basement frame dwelling.
Owner—J. Carlson, 2233 Bryant St.,
San Francisco.
Plans by D. E. Jackle, 714 Call Bldg.,
San Francisco. \$4000

Dwellings

11451 N. HOBBA 165 E Laguna Honda.
One-story and basement frame
dwelling.
Owner—J. C. Campbell, 819 Laguna
Honda St., San Francisco.
Architect—Not Given. \$4000

Store and Flat

11452 W. MISSION 60 S. Nagara St.
Two-story frame store and flat.
Owner—R. Arancio, 4550 Mission St.,
San Francisco.
Architect—J. A. Porporato, 619 Wash-
ington St., S. F. \$7500

Alterations

(1153) NO. 2423 LEAVENWORTH.
Alterations and additions to dwell-
ings.
Owner—M. C. Leventritt.
Architect—W. S. Wellington, 804
Shreve Bldg., San Francisco.
Contractor—W. Livingston & Sons,
1152 Euclid Ave., Berkeley. \$4500

Store

(1154) N OCEAN AVE 75 E Fairfield.
One-story and mezzanine frame
store.
Owner—C. E. L. Shaw, % Architect.
Architect—Bertz, Winter & Maury,
210 Post St., San Francisco.
Contractor—G. P. W. Jensen, 320
Market St., San Francisco. \$5700

Repairs

(1155) NO. 1060 McALLISTER ST.
Repair fire damage.
Owner—J. Friedman, 2048 Market St.,
San Francisco.
Architect—Not Given.
Contractor—L. W. Coburn, 2048 Mar-
ket St., San Francisco. \$2000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
154	Meyran	De Luca	9568
155	Shaw	Jensen	5855

Alterations

(154) N FELL ST. 165 E Webster E
27-6 x N 120; all work for altera-
tions to building into three-story
apartment bldg.

Owner—Eugene Meyran, 648 Fell St.
Plans by B. K. Dobkowitz, 425 Mont-
crey Bldg.
Contractor—De Luca & Son, 666 Mis-
sion Street.

Filed and Dated Aug. 3, 1931.
Monthly payments of.....75%
Usual 35 days.....25%

TOTAL COST, \$9568

Bond, \$4784. Sureties, Detroit Fidelity
& Surety Co. Limit, 90 days. Plans
and Spec. filed.

Store

1150 N of OCEAN AVE 75 E of
Fairfield Way; all work on one-
story frame store building.

Owner—C. E. L. Shaw, 169 Lunado St.
Architect—Bertz, Winter & Maury, 210
Post Street.

Contractor—G. P. W. Jensen, 320 Mar-
ket Street.
Filed and Dated Aug. 5, 1931.

5th of each month.....75%
TOTAL COST, \$5855

Bond, \$5855. Sureties, Detroit Fidelity
& Surety Co. Limit, commence Aug.
6 and to be completed on or before
Sept. 22. Plans and Spec. filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

Aug. 1, 1931—SE KIRKHAM ST. &
22nd Ave E 82-6x8 25 O L 789. S.
F Home Bldg Co to whom it may
concern.....July 31, 1931

Aug. 1, 1931—W ASHBURY 201-6 N
Frederick N 125xW 136-3. The
Roman Catholic Archbishop of
S F to David Faganini, July 28, 1931

Aug. 1, 1931—LOT 227 BLK 6786,
Spring Valley H D Lot 228 Blk
6786, Spring Valley H D. Se 32nd
Ave and Rivera St. Thomas J
Sullivan to whom it may concern
.....July 31, 1931

July 31, 1931—SE ELLINGTON AVE
71-167 SW Ottawa Ave SW 50 W
SE 90 ptn Blk 1 West End Map No
1. Frank L McAfee to whom it
may concern.....July 29, 1931

July 31, 1931—LOT 12 BLK 3260 map
Blks 3260 to 3269 Balboa Terrace
Addn. G W and J Stanley to G
W Stanley.....July 31, 1931

July 31, 1931—W 16th Ave 250 N
Wawona 25x120. G J Elkington &
Sons to whom it may concern.....

July 31, 1931—W CAINE 300 South
Lakeview, 140 Caine Street. H G
Cramerding to whom it may con-
cern.....July 31, 1931

July 31, 1931—W 25th Ave 100 N
Irving St N 25 x W 120. C L Borsi
to whom it may concern.....

August 1, 1931
July 31, 1931—E 33rd Ave. 225 N
Vicente N 50 x E 120, OL 1205. N
E Johnson to whom it may con-
cern.....July 31, 1931

July 30, 1931—NW CAYUGA AVE
245-826 SW Santa Rosa Ave SW 25
NW 109-991 NE 25 E 109-976, No
728 Cayuga Ave. A A Wesendunk
Jr & J E Wesendunk to whom it
may concern.....July 29, 1931

July 30, 1931—W DOLORES ST 114
S 30th St, 27x70.04x28-91x80-39. J
and M Bignotti to whom it may
concern.....July 30, 1931

July 30, 1931—LOT 4-BLOCK 2956A
map Sub No 7, Miraloma Park.
The McCarthy Co to Meyer Bros.
.....July 22, 1931

July 30, 1931—E GAMBIER 125 S
Ploche S 25 x E 120 University
Exten H D Blk 143. Fredricka
Kolsberg to T. Kolsberg.....

July 29, 1931—E 22nd AVE 125 South
Moraga S 25 x E 120 OL 851. E
J Rettberg to Duncan McDonald
.....July 25, 1931

July 30, 1931—E 26th Ave 175 South
Kirkham 25x120. Gordon Leask to
whom it may concern.....July 29, 1931

July 29, 1931—E 32nd Ave 275 S
Kirkham S 25 x E 120 OL 799; E
32nd Ave 275 N Lawton N 25 x E
120 OL 799; E 32nd Ave 250 N
Lawton N 25 x E 120 OL 799.
Henry Doleger to whom it may
concern.....July 24, 1931

July 29, 1931—LOT 1 BLOCK 2956A
map Sub No 7 Miraloma Park. The
McCarthy Co to Meyer Bros.
.....July 22, 1931

July 29, 1931—E ATHENS ST 150 N
Excelsior Ave 25x100. M J Blaze-
vich to whom it may concern.....

July 29, 1931—W 22nd AVE 275 S
Moraga 25x120. Chester G John-
son to whom it may concern.....

July 29, 1931—COMG 31-11 from in-
ter SE Underwood Ave and Third
St. 68-0 1/2 S 50 W 49-10 1/2 N 53-
2 1/2. Thos F and M E Loftus to
whom it may concern.....

July 28, 1931

July 29, 1931—W 21st Ave 78 South
Noriega 25x120. Wm and F Spiv-
ock to whom it may concern.....

July 29, 1931—W 21st Ave 103 South
Noriega St 25x120. S and N Scher-
man to whom it may concern.....

July 29, 1931—E EURKEA 60 North
22nd N 25 x E 115-9 H A 214. An-
drew J Conway to James Smith.....

July 28, 1931

July 29, 1931—S JOOST Ave 175 E
Congo. Alfred Jacobson to whom
it may concern.....July 25, 1931

Aug. 1, 1931—LOT 12 BLK 3275, Map
Mt. Davidson Manor. George O
and Mildred S Bendon to whom
it may concern.....July 31, 1931

Aug. 1, 1931—SW KIRKHAM ST. &
21st Ave W 82-6x8 25 O L 789. S.
F Home Bldg. Co to whom it
may concern.....July 31, 1931

LIENS FILED

San Francisco County

Recorded Amount

Aug. 1, 1931—NE BRODERICK ST.
and Golden Gate Ave. 30x120.
Epp's Sheet Metal Works vs
Catherine E Lynn.....\$236.48

July 31, 1931—N GOLDEN GATE
Ave and E Broderick St E 30 x
N 120 Lot 12 Blk 1153 Assessor's
Map Book. Roma Hardwood Floor
Co, \$450; N G Wienholz, \$3520.93;
Pittsburgh Paint Store, \$114.74, vs
C E Lynn.....

July 30, 1931—N WALLER ST 100
W Broderick W 72-5 W 70-4 1/2 S
24 E 31 E 75-0 1/2 W 522. Mission
Concrete Co vs Sancel Inc Corp.
.....\$19,754.81

Aug. 3, 1931—NE GOLDEN GATE
Ave and Broderick St E 30 x N
120 W 30 S to beg. W F Fuller
& Co, \$350.37; D A Anderson, G
McGowan and W T Kawakowaki
as Art Tile & Mantel Co, \$661;
California Terrazzo Marble Co, \$326
D F Sullivan, \$1029.90, vs Cath-
erine E Lynn.....

RELEASE OF LIENS

San Francisco County

Recorded Amount

Aug. 1, 1931—NO. 1077 MARKET
ST. P H Donnelly to H Beller
Constr Co; Feature Theatre Co.;
M L Markowitz; S F Entertain-
ment, Inc; Boston & S F Amuse-
ment Co; H L and M Cohen;
United Artists Theatres of Calif,
Ltd; W S Heller and W A Haas,
as trustees under Est of Jacob
Stern, decd.\$8022.25

July 31, 1931—SE MARKET 150-1 1/4
NE 7th SE 165-1 to NW Stevenson
to pt dist on NW Stevenson 150-
1 1/4 NE from NE 7th. NE 75 th
at right angles to NW Stevenson
165-1 to SE Market SW 75 to beg.
George Hudson as National Lath-
ing Co to P H Donnelly, H I Bel-
ler Const Co, Feature Theatre Co,
Ltd, M L Markowitz, S F Enter-
tainment, Inc, Boston and San
Francisco Amusement Co, H L Co-
hen, M Cohen, United Artists The-
atres of Calif, W S Heller, W A
Haas

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Amt.
891	Sullivan	Owner	4000
892	Ruiz	Hemenes	3000
893	Short	Owner	4000
894	Griffiths	Owner	2850
895	Griffiths	Owner	4500
896	Cavagnaro	Owner	4000
897	Twentieth	Cone	1200
898	Beeson	Nylander	4000
899	Pahl	Snell	1250

906 Hall	Stolte	6000
907 Richards	Nordstrom	6000
908 Beare	Owner	3700
909 Merriman	Person	20835
910 Lodge	Owner	3500
911 Graydon	Owner	1000
900 Sylvia	Owner	3000
901 Cumbers	Legris	3500
902 Jackson	Owner	3500
903 Gomes	Owner	10000
904 Monez	Owner	2500
905 Frolich	Kurtz	4900
912 Amaro	Havanitz	1500
913 Becker	Kraus	3500
914 Berkeley	Fox	3000
915 United	Beller	76800
916 Powden	Peterseno	1400

DWELLING
(891) NO. 826 ARBOR DRIVE, SAN LEANDRO. One-story 6-room dwelling.
Owner—C. J. Sullivan, 621 E-19th St., San Leandro.
Architect—Not Given. \$4000

DWELLING
(892) NO. 495 WILLIAMS ST., SAN LEANDRO. One-story six-room dwelling.
Owner—Manuel Ruiz, 1845 Carpenter St., San Leandro.
Architect—Not Given.
Contractor—A. Hemenes, 16235 E-14th St., San Leandro. \$3900

DWELLING
(893) W CARBERRY ST., 250 North Alleen St., OAKLAND; one-story 6-room dwelling.
Owner and Builder—C. W. Short, 574 Rosal Ave., Oakland.
Architect—Not Given. \$4000

DWELLING
(894) N WALNUT AVE., 225 E Madera Ave., OAKLAND; one-story 5-room dwelling.
Owner and Builder—Thomas Griffiths, 4601 Walnut St., Oakland.
Architect—Not Given. \$2850

DWELLING
(895) SW CORNER JONES and Derby Aves., OAKLAND; one-story six-room dwelling.
Owner & Builder—C. W. Griffiths, 1427 87th Ave., Oakland.
Architect—Not Given. \$4500

GARAGE
(896) NO. 1931 ADDISON ST., BERKELEY. Class C garage and repair shop.
Owner—B. P. Cagnano, 1377 Rose St., Berkeley.
Architect—F. Trabuco, 135 Park St., San Francisco. \$4000

ALTERATIONS
(897) 1932 TELEGRAPH AVE., OAKLAND; alterations.
Owner—Twentieth & Broadway Realty Co., 20th and Broadway, Oakland.
Architect—Ashley, Evers & Hayes, 525 Market St., San Francisco.
Contractor—W. C. Cone, 1744 Broadway, Oakland. \$1200

DWELLING
(898) 1915 108th AVE., OAKLAND; 1-story 6-room dwelling and 1-story garage.
Owner—D. Beeson.
Architect—Not Given.
Contractor—Nylander Bros., 633 Montclair Ave., Oakland. \$4000

ALTERATIONS
(899) 2348 EIGHTH AVE., OAKLAND; alterations.
Owner—Linus A. Pahl, 2348 8th Ave., Oakland.
Architect—Not Given.
Contractor—D. J. Snell, 2626 Ivy Dr., Oakland. \$1250

DWELLING
(900) NO. 3255 FERNside BLVD., ALAMEDA. One-story 4-room frame and stucco dwelling.

Owner—A. M. Sylva, 1009 Union St., Alameda.
Architect—Not Given. \$3000

ALTERATIONS
(901) NO. 3515 DIAMOND AVE. and 3515 Diamond Ave. (rear), OAKLAND. Alterations and additions.
Owner—Chas. W. Cumbers, 3611 Lake shore Ave., Oakland.
Architect—Not Given.
Contractor—L. S. Legris, 4515 Edith St., Oakland. \$3500

DWELLING
(902) NO. 9030 THERMAL AVE., OAKLAND. One-story 5-room dwelling.
Owner—K. Jackson, 1719 89th Ave., Oakland.
Architect—Not Given. \$3500

DWELLING & OFFICE
(903) NW E-FIFTEENTH ST. AND Miller Ave., OAKLAND. Two-story dwelling and office.
Owner—Dr. J. J. Gomes, 2326 E-14th St., Oakland.
Architect—Not Given. \$10,000

STORE
(904) NO. 1443 LEIMERT BLVD., OAKLAND. One-story concrete store.
Owner—A. H. Monez, 1700 Leimert Blvd., Oakland.
Architect—Not Given. \$2500

OFFICE BLDG.
(905) W TELEGRAPH AVE 150 N 32nd St., OAKLAND. Two-story ten-room office building.
Owner—Mrs. D. Frolich, 160 Estates Drive, Oakland.
Architect—Williams & Wastell, 374 17th St., Oakland.
Contractor—F. A. Kurtz, 364 41st St., Oakland. \$4900

DWELLING
(906) NO. 1831 YOSEMITE ROAD, BERKELEY. Two-story 6-room dwelling.
Owner—J. W. Hall, 1773 Oxford St., Berkeley.
Architect—Not Given.
Contractor—E. Stolte, 3449 Laguna Ave., Oakland. \$6000

DWELLING
(907) NO. 760 CRAGMONT, BERKELEY. Two-story 6-room dwelling.
Owner—Sarah and Leonard Richards, 1578 Hopkins St., Berkeley.
Architect—Not Given.
Contractor—David Nordstrom, 354 Hobart St., Oakland. \$6000

DWELLING
(908) 4464 SUMMIT DRIVE, OAKLAND; one-story 5-room dwelling and 1-story garage.
Owner and Builder—Mrs. Ruby Beare, 2901 62nd Ave., Oakland.
Architect—Not Given. \$3700

STORES
(909) SE COR. 14th and Webster Sts., OAKLAND; 1-story conc. stores.
Owner—Anna T. Merriman, 1002 Ashmount Ave., Oakland.
Architect—C. W. McCall, 1404 Franklin St., Oakland.
Contractor—Emil Person, 829 San Luis Road, Berkeley. \$20,835

DWELLING
Owner—W. South AVE., 606 S. Hensley St., OAKLAND; 1-story 5-room dwelling.

Owner and Builder—C. F. Lodes, 714 Collier Drive, San Leandro.
Architect—Not Given. \$2000

ALTERATIONS
(910) 400 40th ST., OAKLAND; alterations and additions.
Owner and Builder—J. Graydon, 604 60th St., Oakland.
Architect—Not Given. \$1000

DWELLING
(912) NO. 1820 EIGHTH ST., BERKELEY. One-story 5-room rustic dwelling.
Owner—A. Amaro, 733 Hearst Ave., Berkeley.
Architect—Not Given.
Contractor—Julius Havanitz, 16491 Foothill Blvd., Berkeley. \$1500

DWELLING
(913) NO. 1460 ORWAY, BERKELEY. One-story 5-room stucco dwelling.
Owner—B. G. Becker, 1457 Marin St., Berkeley.
Architect—W. W. Dixon, 1844 Fifth Ave., Oakland.
Contractor—W. J. Kraus, 1310 Marin St., Oakland. \$3500

ALTERATIONS
(914) NO. 1751-36, 40 UNIVERSITY AVE., BERKELEY. Alterations.
Owner—Berkeley Indoor Golf Course.
Architect—Not Given.
Contractor—Fox Bris., 1484 University Ave., Berkeley. \$3000

THEATRE
(915) NO. 2270 SHATTUCK AVE., BERKELEY. One-story and mezzanine Class B theatre.
Owner—United Artists Theatres, Ltd., Hollywood.
Architect—Walker & Eisen and C. A. Balch, Western Pacific Bldg., Los Angeles.
Contractor—H. I. Beller Constr. Co., 216 Mercantile Bank Bldg., Berkeley. \$76,000

GARAGE
(916) NO. 5120 MASONIC AVENUE, OAKLAND. One-story concrete garage.
Owner—W. M. Powden, 5120 Masonic Ave., Oakland.
Architect—Not Given.
Contractor—J. B. Petersen, 4021 Agua Vista Ave., Oakland. \$1400

BUILDING CONTRACTS

ALAMEDA COUNTY

128 Merriman	Person	20835
129 Pacific States	NePae	22930
130 Froehlich	Kurtz	5798
131 Regents	Home	5274

STORE BLDG.
(128) SE WEBSTER AND FOURTEENTH STs., Oakland. All work for one-story 'Class C' building (8 stores).
Owner—Abbie C. Merriman.

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

Architect—Charles W. McCall, 1404 Franklin St., Oakland.
Contractor—Emil Benson, 629 San Luis Road, Berkeley.
Filed July 30, '31. Dated July 21, '31.
On 30th of each month.....75%
On completion amount sufficient to increase total payments to 70%
Usual 35 days.....Balance
TOTAL COST, \$20,873.92
Bond, \$20,873.92. Surety, The Fidelity & Casualty Co. of N. Y. Limit, 75 days. Forfeit, \$20 per day. Plans and specifications filed.

STORE BLDG.
(129) TWENTY-FIRST ST. AND Broadway, Oakland. All work for installation of electric wiring system in eight-story and basement reinforced concrete store building. Owner—Pacific States Auxiliary Corp. Architect—Albert F. Roller, Crocker First National Bank Bldg., San Francisco.
Contractor—F. J. Walker Co.
Sub-Contractor—Neckes & McKenny Co., 128 10th St., Oakland.
Filed July 29, '31. Dated July 22, '31.
On 10th of each month.....75%
Usual 35 days.....Balance
TOTAL COST, \$22,930
Bond, \$11,465. Surety, Pacific Indemnity Co. Limit, forfeit, none. Plans and specifications filed.

OFFICE BLDG.
(130) W TELEGRAPH AVE, 83 ft. S of 33rd St., Oakland; general construction on 2-story office bldg. Owner—Perle D. Froehlich, Piedmont. Architects—Williams & Wastell, 374 17th St., Oakland.
Contractor—F. A. Kurtz, 364 41st St., Oakland.
Filed July 31, '31. Dated July 25, '31.
When frame is up.....\$1449.50
When brown coated.....1449.50
When completed.....1449.50
Usual 35 days.....1449.50
TOTAL COST, \$5798.00
Limit, 75 days. Plans and Spec. filed.

FURNITURE
(131) UNIVERSITY OF CALIFORNIA Berkeley; installing laboratory furniture in Life Science Building.
Owner—Regents of the University of California, Berkeley.
Architect—W. P. Stephenson (Dept. of Grounds and Bldgs.) Berkeley.
Contractor—Home Mfg. Co., 552 Brannan St., San Francisco.
Filed and Dated August 3, 1931.
On completion.....75%
Usual 35 days.....25%
TOTAL COST, \$5274
Bond: Labor and Materials, \$3,000; Performance, \$3,000. Sureties, New Amsterdam Casualty Co. Forfeit, \$10 per day. Limit, 40 days. Plans and Spec. filed.

COMPLETION NOTICES

Alameda County

Recorded	Accepted
Aug 3, 1931—FOOT OF SEVENTH St., Southern Pacific Co to Hutchinson Company.....	July 31, 1931
Aug 3, 1931—NEW SUBWAY foot of 7th St, Oakland, Southern Pacific Co to Hutchinson Co.....	July 31, 1931
Aug 3, 1931—ELLSWORTH & Bancroft, foot of Green St, Berkeley, Southern Pacific Co to Hutchinson Company.....	July 31, 1931
Aug 3, 1931—FERNSIDE BLVD and Encinal Ave, Alameda, Southern Pacific Co to Hutchinson Co.....	July 31, 1931
Aug 3, 1931—1107 SUTTER St, Berkeley, W H Livingston to whom it may concern.....	August 1, 1931
Aug 1, 1931—LOT 16 BLK 5, Dwight Way Terrace, Berkeley, Arthur L Peppard to Grover Ellam.....	

Aug. 1, 1931—LOTS 13 and 14 BLK B, Rose Park Tr't, Oakland, Ralph A Young to Milton Roundtree.....	July 31, 1931
Aug. 1, 1931—LOTS 40 and 41 BLK 15, Map No 4, Regents Park, Albany, H G Headrick to whom it may concern.....	July 31, 1931
July 31, 1931—NE TRESTLE GLEN Road and SE Kingsley Place, Oakland, Pauline De Luchi to Ernest Jervis.....	July 25, 1931
July 31, 1931—NW EXCELSIOR Ave and Emerson St, Oakland, The Roman Catholic Archbishop of San Francisco to Thos F L Furlong.....	July 30, 1931
July 31, 1931—EAST COB LOT 115 and NW Trestle Glen Road, Lakeshire Manor, Oakland, Pauline De Luchi to Ernest Jervis.....	July 25, 1931
July 31, 1931—LOT 13, Lakeshire Manor, Oakland, Chas Lindsey, C Markus, Robt Appleby to whom it may concern.....	July 29, 1931
July 31, 1931—S BROADWAY 400 ft S of Otis Drive, Alameda, J B Enmual to Noble F Justice.....	July 23, 1931
July 31, 1931—LOT 5 BLK 1, Oakmore Highlands, Oakland, Earl & Gladys Hitchcock to A W Swanson.....	July 30, 1931
July 31, 1931—PTN LOTS 4 and 25, Revised map of the J Levi Sr Tract, Oakland, G C and F E Warrn to whom it may concern.....	July 24, 1931
July 31, 1931—PTN OF THAT CTN 37-17 acre piece of land firstly described in deed Realty Syndicate Co to Calif Memorial Hospital dated June 28, 1919 and recorded in Vol 2796 of Deeds page 66, Oakland, Noel L Gaubert to whom it may concern.....	July 29, 1931
July 31, 1931—LOT 3 BLK 1, Resub of Blks 9, 10, 11, 12, 13, 14 and ptn 16, Rock Ridge Terrace, Oakland, Carl and Lucille J Appelbaum to Grodon Marchant.....	July 29, 1931
July 31, 1931—463 VERMONT AVE, Berkeley, Geo H and Verna A Pitt to I L Graves.....	June 29, 1931
July 31, 1931—NW 32nd and Linn Sts, Oakland, North Oakland Baptist Church to whom it may concern.....	July 31, 1931
July 30, 1931—LOT 56 and ptn Lot 55, map No 6 of Regents Park, Albany, Charles M Annis to whom it may concern.....	July 29, 1931
July 30, 1931—1425 COURT ST, Alameda, Edwin W Dahl to whom it may concern.....	July 30, 1931
July 29, 1931—NO. 448 SPRUCE ST, Berkeley, Alva H Spinney to David C McKinney and Hans Johnsen.....	July 23, 1931
July 29, 1931—NO. 3483 DAVIS ST., Oakland, John Fleming to whom it may concern.....	July 29, 1931
July 29, 1931—NO. 1369 SIXTY-first Ave, Oakland, Ernest Mayne to whom it may concern.....	July 29, 1931
July 29, 1931—SW ESTATES DR and Waynelette Drive, Piedmont, Mary L Krogh to Jensen & Pedersen.....	July 27, 1931
July 28, 1931—LOT 15 and Ptn Lot 14, Ellsworth Tract, Berkeley, Psi of Alpha Delta Pi to H C Pfirang.....	July 27, 1931
Aug 3, 1931—TELEGRAPH Avenue near Alston Way, Berkeley, A R Edgar to Chas H McCullough.....	July 29, 1931
Aug 3, 1931—PTN LOT 35 BLK 7, Boulevard Park, Oakland, Claude E Milton to whom it may concern.....	August 1, 1931
Aug 4, 1931—81st AVE and BECK St, Oakland, Blue Bird Potato Chips, Inc to Albert A Haskell.....	July 29, 1931

Aug 4, 1931—PTN LOT 8, Lacizette Tract, Oakland, Mads J Schmidt to whom it may concern.....
August 4, 1931

LIENS FILED

Alameda County

Recorded	Amount
Aug 4, 1931—LOT 20 BLK 12 Lakeside Subdiv Adams Pt property, Oakland, Maurice S and Stuart N Greenberg as M Greenberg's Sons vs Axel C Nelson and Albert M Paulsen.....	\$150
Aug 4, 1931—S FRANCISCO ST 440 ft W of California St, Berkeley, Burr & Sons vs Harvey Edward York.....	\$395
Aug 3, 1931—LOTS 1 and 2 BLK M, Colonial Acres, Eden Twp. Stowe-Lima Lbr Co vs Paul and Mary Padola, H C and Katherine Chamberlain.....	\$86.65
July 29, 1931—LOT 23 BLK 4 Thousand Oaks Heights, Berkeley, Irving L Graves vs Kathleen Burdell and E R Converse.....	\$279.49
July 31, 1931—PTN LOTS 10 and 11 Blk S, revised map of Oakland Heights, Oakland, O'Keefe & Co, Inc vs R D Mayer.....	
July 31, 1931—1835 BERKELEY Way Berkeley, John Carrick vs Hazel M Burkey.....	\$72.96

BUILDING PERMITS

SAN MATEO

STORE, \$10,000; 3rd Ave.; owner, Stelling & Gould, 155 Montgomery St., San Francisco; architects, Bertz, Winter & Maury, 210 Post St., San Francisco; contractor, G. P. W. Jensen, 320 Market St., San Francisco.

BUILDING PERMITS

SAN JOSE

RESIDENCE, frame, 6-room, \$3800; Third St. near Taylor, San Jose; owner, M. Autuzzi, 766 Irene St., San Jose.
ADD to Type III church school building, \$4500; Second and St. John Sts., San Jose; owner, Trinity Episcopal Church, Premises; architect, Binder & Curtis, 35 W-San Carlos St., San Jose; contractor, C. A. Thomas, 127 Clayton St., San Jose.
RESIDENCE, frame, 5-room, \$2300; Eighth St. near San Salvador, San Jose; owner, Anita Helton; contractor, Homer Sampson, 104 E Twenty-third St., San Jose.
RESIDENCE, frame, 5-room, \$3000; Filomena St. near San Pedro St., San Jose; owner, Chas. Frangello, 255 N-First St., San Jose; contractor, D. Amorosi & Son, 1053 Park St., San Jose.

BUILDING PERMITS

BURLINGAME

RESIDENCE, 1-story, \$5250; lot 12 blk 3, Corbett Ave.; owner and builder, Oscar Swensen.

BUILDING PERMITS

PALO ALTO

DWELLING, stucco, \$3000; No. 502 Bowdoin St., Palo Alto; owner, L. M. G. Peterson; contractor, A. G. Frykman.
RESIDENCE, stucco, \$3000; No. 520 Bowdoin St., Palo Alto; owner, L. M. G. Peterson; contractor, A. G. Frykman.

DWELLING, stucco, \$2000; No. 510 Bowdoin St., Palo Alto; owner, L. M. G. Peterson, contractor, A. G. Erikman.

RESIDENCE, stucco, \$2500; No. 416 Oxford Ave., Palo Alto; owner, Emma Launder; contractor, C. E. Daniel.

RESIDENCE, stucco, \$3250; No. 131 Byron St., Palo Alto; owner, H. C. Knight, contractor, Smith & Burke.

RESIDENCE, frame and stucco, two-story and garage, \$10,500; No. 2045 Cowper St., Palo Alto; owner and builder, Cleveland Smith, Hotel President, Palo Alto.

ADD to garage, \$100; No. 557 W. Crescent Drive, Palo Alto; owner, Henry Heydenaker, Premises.

RUNKER, timber, frame, \$3000; No. 96 Homer Ave., Palo Alto; owner, Urban Bros., Premises; contractor, Kaiser Paving Co., Pleasanton-Livermore Road.

RESIDENCE & garage, stucco, \$5000; No. 2255 Ramona St., Palo Alto; owner, N. P. Nelander, 2236 Bryant St., Palo Alto; contractor, A. Carlson.

DWELLING & garage, stucco, \$3400; No. 256 Lambert St., Palo Alto; owner and builder, Miss Marie C. LaChance, 211 Chestnut St., Palo Alto.

THEATRE and store, 1-story Class C, \$63,000; 475-79 University Ave., Palo Alto; owner, United States Theatres, Los Angeles; architect, Walker & Eisen and C. A. Balch, Western Pacific Bldg., Los Angeles; contractor, Barrett & Hilp, 918 Harrison St., San Francisco.

ADD to residence, \$500; No. 1021 Cowper St., Palo Alto; owner, F. STORE alterations, \$1000; No. 544 Ramona St., Palo Alto; owner, Cardinal Hotel; contractor, H. Z. Chenoweth.

Acc bedroom, \$1000; No. 215 Coleridge Mills; contractor, H. H. Dabinett, Ave., Palo Alto; owner, Ethel C.

BUILDING PERMITS

SAN JOSE

RESIDENCE, frame, 5-room, \$2500; 21st St. near Santa Clara St., San Jose; owner and contractor, G. F. Weidemaier, 321 N-Eighth St., San Jose.

RESIDENCE, frame, 4-room, \$2000; 26th St. near San Fernando St., San Jose; owner, Viola D. Brown, 1272 E-San Fernando St., San Jose; contractor, L. S. Brisbin, 343 E-San Salvador St., San Jose.

RESIDENCE, frame, four-room, \$3250; Eighteenth St. near Julian, San Jose; owner, G. Bertl, 333 N-17th St., San Jose; contractor, Saro Di Fiore, 955 Hamline St., San Jose.

RESIDENCE, frame, 5-room, \$1800; Regent & Hedding Sts., San Jose; owner, T. H. Barclay, 271 University Ave., San Jose.

ALTER Type III business building, \$4000; No. 293 S-First St., San Jose; owner, V. Luba, R. F. D., Uvas Road, San Jose; contractor, Wm. Caldwell, 1241 Hedding St., San Jose.

RESIDENCE, frame, 5-room, \$3850; Emory and Dana Sts., San Jose; owner and contractor, Wm. H. O'Neill, 1500 McDaniel St., San Jose.

BUILDING PERMITS

REDWOOD CITY

DWELLING, frame, 6-room, bath and garage, \$4200; No. 176 Elwood St., Redwood City; owner and contractor, R. A. White, 771 Edgewood Road, San Mateo.

DWELLING, frame, 5-room, bath and

garage, \$2500; No. 604 Wildpale Ave., Redwood City; owner, H. W. Dossin, 1415 Edin Drive, Burlingame.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
July 27, 1931—LOT 90, Wellesley Pk. L. A. Behrens to Archibald Mc-Sachlan.....July 24, 1931
July 27, 1931—LOT 10 BLK 65, East an. Fred H Brown et al to C B McClain.....July 27, 1931
July 27, 1931—LOT 3 BLK 1, Burlingame Grove. W D Dutton to whom it may concern.....July 25, 1931
July 28, 1931—LOT 106, Burlingame Gate. Harry B Allen, Inc. to A W Schneek.....July 27, 1931
July 29, 1931—LOT 16 BLK 29, Milbrae Highlands. Niels Schultz, et al to Schultz Const Co.....July 28, 1931
July 29, 1931—LOT 22 BLK 29, Redwood Highlands. Walton Thomas Maloney to H H MacDonald.....July 28, 1931
July 29, 1931—ARGUELLO ST, Redwood City. Pacific Gas & Electric Co to Standard Fence Co, et al.....May 23, July 9, 20, 13, 7, 1932
July 29, 1931—LOTS 12, 13, 14 and 15, Blk 42, North Fair Oaks. Geo Monferratos to whom it may concern.....July 28, 1931
July 30, 1931—LOT 7 BLK 26, Milbrae Highlands. George Wale to Moses Little.....July 30, 1931
July 30, 1931—LOT 16 BLK 20, Milbrae Highlands. Dave Rosenblatt, et al to Russell M Schaad.....July 28, 1931

June 30, 1931—DAILY CITY, E side San Bruno Ave. O E LaPlant to whom it may concern.....July 20, 1931
July 30, 1931—LOT 11 BLK A Faves Redwood Garden. L H Binley et al to whom it may concern.....July 29, 1931
July 30, 1931—LOT 1 BLK 25, Milbrae Highlands. Elias Vigen to whom it may concern.....July 28, 1931
July 30, 1931—LOTS 25, 26, 27 and 28 BLK A, Milbrae Park. Wm L Connolly to whom it may concern.....July 28, 1931

LIENS FILED

SAN MATEO COUNTY

Recorder Amount
July 27, 1931—LOT 5 BLK 46, East-on. F M McNulty vs Jack Kleiser, et al\$458.93
July 27, 1931—LOT 7 BLK A, Faves Redwood Garden. Arnold Smith, et al vs Sam B Goss, et al\$121.25
July 28, 1931—PART LOTS 1 and 2, Blk 10, Milbrae Villa Tract. Geo Trollman vs Wm R McKnight.....\$156.50
July 30, 1931—LOT 7 Resub of Blks 14 and 15, Hillsborough. Joseph Fee vs John S Aikman.....\$875

RELEASE OF LIENS

SAN MATEO COUNTY

Recorder Amount
July 28, '31—LOCATION OMITTED. D B Gladstone to Charles C Cherry, et al

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted
July 29, 1931—HAWTHORN HILLS, San Anselmo. Harold E Squire and wife to whom it may concern.....July 25, 1931
July 29, 1931—AGATHA COURT, San Anselmo. Marie and Cath-

erine Lang to Ellen Sechelsky.....July 25, 1931
July 29, 1931—FAIRFAX, Lucas P. DeMarino to whom it may concern.....July 25, 1931
July 31, 1931—SAN RAFAEL, C. L. F. and wife to Carl L. Stuart.....July 25, 1931

LIENS FILED

MARIN COUNTY

Recorded Amount
July 29, 1931—HAWTHORN HILLS, San Anselmo. J W Jensen vs E W Rind.....\$75

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded Accepted
July 29, 1931—LOT 3 BLK 18 west, Redeo. Benjamin and Jennie Kro-nick to C and Manuel Valine.....July 29, 1931
July 29, 1931—LOTS 24 and 25 BLK 12, Richmond Traffic Center, ex-cept from lot 24 the northern 37 ft. D W Van Horn to Mortgage Guar-antee Company.....July 27, 1931
July 29, 1931—ANTIOCH. Antioch High School Dist to Mathews Con-struction Co of Sacramento.....July 17, 1931
July 28, 1931—ANTIOCH. Mary Beede Rapp to G Field.....July 22, 1931
July 30, '31—LOT 40 BLK 1, Amend-ed Richmond Pacific Heights. J M Walker to Self.....July 29, 1931

LIENS FILED

CONTRA COSTA COUNTY

Recorded Amount
July 31, 1931—E ½ LOT 7 and all Lot 8 BLK 14, Richmond Center. Tilden Lumber & Mill Co vs Royal E Sweet.....\$143.
July 13, 1931—E ½ LOT 7 and all Lot 8 BLK 14, Richmond Center. Sunset Lumber Co vs Royal E Sweet.....\$143.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
July 31, 1931—LOT 20 BLK 4, Lake-view. Thaddeus E Williamson and wife to whom it may concern.....July 30, 1931
July 28, 1931—LOT 15 BLK 20, Sur-vey 2999. H H Thurston to whom it may concern.....July 28, 1931
Aug. 3, 1931—LOTS 33 AND 34 BLK 3, Brown's Addition, Stockton. J F Lynch to J R Leighton.....August 3, 1931

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
July 29, 1931—N 50 acres of S ½ of N 6th Sec. 36, T 1 S R 1 E, Stock-ton. Hayward Lumber & Invest-ment Co by Verna Laughed ve Julius Raim and L. J. Louren-tes.....\$1000

COMPLETION NOTICES

SONOMA COUNTY

Recorded Accepted
July 30, 1931—COMMERCIAL ST., 72x125 feet, Cloverdale. Edmund T Donald to Mutual Home Build-ers Assn.....July 28, 1931
July 30, 1931—PART LOTS 1 AND 2 Blk 58, 60x175 feet, Cloverdale. Hilmer Peterson to Mutual Home Builders Assn.....July 25, 1931

Aug. 1, 1931—ON STATE HIGHWAY between Santa Rosa and Petaluma and after Flood Ave (126 acres). R. F. Ungelman and H. Matheson and W. L. Jenkins. July 30, 1931
 Aug. 4, 1931—LOT 1 BLK 3, Proctor Terrace Addition, Santa Rosa. George J. Mason to Mutual Home Builders Assn. Aug. 3, 1931

LIENS FILED

SONOMA COUNTY

Recorded Amount
 Aug. 4, 1931—ON FREESTONE Road, W. of Sebastopol (oil acres). Tommy Smith vs. K. Ono; J. P. Kelly, W. M. Hottle, S. R. Robertson; Earl C. Hammett, Trustee. \$16.83
 July 31, 1931—PART LOT 4, of the former Archer Tract near Forestville. E. U. White Lumber Co. vs. Baldwin W. and Elva S. Ward. \$173.54
 July 31, 1931—ON FREESTONE RD (oil acres). West of Sebastopol. Henry Hottle vs. J. P. Kelly, W. M. Hottle and S. R. Robertson. \$27.98
 July 31, 1931—ON PETALUMA-Santa Rosa Highway, 253 acres, less some exceptions. Sterling Lumber Co. vs. F. L. and Marie O. Yarbrough. \$185.80 and interest

BUILDING CONTRACTS

MONTEREY COUNTY

PACKING SHED
 GONZALES, Monterey Co.; construction of a vegetable packing shed. Owner—Salinas Valley Ice Co., Ltd., Gonzales.
 Plans by W. E. Greene.
 Contractor—Tom Hamby, Soledad.
 Filed July 31, '31. Dated July 30, '31.
 Progress payments of.....75%
 Usual 35 days.....25%
 TOTAL COST, \$5180
 Bond, \$5180. Sureties, Fidelity and Deposit Co. of Maryland. Plans and Spec. filed.

BUILDING PERMITS

SACRAMENTO

GENERAL repairs, \$1230; No. 5023 Folsom Blvd., Sacramento; owner, R. Anderson, 2431 J St., Sacramento; contractor, C. J. Hopkinson, 1810 28th St., Sacramento.
 SUBWAY, \$59,000; Fifty-eighth and H Sts., Sacramento; owner, S. P. Railway and City of Sacramento; contractor, Lindgren & Swinerton, Inc., California State Life Bldg., Sacramento.
 HOUSE and garage, 7000; No. 3642 19th St., being Lot 344 W. & K. College Tract, Sacramento; owner and builder, T. Scollan, 2320 X St., Sacramento.
 HOUSE and garage, \$6000; 360 37th Way, lot 102 McKinley Tract No. 2; owner, H. P. Leach, Loomis; contractor, T. A. Scott, 3849 Madison Court.
 HOUSE, 3-room, \$1000; 1908 52nd St. rear lot 1316, Elmhurst; owner, R. F. Bell, 1814 53rd St.; contractor, J. P. Howell, 1837 47th St.
 BUILDING, 1-story, \$3300; 2130 51st St., lot 2924 Elmhurst; owner, J. Manica, 2617 Rachen Way; contractor, Azevedo & Sarmento, 920 O St.
 HOUSE and garage, \$5000; 4615 7th Ave., Sacramento; owner & builder, J. Pedone, 914 S St.
 WAREHOUSE, \$4000; No. 2600 Third St., lot 42, W. & K. Tract, Sacramento; owner, Carl Setzer, 2570 Third St., Sacramento; contractor, Fire Protection Eng. Co., 369 Pine St., San Francisco.
 HOUSE and garage, \$4000; No. 1324 57th St., being Lot 262, Smith Trct. No. 4, Sacramento; owner, F. Banducci, 1301 57th St., Sacra-

mento; contractor, F. Sarmento, 2930 24th St., Sacramento.
 HOUSE and garage, \$5000; No. 2900 17th St., being Lot 66 Blk 12, Maple Park, Sacramento; owner, Mrs. B. Bolt, 1319 8th St., Sacramento; contractor, F. Richards, Hagginwood.
 WAY HOUSE and garage, \$6000; No. 2331 17th St., being Ptn Lot 64 Blk 12, Maple Park, Sacramento; owner, C. Jennings, 701 San Miguel St., Sacramento; contractor, F. Richards, Hagginwood, Sacramento.
 GENERAL repairs, \$4800; No. 1515 I St., Sacramento; owner, Russell & Logan, 1515 I St., Sacramento; contractor, C. J. Hopkinson, 1810 28th St., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
 July 31, 1931—SOUTHERN PACIFIC Station, Sacramento (spray booths). Southern Pacific Co. to whom it may concern. July 22, 1931
 July 31, 1931—LOT 6, Harding Place, Sacramento. H. C. Prince to whom it may concern. July 30, 1931

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
 July 28, 1931—N ½ LOT 1 and N ½ of W ½ Lot 2, H. I. 20th and 21st Sts., Sacramento. C. E. Yorlander doing business as Reliable Elevator Works vs. Mathews Constr Co. et al. \$239
 July 28, 1931—LOT 1 and N 30 ft. Lot 2 Blk 21st St. and Florence Ave. and Second Ave and Castro Way, St. Francis Oaks, Sacramento. A. J. Boitano (doing business as Sinclair & Bessey) vs. Mathews Constr Co. et al. \$150.20
 July 28, 1931—LOT 1 and N 30 ft. Lot 2 Blk 21st St. and Florence Ave. and Second Ave and Castro St., St. Francis Oaks, Sacramento.

Rex Moore vs. Mathews Constr Co. (John C. Shreck and F. P. Basler); Standard Oil Co. of Calif.; Ann Howland; J. W. and Bena Stuessy. \$101
 July 31, 1931—N HALF LOT 1 and N ½ of W ½ lot 2, H I 20-21. W. J. McLaughlin doing business as McLaughlin Sheet Metal Works, vs. Mathews Constr Co., John C. Shreck and F. P. Basler, doing business as Mathews Constr Co., Standard Oil Co., Frank P. Williams and Anna E. ux. \$127.20

BUILDING PERMITS

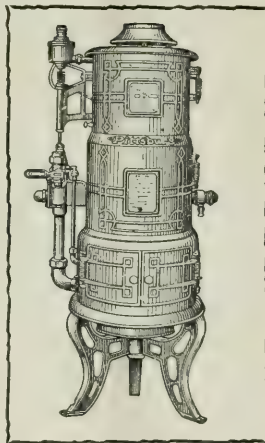
FRESNO

ICE house, \$2200; Broadway and Amador St., Fresno; owner, M. F. Hansen.
 DWELLING, \$4000; 2112 Wilson Ave.; owner, F. N. Growdon, 3859 Turner St.; contractor, S. C. Ramage, 2390 McKinley.
 ALTERATIONS and additions, \$1900; 609 Poplar Street; owner, W. G. Donovan, 326 Valeria St.; contractor, A. S. Longacre, 1946 Tuolumne.

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
 July 31, 1931—LOT 313, F G F G Sub No. 1, Fresno. John A. Devlin to whom it may concern. July 30, 1931
 July 31, 1931—THEO ROOSEVELT High School and T. L. Heaton School, Fresno. Fresno City High School District and City of Fresno School District to Standard Fence Co. July 30, 1931
 July 28, 1931—LOTS 7 AND 8, Zapp's Park, Fresno. W. H. Richmond to whom it may concern. July 28, 1931
 July 28, 1931—LOTS 12 & 13, Paul's Gardens, Fresno. Chris Sommers Jr. to whom it may concern. July 27, 1931



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BUILDING *and* ENGINEERING NEWS

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SAN FRANCISCO, CALIF., AUGUST 15, 1931

Published Every Saturday
Thirty-fifth Year, No. 33

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PREVAILING WAGE RATE AT SACRAMENTO

An official call for bids issued by the Sacramento Board of Education to construct an addition to the Sacramento Junior College contains the "prevailing rate of per diem wages" to be paid by the successful contractor on the project.

Sacramento is the first municipality in this section of the state to specify the "prevailing wage rate."

The official call for bids says:

"The general prevailing rate of per diem wages in the City of Sacramento, California, for each craft or type of workman needed to execute the said contract, and the general prevailing rate for legal holiday and overtime work, which said specified rates the Contractor or any sub-contractor must pay are as follows:

Asbestos Workers	\$ 8.00
Bricklayers	12.00
Carpenters	9.00
Cement Finishers	9.00
Concrete Laborers	6.25
Concrete Mixmen	8.00
Electrical Workers	10.00
Engineers, Hoisting	10.00
Engineers, Structural	11.00
Floor Layers	10.00
Glaziers	8.00
Hod Carriers (brick)	8.00
Hod Carriers (plaster)	9.00
Housemovers	9.00
Housemiths	9.00
Laborers	5.50
Lathers	10.00
Millmen	8.00
Painters	9.00
Plasterers	12.00
Plumbers	10.50
Roofers	9.00
Sheet Metal Workers	10.00
Steam Fitters	10.50
Structural Steel Work	11.00
Truck Drivers, Heavy	6.25

IN LUMBER WAGES:

Lumber piers, \$.607; Teamsters, \$.674; Truck Drivers and Clerks, \$.742. The above are per hour.

The prevailing rate for legal holiday and overtime work is double the above prevailing rate of per diem wages."

MUNY OWNERSHIP PAYS AT REDDING

A report submitted to the Redding, Calif., city council by Leslie Engram, city clerk, shows that the Redding municipal electric lighting system cleared \$46,722.49 in the last fiscal year.

Receipts were \$101,587.33. Allowing for depreciation and betterments, the actual cost of operation, including interest on outstanding light bonds, was \$54,864.84.

When the lighting system was bought, Redding sold \$40,000 worth of bonds. It has paid off \$9,000, leaving \$31,000 outstanding.

SUNNYVALE HANGAR BIDS ARE REQUESTED

Bids to construct the hangar at Sunnyvale, Santa Clara County, will be considered by the Bureau of Yards and Docks, Navy Department, Washington, D. C., on Sept. 23. It is announced by the Public Works Officer of the Twelfth Naval District, 100 Harrison St., San Francisco.

The hangar will be 1138 feet in length, 310 feet wide and 198 feet high, and together with auxiliary construction, will involve an expenditure of between \$1,500,000 and \$1,750,000.

Plans for this project are obtainable from the offices of the Twelfth Naval District. A deposit of \$10 is required for the grading and foundation plans and \$75 for the hangar plans.

STATE EXCHANGE TO MEET IN SEPTEMBER

The annual convention of the California State Builders' Exchange will be held in San Luis Obispo on Sept. 26. It is announced by Geo. W. Israel, executive secretary of the state association.

According to tentative plans it is proposed to hold a meeting of the allied construction interests on Friday, the 25th, as suggested by the State Exchange and the Industrial Department of the California State Chamber of Commerce.

The general exchange meeting will be an all day session and will be devoted to the discussion of important matters confronting the construction industry at the present time. Legislation recently adopted at Sacramento will be discussed and a program outlined to assist in enforcement of such legislation, particularly with regard to the contractors' license law and the enforcement of wage schedules.

WAGE VIOLATIONS BRING INDICTMENTS

Two contracting firms and three individuals have been indicted by the grand jury at Baltimore charged with violating the city charter provision which requires the payment of no less than the current minimum rate of wages to employees engaged on municipal work.

Those indicted are the Whiting-Turner Const. Co., which is building a large conduit to carry water between Druid Lake and Montebello Lake; the Mullen Contracting Co., which is doing some public school work; Eric and Anthony Lassotovich, doing some concrete work in connection with one of the schools; and Basil B. Wells, who has contracted to paint several schools and fire engine houses.

URGES MERGER OF SMALL LUMBER YARDS

Consolidation of retail lumber yards in small towns to put business on a more satisfactory basis is urged by E. E. Woods, secretary-manager of the Southwestern Lumbermen's Association at Kansas City.

In a recent bulletin to members he says: "Now is a mighty good time to be thinking about decreasing investments in retail lumber yards. There are towns with three yards that have not made a profit on the investments in ten years. There are 2-yard towns that probably never will make any money until the investment is cut squarely in two. There are small towns that the hard surfaced roads have practically wiped off the map; the bank is gone, and the only question remaining is how soon the lumber yard will go out. We know of one line-yard company that has discontinued three small yards this year. We know of a number of consolidations that are under consideration at this time. If yards were not making money two or three years ago when conditions were relatively good, it would seem only ordinary prudence to do something about it now. Yards that are continually losing money can not do a good job of distributing building materials. Fewer, more efficient yards are in the interest of the building industry."

GRANDSTAND SAFETY IS PURPOSE OF CODE

The scope of the proposed American Standard Safety Code for Grandstands, now being developed by a committee under the procedure of the American Standards Association, has just been approved by the ASA Standards Council. The code will cover:

The design and construction of permanent and temporary outdoor stands and temporary and portable indoor stands for the seating of audiences; stability and strength; volume and facility of exits from the standpoint of flow of traffic and prevention of panic jams; fire hazards and the provision of fire fighting equipment for wooden or other combustible stands; sanitary arrangements; methods of erection of temporary and portable stands.

The chairman of the committee, Kenneth H. Osborn, secretary of the Osborn Engineering Company, Cleveland, Ohio, is now appointing the chairmen of the subcommittees which will prepare tentative drafts of various sections of the code. These sections will include: General design and construction; concrete structures; portable steel and wooden structures; permanent steel and wooden structures; fire protection and exits.

IS THE 5-DAY WEEK THE WAY OUT OF THE DEPRESSION?

By J. George Frederick, President, The Business Bourse, New York, in Trade

Winds, Published by the Union Trust Company of Cleveland, Ohio.

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I do not like approaches to any subject which are based either on temporary expedience, sentimentality, or social theory. For this reason I propose that we examine the five-day week plan purely from the standpoint of a practical measure to meet our general problem of excess production capacity. Will it be a help or a hindrance? It is only begging the entire question to argue it merely from the point of view of providing more employment during the present depression. The question must stand or fall on its merits as a modern-day industrial policy in good times and bad.

If we face the question squarely, we cannot evade the fact that American production capacity, even before the depression started, was from 40 to 45 per cent in excess of consumption. Since the depression it has ranged from 55 to 70 per cent in excess, with some industries rather completely stalemated.

The conclusion appears inevitable that the industrial world has so brilliantly tooled and manned itself that production must now be definitely throttled down to the level of consumption to avoid continual and burdensome surpluses. This conclusion is even more obvious in the agricultural field than in the industrial field, but the causes of overproduction are precisely the same: the application of more power, more effective machinery and more skill. The growers must refrain from working as hard and as long if they are not to pile up grain, fruit and produce which will glut the markets.

Manufacturers must budget their production to fit possible sales more closely or suffer serious economic ills. Even those who tap nature's resources such as oil and coal producers, face the same consequences. They too have developed their technique and skill to a point where the resulting production cannot be absorbed and threatens to overwhelm and depress prices ruinously.

Surely, then, it is thoroughly obvious that the efforts to produce goods in America should be eased off. Our progress in science and machinery is beyond the average person's realization. Thousands of examples could be cited. Four men can now do in three to seven hours what it once took eight men three weeks to do in repair work on locomotives, thanks to the oxy-acetylene torch. A brick-making machine makes 40,000 bricks an hour; whereas one man once took eight hours to make 450 bricks. The machine's one-hour performance is equal to 711 man-hours.

And so one could go from industry to industry citing countless mechanical short-cuts to greater production. The point certainly must be clear. The country's men and machines could perform veritable miracles of production, if the product could be absorbed. But it can't; the development of additional purchasing and consuming power is a slow and complex process, apparently little understood as yet.

How can production be eased off? There are various negative ways, such as shut-downs, part-time operation, intermittent layoffs—or liquidations, or operating at a loss or near-loss, and living in hope. We have tried all these methods already. We had a long per-

iod before the war of "profitless prosperity," and for many years corporation income tax reports have indicated that from 42 to 46 per cent of American corporations showed deficits instead of profits. Since the depression started, a series of drastic measures to cut production has been introduced.

How can production be reduced most evenly and painlessly? The positive, constructive method would seem to be to reduce systematically the amount of labor directed to production, without uneven and spasmodic five and one-half or six-day operation during one period, and idleness in another period.

The entire path of American progress has been, it should be recalled, along the line of reduction of working time. There are records of work days in early American history of 7 A. M. to 7 P. M. This working time has consistently shortened.

Taking the 1913 conditions as zero, the decrease in the length of the average working day, by 1929, reached 8½ per cent. Meanwhile the wage scale increased from \$1.00 to \$2.62. Each year the length of the average work day declined; it is evidently a process closely affiliated with modern power application and tooling, to say nothing whatever of modern theories of employee welfare and purchasing power.

It has been calculated that a five-hour work day would be sufficient, at the present time, to produce all that can be sold. This is a thirty-hour week as against the five-day week's standard of forty hours. Such figures are a measure of the need for a production cut.

Since the reduction to the present eight-hour day has obviously been due to the forces of logic, a further reduction of working time is as strictly logical as a mathematical equation. We are now up to the point where it becomes simply a question of what form labor-time reduction shall take, since labor-time must obviously be reduced (and has been reduced in this depression by absolute necessity, but arbitrarily and painlessly).

There are today something like 1,100,000 workers operating on a five-day week basis, as contrasted with approximately 500,000 just before the depression. In addition we have of course at present millions with no work at all. It gets nowhere to argue for the five-day week as a sheer depression measure; absolute necessity is setting its own rules.

But with the bottom of the depression here, thought should now turn to effective measures for more normal times, since the key-lesson of the depression is to budget production so as to prevent it from exceeding consumption. The five-day week is, in effect, a production budgeting measure. As such it therefore deserves the greatest possible consideration.

As a matter of fact, the excess capacity of our industrial set-up in American is—for the next five years at least—so great, with so decided a momentum toward still greater production, that there is plenty of room for argument whether even a five-day week will not produce too much goods.

Certainly it has been proved in a number of instances that five-day

week employees can and do equal their previous five and one-half-day week production. In some instances where the five-day week has been introduced, not as a production-reducing measure, but as an employee welfare measure, the stipulation is made that before it is permitted, the five-day week must produce the equal of the five and one-half-day week production.

Thus the Snow King Baking Powder Company of Cincinnati selected its best single months of five and one-half-day week production as a basis for the quota figure for a regular five-day week's production; the penalty for not reaching it being to work on Saturday. The actual result was a 10 per cent production increase!

I cite this to show that in many industries it is no trick at all for employees to equal in five days the five and one-half-day production quota. In other industries it would of course not so readily be possible, due to the automatic rate of work-flow. The Saturday half-day has never had a good record for efficiency and is today something of an anomaly and a social waste.

Some concerns prefer the six-hour day rather than the five-day week; and this plan (once advocated by Lord Leverhulme of England and regarded for years as chimerical) has proved a decided success in some industries. The Kellogg Company at Battle Creek, Michigan, makers of breakfast foods, operates with 2900 employees on a six-hour operation plan consisting of four shifts of six hours each, employees not stopping for meals. It has, in this instance, cut overhead, increased production, increased the basic wage scale, added 20 per cent to the employees and has been profitable to stockholders, since the increased rate of plant production brought a greater annual return on capital.

It should be clear from these few instances that the five-day week in many industries does not necessarily involve a reduction in production, and that therefore if the five-day week is generally adopted throughout the country, there is enough flexibility in the plan to fit not only the industry which must maintain production, but also the industry which should reduce it, and prefers a six-hour day. The six-hour day and the five-day week are intimately related.

The building trades are of course to a very large degree won over to the five-day week, as the American Federation of Labor has long been concentrating its advocacy of the five-day week in this field. It was a notable event when the 150,000 building trades workers of New York City went on a five-day week in the spring of 1929.

Even in 1928 the employees operating on the five-day week plan included 53 per cent of plant and establishments, 30 per cent of automobile plant workers and 14½ per cent of building trade workers. The depression accelerated the movement very decidedly, quickly doubling the number working under the plan.

A survey made by the National Industrial Conference Board showed that out of 94 companies which reduced working hours when adopting the five-day week, 24 reported a proportionate decrease in production, 46 reported no decrease in production, and 18 reported increase. Thus it appears that even when the five-day week is adopted, in only about 20 per cent of instances does it reduce production. From this it should be obvious that the five-day week is not a drastic but only a mild reducer of production.

If industry scales production strictly to sales, there is not the slightest hope in the next year or two that it

THE OBSERVER

What He Hears and Sees on His Rounds

can employ all American industrial workers for full time, six days of the week. It is unlikely that it will be attempted, after the salutary lesson we have had concerning the doleful results of overproduction.

Another lesson the depression has taught is the demoralizing effect on workers of insecure, spasmodic, uncertain employment. Working for a period of weeks at six days a week and then laying off workers altogether does not reflect much credit upon American business management. It seems a far more reasonable and sane method—where feasible at all—to set the more even pace of five days a week.

If the five-day week will help to reduce the vast quantities of merchandise made purely on hope and speculation—merchandise which is finally sold at bankrupt sales or in distress job lots which knock the bottom out of the regular market—then it will have performed a most important economic service.

It should be realized that so long as custom and habit set six days as the conventional period for labor at production, there will more or less automatically continue a high rate of production; whereas when a new preponderant custom and habit of five-day production is begun there will tend to occur a correspondingly lower rate of production, more in keeping with the volume of demand.

Those industries happening to need increase rather than decrease in volume may still conform to the new five-day habit by doing as some five-day firms now do—increase the hours of the five days and work 47½ hours.

So far I have not said a single word regarding what many consider the most potent argument of all for the five-day week, namely the effect on purchasing power of more Saturday leisure. Too much has been made of this, theoretically. After all, a great many forms of merchandise could not be affected by more Saturday leisure. Doubtless the soda pop bottlers, the automobile tire makers, the hot dog stands and other entertainment merchandise would immediately benefit. Doubtless also there would be important indirect benefits as people learned to use their added leisure constructively and wisely.

By all odds the most important aspect of the five-day week, I still maintain, is the setting up of a habit and a convention of five-day operation, thus tending to reduce the vast flood of merchandise production which upsets the market and depresses prices.

Where once man had to struggle to increase production to safeguard himself from famine, he now must struggle to prevent overproduction.

The five-day week may prove a practicable means to prevent overproduction in many industries, as it already has in a few.

WAGE-RATE LAW CANCELS CONTRACTS

All bids for public works which were received before July 1 and on which no awards had been made by that date are illegal and invalid under the new wage-rate law of Illinois, according to an opinion given by the attorney general, O. E. Carlstrom.

In cases where the award was made and the successful bidder was so notified in writing before July 1, the contract is valid, as the actual signing of the contract after that date is merely formal evidence of an award made previously.

This law is held to apply to all work under public bodies, including commissions and school districts.

The home builder can get more for his dollar today, reports to government housing experts indicate, than he has in the last nine years.

And the home-equipment dollar will go further in most places than it has since early in 1918.

The wholesale prices of building materials are at the lowest level since March, 1917.

While published wage scales show no decrease, building labor costs are said to have come down during the depression. One reason given for this is the availability of skilled mechanics who are eager for employment and give their utmost on the job.

For instance, the National City Bank states in a current bulletin that a workman now lays from 1200 to 1400 common bricks a day as compared with 700 formerly.

Prices of brick, lumber and most other materials have declined considerably in the last year.

Statistics of the department of labor show that on the average building materials which cost \$100 in 1925, the index year, can be bought this summer for \$80.90. A year ago the cost was \$94.70.

The price decline in recent months has been slight but steady. Government experts, however, will not hazard a prediction as to whether "rock bottom" has been reached.

A direct mail campaign to educate mill operators to the advantages of putting out certified millwork and to inform architects of the service rendered by the Millwork Institute of California and encourage them to specify certified millwork, will be conducted by Lester G. Sterritt, secretary of the Institute.

A loose-leaf folder containing half or full size plans for such items as frames, panels, stairs, etc., will soon be available to everyone in the industry. These plans, which will be most modern technically, and complete as to detail, will be very valuable to architects.

The first millwork schedule which has ever been developed was published by the Institute several weeks ago after about three and a half years' work. These standard millwork schedules set up a standardized method for pricing all items of millwork except sash and doors. They are expected to help in standardizing estimating practices in California, where they are already generally used by millmen. The books may be purchased from the Institute at cost of compilation and publishing.

A correspondence course has been inaugurated to assist members to understand the application of the schedules, in which any employee may enroll free of charge.

William Wilson Wurster, San Francisco architect, has been proclaimed the winner of first prize in an annual competition carried on by an Eastern magazine for the best designs in new five to seven-room houses. The winning home was one built in the Santa Cruz mountains for Mrs. Warren Gregory and is a fascinating example of the simple almost primitive early California ranch house. Further honors came to California architects with ten out of the entire sixteen awards granted to contestants from this State. Architects from thirty-five States competed.

A "prevailing wage scale" adopted by Burbank City High School District for construction of tennis courts and fences fixes the schedule at \$4 per day for laborers, teamsters, levelers, wagon men, etc.; \$6 for cement mixer operator and finisher and painter, \$5 for truck and tractor drivers, \$8 for cement foremen, steam shovel, excavating machine, dragline and clamshell operators, and \$6 for fence erecting foreman.

Unfilled orders of the U. S. Steel Corporation showed a decrease of 74,507 tons in July to a total of 3,404,816 tons as of July 31.—In June a decrease of 141,129 tons was reported. Only a small change in the figures for last month has been expected. The corporation's operations in July were at the lowest rate of the year, averaging about 32 per cent of capacity, and the management endeavored to keep production and business as close as possible to new orders. Demand was small, a normal experience at mid-summer, although the slackness was emphasized by the extreme depression in the industry.

A 40 per cent increase in enrollment in engineering schools of the country during the past five years narrows professional possibilities in some of the fields, as the saturation point approaches, W. C. John, specialist in professional education at the federal office of education, asserts.

Total enrollment in 145 leading engineering schools reached 78,685 for 1930-1931, of whom 12,161 were undergraduate seniors and 2339 students of graduate engineering, he said. The following additional information was furnished by Dr. John:

Placement of graduates of engineering schools seems to be raising a problem as the number of students increases. Reports collected by F. L. Bishop, secretary of the society for the promotion of engineering education, indicate that but 35.2 per cent of the graduates of 88 institutions this year have been placed. The reports involved 5866 graduates, of whom only 2240 were placed.

Financing of the California water conservation plan by creation of a building fund through taxation of some other natural resource such as crude oil and natural gas was proposed by former Assemblyman Van Bernard of Butte County to the meeting of the joint legislative water committee and the Sacramento Valley Water Association.

The common brick industry has accepted the changes in its trade practice conference rules recently suggested by the Federal Trade Commission. Ten rules relate to practices held to be violations of the law and pertain to such subjects as price discrimination; secret payment of rebates; inducing breach of contract; selling goods below cost with intent to injure a competitor; imitation of trademarks, trade names or slogans; shipping products which do not conform to samples; giving money to employees of competitors' customers; shipping goods on consignment with intent to injure a competitor; defamation of competitors; and coercing the purchase of several or a group of products.

ALONG THE LINE

George A. Manley of San Anselmo has been appointed city engineer of Sausalito, succeeding C. E. Sloane of San Francisco.

Thomas D. Graham, 79, formerly of Cleveland, Ohio, and once head of steel enterprises in the United States, Canada and Mexico, died in San Diego, August 7.

Otto H. Elsenbels, Seattle shipping man since 1930, has been appointed Port Warden of the City of Seattle, succeeding George Herpik. The appointment was made by Mayor Robt. Harlin and is effective September 1.

Jack L. Fingado, junior highway engineer engaged on a road project near Lake Tahoe, died while swimming in the lake at Glenbrook, Nev., August 2. He was a graduate of the University of California and lived in Sacramento.

Appointment of C. R. Montgomery, Los Angeles attorney, as general right-of-way agent with headquarters in Sacramento, is announced by Walter E. Garrison, state director of public works. Montgomery graduated from Stanford University in 1923 and was given a J. D. degree in 1930.

Edward Peres, contractor of Richmond, is suffering from two broken arms, a broken shoulder and several broken ribs as the result of an automobile accident near Reno last week. The accident was due to a defective tire which caused his automobile to crash into another car and turn over. After receiving treatment at Reno he was moved to the Merritt Hospital in Oakland.

"Motor vehicle taxes should be used for the benefit of motor vehicle drivers and any diversion of such taxes to other uses than roads will be fought to the bitter end by 26,000,000 motor vehicle owners—one-fifth of the population of the United States," says G. B. Sowers, commissioner of engineering and construction of Cleveland and president of the city officials' division of the American Road Builders' Association.

J. D. Ross, dismissed as superintendent of Seattle's municipal lighting department on March 9 by Mayor Frank Edwards and returned to that position on July 14, following the recall of Edwards, has been named chairman of the board of public works by Robert H. Harlin, former councilman, named mayor by the city council. Other members of the board named by Mayor Harlin are: E. W. Morris, city engineer, succeeding R. H. Thomson; A. F. Marion, superintendent of water, succeeding Wm. Severnys; W. T. Bickford, superintendent of building, succeeding J. L. Hardy; and H. W. Dail, superintendent of streets and sewers, succeeding Dan Boyle.

Annual license fees required of master plumbers and side sewer contractors has been reduced from \$50 a year to \$25 a year by the Oakland city council. The action was taken in an ordinance passed to print on motion of Councilman George Fitzgerald. The measure takes the place of another which was scheduled for final passage, but had to be amended.

BUILDING PERMIT TOTALS FOR MONTH OF JULY, 1931

Cities comprised in the Pacific Coast area during the month of July, 1931, expended \$15,216,762 in new buildings and improvements to standing structures as compared with \$20,163,187 for the month of July, 1930, according to figures compiled from data received from building department executives in the cities included in the survey.

California last month registered a total of \$10,543,458 as compared with \$15,712,695 in July of last year.

Washington state in July, 1931, expended \$2,915,653 as compared with \$2,602,684 for the corresponding period last year.

Oregon state, in July, 1930, registered a total of \$808,643 as compared with \$1,074,615 this year.

The following is a complete listing of cities and the amounts expended in construction, based on building permits, as reported by building department executives in the cities named:

CALIFORNIA

City	No.	July, 1931	Cost	July, 1930
Alameda	50	\$ 25,355	\$ 64,940	
Albany	24	34,230	27,230	
Alhambra	54	111,800	150,300	
Anaheim	44	6,750	31,135	
Bakersfield	108	30,178	198,258	
Berkeley	108	158,473	171,411	
Beverly Hills	53	520,911	551,130	
Burbank	23	32,110	74,075	
Burlingame	19	54,992	34,275	
Chula Vista	10	3,865	4,170	
Colton	5	2,200	5,100	
Compton	8	19,150	32,300	
Coronado	13	17,970	43,884	
Eureka	14	12,850	36,001	
Fresno	82	73,014	79,199	
Fullerton	7	1,810	20,575	
Glendale	103	234,475	304,677	
Hayward	4	18,825	12,615	
Huntington Park	31	68,175	143,260	
Inglewood	45	85,320	81,875	
Long Beach	325	384,160	867,195	
Los Angeles	2036	3,751,072	5,841,626	
Los Gatos	4	10,185	7,550	
Lynwood	8	7,400	21,570	
Modesto	22	27,175	33,471	
Monrovia	22	19,710	9,435	
Montebello	6	2,875	17,700	
Monterey	28	253,679	8,517	
National City	8	8,320	12,870	
Oakland	293	484,350	369,909	
Oceanside	10	21,596	2,890	
Ontario	13	109,115	20,450	
Orange	11	19,315	13,300	
Pacific Grove	7	7,500	22,725	
Palos Verdes Estates		9,000	27,000	
Pasadena	258	177,806	1,591,514	
Petaluma	6	9,750	9,900	
Piedmont	12	19,256	142,800	
Pomona	46	50,072	284,800	
Redwood City	29	61,534	117,390	
Richmond	40	127,658	36,150	
Sacramento	121	277,211	207,032	
Salinas	19	39,527	39,400	
San Bernardino	29	35,919	134,617	
San Diego	323	342,735	478,428	
San Francisco	583	1,828,473	1,086,836	
San Gabriel	12	21,007	47,075	
San Jose	73	122,410	470,865	
San Marino	6	71,113	221,877	
San Mateo	19	146,778	185,392	
San Rafael	12	28,975	106,025	
Santa Ana	55	58,084	239,887	
Santa Barbara	67	86,317	325,659	
Santa Cruz	17	18,653	13,645	
Santa Monica	68	86,513	197,990	
Santa Rosa	20	14,950	70,325	
South Gate	35	50,030	84,185	
South Pasadena		61,354	87,765	
Stockton	53	62,315	49,360	
Torrance	13	9,560	42,250	
Ventura	10	55,900	21,750	
Vernon	7	12,715	87,545	
Watsonville	10	11,335	17,915	
Willow Glen	15	37,500	45,700	
Total	5,438	\$10,543,458	\$15,712,695	

ARIZONA

Phoenix	59	\$ 124,659	\$ 451,670
Tucson	72	122,011	76,413
Total	131	\$ 246,670	\$ 528,083

IDAHO

Boise	36	\$ 24,758	\$ 31,070
Lewiston	13	6,040	16,662
Nampa	21	24,355	10,125
Total	70	\$ 55,353	\$ 57,857

NEVADA

Reno	59	\$ 99,050	\$ 105,450
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UTAH

Logan	3	\$ 5,800	\$ 13,800
Ordin	15	30,900	13,700
Salt Lake City	81	245,263	320,275
Total	99	\$ 281,963	\$ 347,775

OREGON

Albany	3	\$ 2,750	\$ 3,100
Astoria	25	6,410	2,920
Corvallis	20	10,040	38,000
Eugene	63	29,796	27,675
Klamath Falls	6	5,175	33,470
Marshfield	6	5,175	51,025
Portland	410	952,610	584,995
Salem	52	44,839	17,458
Total	579	\$ 1,074,615	\$ 803,643

WASHINGTON

Aberdeen	26	\$ 1,747	\$ 29,777
Bellingham	42	26,559	28,692
Everett	85	14,135	29,890
Port Angeles	7	5,475	24,800
Seattle	446	2,183,985	1,315,530
Spokane	148	383,985	667,350
Tacoma	185	258,065	360,410
Vancouver	28	20,312	18,240
Walla Walla	28	1,920	29,940
Wenatchee	28	20,390	38,055
Total	1,005	\$ 2,915,653	\$ 2,602,684
Grand Total	7,381	\$15,216,762	\$20,163,187

Building Officials

Preparing for Annual Meeting at Berkeley

Building code development and enforcement have been stressed by the Pacific Coast Building Officials' Conference in the program for its tenth annual meeting, to be held at Berkeley, Oct. 5 to 10, inclusive, with an attendance of city building inspectors, building materialmen and others connected with the building industry. Program features announced by the president, S. P. Koch, chief building inspector of Berkeley, include papers on subjects of practical everyday interest, breakfast discussions dealing with problems of the building inspector, and committee work on code maintenance.

The most important achievement of the Pacific Coast Building Officials' Conference has been the preparation and publication of the Uniform Building Code for the use of interested cities. Koch states that since 1927 when the code was first published it has been adopted in full as the building ordinance of 100 cities and towns and has been used by numerous others in part or as a basis of revising existing building laws.

Larger cities that have adopted the entire code include Alameda, Berkeley, Fresno, Long Beach, Riverside, Sacramento, San Bernardino and San Jose, Calif.; Everett and Olympia, Wash.; Salem and Eugene, Ore.; Austin, Dallas and Houston, Texas; Tucson, Ariz.; Grand Forks, N. D.; Helena, Mont.; Albuquerque, N. M.; Birmingham, Ala., and Utica, N. Y.

At each annual convention the code is reviewed and proposed changes discussed and recommended by the object of keeping the provisions correct, up to date and unbiased in conformity with the latest and best modern practice and research findings. At this year's convention nearly two days' time will be devoted to code maintenance work. Two new chapters will be considered, one concerning termite and fungus control, the other dealing with licensing contractors. The first mentioned is being prepared by the Termite Investigations Committee of California from data resulting from several years of study, research and experimentation. An electrical sign and billboard ordinance is also to be presented.

Continuing a practice that Koch reports as increasingly popular, four breakfast discussions of two hours each have been provided for to allow building inspector delegates to ask questions on building code interpretation and enforcement.

Another feature will be a contest among the inspectors to determine their ability in judging lumber grades. Papers scheduled include the following, among others: "Building material specifications and tests as they affect the building inspector," by Frank L. Howard, testing engineer, Smith-Emery Co., Los Angeles; "Fire zones from an underwriter's standpoint," by L. S. Bush, chief engineer, Board of Fire Underwriters of the Pacific; "Condemnation of buildings," by C. D. Wallis, Jr., chief building inspector, Long Beach, Calif.; "Mode termite control ordinances," by Earl E. Bower, executive secretary, Termite Investigations Committee of California, and "Construction for the use of gas in the modern home," by H. C. Ross, engineer of utilization, Pacific Gas and Electric Co., San Francisco.

An entertainment program, unique because of the number of interesting and scenic places near Berkeley, is being arranged by the Berkeley entertainment committee, with special directions for the wives of delegates.

PREVAILING WAGE LEGISLATION— WILL IT GO WITHOUT FRICTION?

In twenty states, according to the special surveys conducted by Engineering News-Record of New York, legislation or executive order controls the minimum wage that shall be paid labor employed in public works construction.

"Wage legislation," Engineering News-Record says, "is new this year in view of the state having laws, and in the states where executive order prevails this action has been largely as of 1930 and 1931. Conclusively then it is the unemployment situation and the willingness of a minor but effective number of public works contractors to exploit this misfortune that have brought on the sudden accession of wage legislation. This conclusion is not at all vitiated by the fact that most state wage laws antedate the present depression, these previous laws having come into existence independently through a score of years from unrelated causes. The present wage-control activity is squarely the offspring of enforced idleness and the disposition of a few to make capital of it.

"It is impossible for contracting to escape the charge of having compelled the present activity in wage control by law and fiat. Examples of wage cutting and disputes over cut wages exist on every hand to prove culpability. Legislatures and public works officials have had no recourse but action if a general wage debacle was to be avoided. Wage cutting by a few contractors—and in every instance a few contractors and largely contractors foreign to the locality have been the culprits—could not have persisted long without involving all contractors. This was a result to be prevented by all means, and contracting was not organized to provide any means that were effective. The lesson is very plain: In wage control, as in accident

prevention and all other things affecting public and customer relations, contracting has to show ability to keep its practices clean or the task will be taken from its hands.

"The immediate question is obviously: what are wage laws doing or likely to do to construction? No reason exists to assume that any considerable effect can be experienced ultimately. Construction obeys ordinarily too persistent a call to be hindered greatly by wage laws. It will adjust itself to the vagaries, obscurities, impracticabilities and general muddiness of business thinking reflected in these laws, and it will go ahead with a little more grinding of gears and friction of motion than before—but nevertheless it will go ahead. At least this has been the experience in states that have had wage laws for a half dozen to a score years. Not strictly workable in these states, as indeed they can never be, they are made workable by human adjustments of interpretation and enforcement.

"The momentary effect is of course to delay work and add difficulties to its inauguration at a time when economic and human need calls for fast and frictionless activity.

"Construction should not require wage regulation by legislative and executive action. Wage laws, like lien laws and accident-prevention laws, have a reason only because construction has not shown its capacity to organize for self-discipline; because it falls of adequate appreciation of its public obligations. Contracting has shown more activity in reforming its practices than have most other groups and it is evidencing a more generous disposition to give and take than have most other groups. The recent wage law activities are clear indication of the hard task remaining and of the need of greater unanimity of effort."

HEATING UNIT SALES AGREEMENT REPORTED CLOSED

A joint merchandising arrangement has been reached between Silent Automatic Corporation and the Detroit-Michigan Stove Company. It was announced today by Walter F. Tant, president of Silent Automatic, following a final conference with William T. Barbour, president, and John A. Fry, vice-president of Detroit-Michigan Stove Company.

The arrangement calls for the merchandising by Detroit-Michigan Stove of a complete warm air heating unit consisting of a specially designed warm air furnace and a standard Silent Automatic Burner.

It is pointed out by officials of the two companies that this trade arrangement is of particular importance to the heating industry and to the consumer for the reason that the combined unit offers a maximum efficiency which has never been available when the furnace and burner were separately installed.

An intensive sales program has been perfected by the Detroit-Michigan Stove Company and it is believed by officials that the moderate price of the new unit will result in a substantial volume of immediate sales with attendant increases in production at both plants.

This arrangement brings together the two leaders in their respective industries, Silent Automatic being the largest manufacturer of domestic oil burners and Detroit-Michigan Stove Company the largest makers of stoves and furnaces.

P. G. & E. TO TEST LAW REQUIRING FEE

Steps to test the constitutionality of the law requiring the payment of a fee based on capital stock in extending the franchise of a corporation have been taken by the Pacific Gas and Electric Company in tendering a nominal fee of \$5 to Secretary of State Frank C. Jordan.

The electric company presented papers to extend the life of the corporation fifty years but Jordan refused to accept the papers unless the company paid the required fee of \$40,000, figured at the rate of \$100 for every million dollars of the \$400,000,000 capitalization.

A suit by the Pacific Gas and Electric Company against Jordan to recover a \$25,000 filing fee is pending in the supreme court.

SAN BERNARDINO WITHDRAWS FROM WATER DISTRICT

On a 25 per cent vote the City of San Bernardino decided 3052 to 972 to withdraw from the Metropolitan Water District of Southern California, formed to build the Colorado river aqueduct, and refused 2896 to 1048 to enter into a contract to take power from the Hoover dam.

Formal application to join the district has been made by the cities of Alhambra, Pomona, Newport Beach, Elsinore and El Segundo. Eight other cities are considering joining the district to share in the Colorado river water which will be brought to Southern California.

No action will be taken on pending applications to enter in the district until after the election on September 23 to vote on issuance of \$220,000,000 bonds to construct the aqueduct.

Uniform Legislation Is Aim of Peninsula Plumbers' Association

A movement to bring about more efficient installation and inspection of gas appliances in San Mateo and Santa Clara counties, the first step of which was taken in the introduction of an ordinance at last Monday night's meeting of the Burlingame city council, is being sponsored by members of the Peninsula Merchant Plumbers' Association and the Peninsula Plumbing Inspectors' Association.

At a recent meeting attended by plumbers and plumbing inspectors of fifteen different cities, towns and districts in the two counties it was decided to attempt the enactment in the various cities of uniform ordinances covering gas appliance installation and inspection. After this has been accomplished it is planned to ask the county boards of the respective counties to pass similar ordinances affecting unincorporated areas.

"The Peninsula Merchant Plumbers' Association have realized for some time that the low cost of natural gas would bring about the sale and installation of many new gas appliances, only some of which would be passed favorably by the American Gas Association," said J. F. Lindstrom, secretary of the Burlingame Association.

"We feared that with keen competition in making sales many unsafe installations would be made due to the lack of adequate inspection. In the past this has cost lives and property of our citizens. We hope that with uniform legislation we may put this new business on a higher plane and at the same time render a real service to the people of the two counties."

KERNERATOR TAKES ON NEW PRODUCTS

The Kernerator sales and service organization of the Kerner Incinerator Company of Milwaukee has taken over the national distribution of the Andalco Lightproof curtain and the Bennett Fireplace units, it is announced by Mackey Wells, president of the Kerner Company.

Andalco Light-proof shades are installed in lecture and class rooms, auditoriums, laboratories, X-ray and dark rooms, surgical clinics, operating rooms and similar places where absolute darkness is necessary. The shades are operated by electricity controlled from a single switch, or may be operated by hand in smaller installations.

The Bennett Fireplace Units convert the ordinary fireplace from an ornament to a useful heating and ventilating device, delivering unbelievable quantities of fresh, outdoor air at temperatures ranging from 180 to 360 degrees, regardless of the outdoor temperatures.

The Kerner Incinerator Company is the maker of the Kernerator flue-fed, basement-fed and Estate type of incinerators for homes, apartments, stores, factories, and country estates. This company also manufactures the Kernit and Kleenburn portable, gas-fired incinerators, and the Kleenup-Boy non-fuel burning portable. Quite recently, the Kerner Company has also begun the manufacture and marketing of the Sta-Lit automatic gas range lighter.

Other affiliated companies are the Kerner Automatic Hoist Company of Milwaukee, makers of automatic hoists for contractors' materials, and the Morse-Boulger Destructor Company of New York, builders of heavy-duty garbage and rubbish destructors.

FALSE ECONOMY IN BUILDING

"Recently the armory in the city of Buffalo, New York, was destroyed at a loss of \$7,000,000, which must be paid by the taxpayers," says the Journal of Commerce.

"Buildings of this nature, because of their massive stone walls, are not usually considered by the public to be particularly dangerous fire hazards. But combustible roofing, lack of fire stops and great open spaces through which fire can run almost unretarded, made the Buffalo armory, like many others, a conflagration breeder.

"The Buffalo building was not safeguarded by insurance. The city was a self-insurer. Special legislation will be necessary for rebuilding and as a result the units which used the armory may suffer in efficiency and rank. And, as the final straw, the taxpayer will have to dig up the cost of a new structure.

"Thus the Buffalo fire produces two lessons, each of great interest to all towns and cities. The first is that public buildings should be rigorously planned and inspected in order to make them as fire-resistive as possible. The other is that self-insurance is all right when one is lucky—but when fire comes, it proves to be false economy of the most expensive sort. The interest on public funds required for rebuilding much more than offset the annual cost of insurance of the property involved."

NO CUT IN PUBLIC WORKS SAYS HURLEY

While drastic reductions will be made in the federal budget to be presented to Congress December 7 next, the cuts will not apply to public works.

A formal statement to that effect has been made by Secretary of War Hurley in which he pointed out that the administration is pledged to provide water transportation for farmers at the earliest possible time. It is also pledged to provide maximum safety against overflow to the lower Mississippi Valley.

For those reasons, as well as for the reason of providing employment, Secretary Hurley expects that there may even be an increase during the next fiscal year of the amounts made available for river and harbor work.

LUMBER CREDITS CHECKED WITH CARE

With claims placed with it for collection exceeding by 40 per cent in number and averaging 10 per cent more per claim in amount than at this time last year, the Blue Book of the National Lumber Manufacturers Credit Corporation reported for the August issue of "The Lumber Market" that credits are obviously being checked with increasing care. This condition is further indicated by an 11 per cent increase in requests for special credit reports over July a year ago. Collections are much more difficult than last year.

Other business difficulties, however, show no appreciable change, except in the number of receiverships actually effected, reported as 10 for the past month as against 4 for the month last year. Bankruptcies were less by 2; being 15 against 17 a year ago. Composition settlements were 1 against 2; creditors' committees appointed rose 1, being 5 against 4; tensions were 2, the same as last year. Five assignments were reported for the month in 1931.

Building News Section

APARTMENTS

Structural Steel Contract Awarded.
APARTMENTS Cost, \$40,000
SAN FRANCISCO. NE Webster and Beach Streets.

Three-story and basement frame and stucco apts. (six 3-room and six 4-room apts.)

Owner and Builder—Viggo Rasmussen, 1900 Jefferson Street.

Architect—R. R. Irvine, Call Bldg.

Electric refrigeration, oak floors, special sound deadening in floors, tile baths and showers, canvas walls, steam heat (oil gas burner) glazed tile floor in lobby.

Structural Steel—Golden Gate Iron Works, 1541 Howard St.

Sub-bids are being taken on other portions of the work.

Taking Preliminary Estimates.

APARTMENTS Cost, \$100,000
OAKLAND, Alameda Co., Cal. 12th and Castro Sts.

Six-story steel frame and brick apartment building (18 2-room apts.); (steam heat, electric refrigeration, elevator, tile baths, etc.)

Owner—Withheld.

Architect—Willis Lowe, 354 Hobart St., Oakland.

Sub-Bids Being Taken.

APARTMENTS Cost, \$40,000
SAN FRANCISCO. E Fillmore St. S Jefferson Street.

Three-story and basement frame and stucco apartments (12 3-rm. apts.)

Owner and Builder—M. P. Storheim, 475 Euclid Ave.

Architect—R. R. Irvine, Call Bldg.

Composition roof, steam heating system, gas fire boiler, etc.

Construction has been started.

Contract Awarded.

APARTMENTS Cost, \$30,000
SAN FRANCISCO. Buchanan and Waller Streets.

Three-story and basement frame and stucco apartments (4 3-room and one 7-room apt.; tile roof, gas and steam heating system, etc.)

Owner—C. McGowan, % Architect.

Architect—Chas. Strothoff, 2274 15th St., San Francisco.

Contractor—H. Meinberger, 343 4th St., San Francisco.

Plans Being Figured.
ALTERATIONS Cost, \$8,000
BERKELEY, Alameda Co., Cal. Ashby Avenue.

After two-story frame and stucco rooming house for apartments (5 two-room apts.) (gas heating, plumbing, wall beds, etc.)

Owner—Mr. Grigsby.

Architect—Hardman & Russ, Berkeley Bank Bldg., Berkeley.

Plans are being figured by one contractor only.

Plans Being Figured.
APARTMENTS Cost, \$32,000
SACRAMENTO, Sacramento Co., Cal. Thirty-seventh and J Streets.

Two-story and basement frame and stucco apartments (12 2- and 3-rm. apts.); composition shingle roof, air cooling system, tile baths and kitchens.

Owner—S. Lindroth, 37th and R Sts., Sacramento.

Architect—Jens C. Petersen, 812 26th St., Sacramento.

Sub-Contracts Awarded.

APARTMENTS Cost, \$40,000
SAN FRANCISCO. N Cabrillo St. 30 W 31st Avenue.

Three-story and basement frame and stucco apartments (12 4-rm. apts.)

Owner and Contractor—Byron Feerick, 891 39th Avenue.

Architect—Irvine & Ebbetts, Call Bldg.

Steel girders, elevator, tile kitchens, baths and showers, glass shower doors.

Electric—Atlas Electric Co., 343 4th Street.

Steel Sash—Soule Steel Co., 1750 Army Street.

Ornamental Steel—Geo. Campbell Co., 3443 17th Street.

Brick—Martin Muller, 222 23rd Ave.

As previously reported concrete contract awarded to P. Donnelly, 302 23rd Ave.; steel to Golden Gate Iron Works 1541 Howard St.; steel bars to W. S. Wettenhall, 17th and Wisconsin Sts.; lumber to Christensen Lumber Co., 5th and Hooper Sts.; grading to Pionbro Bros., 124 Parker Ave. Sub-bids are being taken on other portions of the work.

BONDS

DUNNIGAN, Yolo Co., Cal.—North Grafton School District defeats proposal to issue bonds of \$9,000 to finance erection of a one-story school, preliminary plans for which were prepared by Architect Chas. Dean, California State Life Bldg., Sacramento.

CHURCHES

Plans Being Figured—Bids Close Aug. 18, 7 P. M.

LIBRARY Cost, \$11,000
NEW MONTEREY, Monterey Co., Cal. One-story frame and stucco library (tile roof; Spanish tile; 90x36-ft.; 2500 sq. floor space).

Owner—City of New Monterey.
 Architect—Swartz & Ryland, Spazier Bldg., Monterey.

Contract Awarded.
CHURCH Cost, \$23,000
WALNUT GROVE, Sacramento Co., Cal.

Two-story frame and brick veneer church (to seat 300; tile roof, hot air heating system).

Owner—St. Anthony's Parish, Walnut Grove.

SKILSAW Portable Electric Hand Saws (4 models).

SKILSAW Portable Electric Sander

SKILSAW Radial Arm Attachments.

SYNTRON Portable Electric Hammers (4 models, motorless).

MALL Flexible Shaft Machines (50 models).

Electric Drills, Grinders, Buffers, Routers, Lock Mortisers.

PETER H. NELSON

Labor Saving Portable Electric Tools.

1248 Mission St. Underhill
 San Francisco 7662
 SALES & SERVICE & RETAILS

Architect—Harry J. Devine, Callifornia State Life Bldg., Sacramento.

Contractor—Gene Kenyon, North Sacramento.

Planned.
REBUILD CHURCH Cost, \$—
TRACY, San Joaquin Co., Cal. Eaton and Parker Streets.
 Rebuild church (frame and stucco construction).

Owner—Methodist Episcopal Church, Tracy.

Architect—Not Selected.
 Present building will be partially razed and the lumber and materials will be used in reconstruction work. Members of the building committee include J. W. Stocking, A. L. Swarthout, Dr. J. F. Doughty, Mrs. J. F. Doughty, Frank Fine, Dr. R. L. Rudkin, Mrs. F. L. Jackson, Mrs. C. E. Peterson and Russel A. Baumgardner.

Bids Opened.
CHURCH Cost, \$—
CHICO, Butte Co., Cal.
 Two-story brick church building.
 Owner—Bidwell Memorial Church
 Architect—Chas. F. Dean, California State Life Bldg., Sacramento.

General Contract
 A. Frederick Anderson, 203 Olive Street, Chico, \$39,855. Alternate (1) deduct \$25; (2) ded. \$150; (3) ded. \$50; (4) add \$350.

Wm. J. Shalz, Chico, \$40,500; (1) no bid; (2) \$65; (3) \$42; (4) \$396.

Fred H. Betz, Sacramento, \$40,980; (1) no bid; (2) \$65; (3) \$42; (4) \$420.

C. J. Hopkinson, Sacramento, \$44,093; (1) \$328; (2) \$255; (3) \$52; (4) \$399.

L. Van Vlack, Chico, (1) \$46,870. No alternate bids submitted.

Two low bids on general contract taken under advisement. Bids on heating will be published in an early issue of Daily Pacific Builder.

FACTORIES AND WAREHOUSES

Construction Under Way.
PACKING PLANT Cost, \$—
COLUMA, Colusa Co., Cal.

One-story frame prune packing plant.

Owner—W. D. De Jarnatt, Colusa.

Architect—Not Given.

Work is being handled by the owner.

Plans To Be Prepared.
PACKING PLANT Cost, \$75,000
SAN JOSE, Santa Clara Co., Cal.

Meat packing plant.

Owner—San Jose Meat Co. (Adrian Lassere, owner), Berryessa Road, San Jose.

Architect—Not Selected.

Plant of this company was destroyed by fire and after completion of insurance adjustment, an architect will be selected to proceed with plans for the new structure.

Glass Contract Awarded.
ADDITION Cost, \$20,000
SAN FRANCISCO. 383 Brannan St.

Two-story steel frame and brick addition to warehouse.

Owner—San Francisco Warehouse, 625 Third Street.

Engineer—Ellison & Russell, Pacific Bldg.

Contractor—Barrett & Hlip, 918 Harrison Street.

Class—W. P. Fuller Co., 301 Mission Street.

Plans Being Figured—Bids Close Aug. 17, 2 P. M.
ROUND HOUSE, ETC. Cost, \$25,000
 KEDDIE, Plumas Co., Cal.
 Round house, of house and sand house (corrugated iron exterior, timber frame, structural steel machine house).

Owner—Western Pacific Railroad Co., Mills Bldg., San Francisco.

Plans by Eng. Dept. of Owner.

James L. McLaughlin Co., 251 Kearny St., San Francisco, general contractors, desire sub-bids on all portions of the work in connection with the above.

Sub-Contracts Awarded.

PLAINT Cost, \$13,000
YUBA CITY, Sutter Co., Cal.

One-story frame and corrugated iron packing plant, 182x75-ft.

Owner—Feather River Prune & Apricot Growers' Assn., Yuba City.

Private plans.

Contractor—Campbell Const. Co., Sacramento.

Form Wire, Reinforcing Bars—Soule Steel Co., 1750 Army St., San Francisco.

Cement—Calaveras Cement Co., 315 Montgomery St., San Francisco.

Concrete Mix & Sand Fill—Hemstreet & Bell, Marysville.

Miscellaneous Iron—Palm Iron Works, 15th and S Sts., Sacramento.

Roofing—Allyn L. Burr Roofing Co., R and 11th Sts., Sacramento.

Lumber—Diamond Match Co., Yuba City.

FLATS

Plans Being Prepared.

FLATS Cost, \$13,000
SAN FRANCISCO, Twentieth Avenue and Geary Street.

Two-story and basement frame and stucco flats (6 and 7 rooms); tile roof, gas and steam heating system, electric refrigeration.

Owner—Withfield.

Architect—Upton & Ralph, 110 Sutter St., San Francisco.

Plans will be ready for bids in one week.

Contract Awarded.

FLAT AND STORE Cost, \$7500
SAN FRANCISCO, W Mission St. 60 S Niagara St.

Two-story frame and stucco flat and store (5-room flat; tar and gravel roof).

Owner—R. Arancio, 4550 Mission St.

Architect—J. A. Porporato, 619 Washington Street.

Contractor—C. Lindberg, 1 Naylor St.

GARAGES AND SERVICE STATIONS

Contract Awarded.

GARAGE Cost, \$12,500
OAKLAND, Alameda Co., Calif. SE 19th St. 100 W Park Blvd.

One-story brick and tile garage.

Owner—J. A. Kennedy and R. Salisbury, 1201 Oakland Bank Building, Oakland.

Architect—Not Given.

Contractor—George I. Williams, 5342 Broadway, Oakland.

Additional Sub-Contracts Awarded.

GARAGE Cost, \$7500
SAN FRANCISCO, 1349 Clayton St.

One-story class B concrete private garage (12 garages).

Owner—E. Rolkin, Argonaut Hotel.

Engineer—N. B. Green, 55 New Montgomery Street.

Contractor—F. R. Siegrist, 604 Mission Street.

Plumbing—J. J. McLeod, 1246 Golden Gate Avenue.

Electric—Seabech Electric Co., 1021 Guerrero Street.

As previously reported, reinforcing steel awarded to W. C. Hauck & Co., 280 San Bruno Ave.; excavation to Grandfield, Farrar & Carlin, 67 Hoff St.

GOVERNMENT WORK AND SUPPLIES

BOULDER CITY, Nev.—B. O. Siegfus, Salt Lake City, submitted low bid of \$46,256 to U. S. Bureau of Reclamation at Las Vegas for excavation for basements and foundations of the municipal building and construction of the municipal, administration and dormitory buildings at Boulder City, Nev., Boulder Canyon Project. Siegfus' bid on Schedule No. 1 was \$17,824, on schedule No. 2 \$17,413, and on schedule No. 3 \$11,016. There were twelve bids submitted for the work. The municipal building will be one-story, with basement, approximately 40x107 feet in size, with an L 42x32 ft. in size. The administration building will be two stories, about 54x133 ft. in size, with full basement. The dormitory building will be a one-story, U-shaped structure, with a developed length of 225 feet and a width of 35 feet. The walls will be of common brick, stuccoed on the outside, and roof will be clay tile. Plumbing and heating systems will be included in the general contract. A portion of the materials will be furnished by the government.

WALLA WALLA, Wash.—Following is a partial list of prospective bidders on the proposed subsistence building to be erected in connection with the U. S. Veterans' Hospital at Walla Walla, bids for which will be opened by the U. S. Veterans' Bureau, Arlington Bldg., Washington, D. C., on August 25:

Smith-Donegan Co., 2401 St. Marks Ave., Brooklyn.

Vitor Mfg. Co., Milwaukee.

Rav A. Phelps, Beloit, Wis.

National Carbonic Machine Co., 815 Larrabee St., Chicago.

Frick Co., Shoreham Bldg., Washington.

Pacific States Constr. Co., 215 Lloyd Bldg., Seattle.

G. G. Morin, 926 Paulsen Bldg., Spokane.

NOTE—Sub-bids in connection with this work are desired by N. J. McLeod, P. O. Box 94, Walla Walla, Wash.

Plans Being Figured—Bids Close Sept. 15, 2:30 P. M.

ELECTRIC WORK, ETC. Cost, \$—
TUCSON, Arizona.

Extensions and additions to Nurses' Call System and to Radio and Lighting Circuits at Veterans' Hospital.

Owner—United States Government.

Plans by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto.

Bids are being received by the Supervising Superintendent of Construction at Palo Alto, from whom plans may be obtained. The work will consist of furnishing all labor and materials necessary for the installation of extensions to the nurses' call system and to radio and lighting circuits, including all cutting and patching required.

YAKIMA, Wash.—Until Sept. 11, 2 P. M., under Spec. No. 526, bids will be received by U. S. Bureau of Reclamation, Denver, Colo., to furnish and deliver f.o.b. cars at factory shipping point, complete, one 4,200-hp. vertical hydraulic turbine with governor and governor pump; one 3,000 kv-a. alternating-current generator com-

plete with direct connected exciter and thrust bearing; one 3,000 kv-a. three-phase, 2,300 to 39,500/69,000 v.-volt transformer; three 500 kv-a. single-phase, 66,000 to 2,400-volt transformers; three or six 69,000 volt disconnecting switches; one or two 69,000 volt lighting arresters; two 69,000 volt air break switches; one pumping plant switchboard; one power plant switchboard and auxiliary apparatus; six 69,000-volt expulsion fuses; one horizontal centrifugal pump, having a capacity of 18 second-feet when operating under a total effective head of 152 feet, arranged for direct connection to two 250-hp. motors (these motors are not required to be furnished hereunder); and 2 centrifugal pumping units, complete with pumps, motors and controls, each having a capacity of 12 second-feet when operating under a total effective head of 200 feet; for the Fresser power plant and the Kennewick Highlands pumping plant, Yakima project, Washington. All apparatus will be installed by the Government. For further particulars, address the Bureau of Reclamation, Yakima, Wash.; Denver, Colorado, or Washington, D. C.

Plans Being Figured—Bids Close Sept. 11, 3 P. M.

STATION \$58,500 available
METALINE FALLS, Washington.

United States Inspection Station.

Owner—United States Government.

Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Plans obtainable from above office on deposit of \$15, returnable.

Contracts Awarded.

REMODELING Cont. price, \$13,600
LIVERMORE, Alameda Co., Cal.

Remodel messroom and kitchen, build debris porch.

Owner—United States Government.

Bureau, Washington, D. C.)

Plans by Construction Supervisor, U. S. Veterans' Hospital, Palo Alto.

Contractor—Niles W. Place, 310 Fairmount Ave., Oakland.

Refrigeration—Kohlenberger Eng. Co., Fullerton, \$6657.

Plans Being Figured—Bids Close Aug. 31, 2 P. M.

REPAIRS Cost, \$—
SAN FRANCISCO, Angel Island.

Repairs and painting to wharf at U. S. Quarantine Station at Angel Island.

Owner—United States Government.

Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Bids for this work will be received by the District Engineer, Supervising Architect's Office, 402 Postoffice Bldg., San Francisco, from whom plans may be obtained.

Plans Completed.

POST OFFICE Cost, \$695,000
STOCKTON, San Joaquin Co., Cal.

Class A post office.

Owner—United States Government.

Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.

Consulting Architect—Howard G. Bisell, 421 S-Miner St., Stockton.

Plans have been forwarded to Washington for approval.

Contract Awarded.

OFFICES Cost, \$1,294,000
SEATTLE, Washington.

Superstructure, except elevators, for Federal office building.

Owner—United States Government.

Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Contractor—Murch Bros. Co., 611 Olive St., St. Louis, Mo.

As previously reported, elevator contract awarded to Otis Elevator Co., Washington, D. C., \$120,729.

WASHINGTON, D. C. — Bids are being received by the Bureau of Supplies and Accounts, Navy Dept., Washington, D. C., to furnish materials and equipment to Pacific Coast navy yards and stations, as follows, further information on the schedules listed being obtainable from the Navy Purchasing Office, 100 Harrison St., San Francisco.

Bids Open August 25

Hampton Roads or San Francisco, 1 motor driven watchmakers lathe, sch. 6309.

Mare Island, approx. 250,000 ft. timber; sch. 6304.

Piguet Sound, 1 pump governors and spares; sch. 6295.

Western yards, machine and wood saws; sch. 6293.

Hampton Roads or San Francisco, 1 motor driven precision bench lathe, mounted on cabinet; sch. 6301.

Mare Island, 25,300 ft. steel wire rope, sch. 6302.

Mare Island, 12 air or steam valves, pressure reducing; sch. 6315.

Mare Island, 23,000 lbs. brass pipe and 4000 lbs. copper tubing; sch. 6320.

San Diego, 1 motor driven hand planer and pointer; sch. 6323.

Hawthorne, Nev., 1 motor driven portable cylinder retractor and grinder machine; sch. 6324.

RICHMOND, Contra Costa Co., Cal. — Until September 11, 3 P. M., bids will be received by U. S. Engineer Office, Customhouse, San Francisco, for dredging in Richmond Harbor. Project involves 855,680 cubic yards. Specifications obtainable from above office.

SAN FRANCISCO. — Union Lumber Co., Crocker Bldg., at \$171 awarded contract for railroad ties, and Bode Gravel Co., 235 Alabama St., at \$2.00 per ton, awarded contract for crushed rock by Constructing Quartermaster, Port Mason, involving 50 tons of No. 3 crushed rock from 3/4-in. to 1- and 1/2-in. for railroad ballast and 150 standard railroad ties, redwood, size 7x8-in. by 8-ft., sawed.

FORT LEWIS, Wash. — City Improvement Co., 2055 Center St., Berkeley, at \$11,989 submitted lowest bid to Signal Office, Headquarters, Ninth Corps Area, Presidio, San Francisco, for construction of complete underground and aerial telephone cable distribution system and installation of one 400-prs. 22-gauge underground and aerial cable, with laterals and terminals at Fort Lewis.

Following is a complete list of bids: City Imp. Co., Berkeley, \$11,989 Lindgren & Swinerton, Inc.,

San Francisco, 12,345 E. M. Gilleran, San Francisco, 12,642 H. C. Moss, Seattle, Wash., 13,448 M. C. Murphy, Cleveland, Ohio, 13,500 O. G. Ritchie, San Jose, 13,640 NePage-McKenny, Oakland, 13,770 Tickingers Bros., Salt Lake City 14,400 Bids held under advisement.

Contract Awarded. STEEL FRAME Cont. price, \$18,696 VALLEJO, Solano Co., Cal. Mare Island Navy Yard.

Providing and securing a steel building frame to be erected within the existing brick walls (Buildings 36, 40, 42 and 48 for pipe and copper shop).

Owner—U. S. Government (Specification No. 6229).

Plans by Public Works Officer, Mare Island Navy Yard.

Contractor—Golden Gate Iron Works, 1541 Howard St., San Francisco.

Plans Being Figured—Bids Close Sept. 23, 11 A. M.

HANGAR Cost, \$—SUNNYVALE, Santa Clara Co., Cal. Dirigible hangar, 1138 ft. long, 310 ft.

wide, 198 ft. high, steel trusses on concrete base (Spec. No. 6331).

Owner—United States Government. Plans by Bureau of Yards and Docks, Navy Dept., Washington, D. C.

The hangar will be a steel frame structure. The cost of the building, including foundations, gradings and a short railroad connection, is estimated at between \$1,500,000 and \$1,750,000. Other units to be erected at the base later, include an administration building, aerological station, gas cell, storage and repair depot, warehouses, refrigeration building, commissary, mess hall, cafeteria, laundry, garage, fire station, incinerator plant, recreation building and residences and barracks for 500 officers and enlisted men. The cost of the entire project will total about \$5,000,000.

Bids are being received by the Bureau of Yards and Docks, Navy Dept., Washington, D. C. A deposit of \$75 is required for plans on the hangar and \$10 for the grading and foundation plans, both returnable, checks for same to be made payable to the Chief of the Bureau of Yards and Docks. The plans are obtainable from the office of the Twelfth Naval District, 100 Harrison St., San Francisco.

Prospective Bidders.

HANGAR Cost, \$—SUNNYVALE, Santa Clara Co., Cal. Dirigible hangar, 1138 ft. long, 310 ft. wide, 198 ft. high, steel trusses on concrete base (Spec. No. 6331). Owner—United States Government. Plans by Bureau of Yards and Docks, Navy Dept., Washington, D. C.

The hangar will be a steel frame structure. The cost of the building, including foundations, grading and a short railroad connection, is estimated at between \$1,500,000 and \$1,750,000. Other units, to be erected at the base later, include an administration building, aerological station, gas cell, storage and repair depot, warehouses, refrigeration building, commissary, mess hall, cafeteria, laundry, garage, fire station, incinerator plant, recreation building and residences and barracks for 500 officers and enlisted men. The cost of the entire project will total about \$5,000,000.

Prospective Bidders For Hangar Healy-Tibbitts Const. Co., 64 Pine St., San Francisco.

MacDonald & Kahn, Financial Center Bldg., San Francisco.

H. B. Post, 1330 Webster St., Palo Alto.

National Concrete & Engineering Co. K. E. Parker, 135 South Park, San Francisco.

Clinton Const. Co., 923 Folsom St., San Francisco.

Herrick Iron Works, 18th and Campbell Sts., Oakland.

Minneapolis Steel & Machinery Co., Sharon Bldg., San Francisco.

H. M. Baruch, 742 S Hill Street, Los Angeles.

Frederickson & Watson, 354 Hobart St., Oakland.

D. Zelinsky, 165 Grove St., San Francisco.

Dyer Bros., 17th and Kansas Sts., San Francisco.

Lindgren & Swinerton Inc., 225 Bush St., San Francisco.

Kaiser Paving Co., 18th and Carolina Sts., San Francisco.

Rowsey & Boyd, Los Angeles.

Severin Electric Co., 172 Clara St., San Francisco.

R. W. Littlefield, 337 17th St., Oakland.

Dinwiddie Const. Co., Crocker Bldg., San Francisco.

Campbell Bldg. Co., Salt Lake City.

Robert McKee, 515 Hewett St., Los Angeles.

Sullivan & Sullivan, 3927 39th Ave., Oakland.

Larsen & Larsen, 629 Bryant St., San Francisco.

Columbia Steel Co., Russ Bldg., San Francisco.

Judson Pacific Co., 609 Mission St., San Francisco.

Truscon Steel Co., Call Bldg., San Francisco.

Consolidated Steel Co., 273 7th St., San Francisco.

Barrett & Hilp, 918 Harrison Street, San Francisco.

Moore Drydock Co., Balfour Bldg., San Francisco.

Schuler & MacDonald, 1723 Webster St., Oakland.

Newberry Electric Co., 728 S Olive St., Los Angeles.

Orndorff Const. Co., 437 S Hill St., Los Angeles.

Alta Electric Co., 938 Howard St., San Francisco.

In addition to the above the following have been furnished plans by the Bureau of Yards and Docks of the Navy Department at Washington, D. C.:

American Bridge Co., Pittsburgh.

Crane Co., Washington.

McClintic-Marshall Co., Bethlehem, Pa.

Newport Contracting and Engineering Co., Lee Hall, Va.

Prospective Bidders For Grading and Foundation Work

Healy-Tibbitts Const. Co., 64 Pine St., San Francisco.

MacDonald & Kahn, Financial Center Bldg., San Francisco.

H. B. Post, 1330 Webster St., Palo Alto.

National Concrete & Engineering Co. K. E. Parker, 135 South Park, San Francisco.

M. B. McGowan, 74 New Montgomery St., San Francisco.

K. E. Parker, 135 South Park, San Francisco.

Frederickson & Watson, 354 Hobart St., Oakland.

O'Neill & Legge.

Granfield, Farrar and Carlin, 67 Hoff St., San Francisco.

H. C. Vensano, 58 Sutter St., San Francisco.

A. W. Kitchen, 110 Market St., San Francisco.

Concrete Engineering Co., Inc., 1280 Indiana St., San Francisco.

Dinwiddie Const. Co., Crocker Bldg., San Francisco.

Fay Improvement Co., Phelan Bldg., San Francisco.

H. M. Baruch, 742 S Hill Street, Los Angeles.

Kaiser Paving Co., 18th and Carolina Sts., San Francisco.

Rowsey & Boyd, Los Angeles.

Barrett & Hilp, 918 Harrison Street, San Francisco.

R. W. Littlefield, 337 17th St., Oakland.

H. Rosenberg, 1755 San Bruno Ave., San Francisco.

Campbell Bldg. Co., Salt Lake City.

Sullivan & Sullivan, 3927 39th Ave., Oakland.

Bannister-Beale Co., 4101 Goodwin, Glendale.

United Commercial Co., 234 Steuart St., San Francisco.

Lindgren & Swinerton Inc., 225 Bush St., San Francisco.

C. Dudley DeVellis, 369 Pine St., San Francisco.

Hutchinson Co., 4030 Hollis Street, Oakland.

Mittry Bros., 412 W 6th St., Los Angeles.

Robert McKee, 515 Hewett St., Los Angeles.

Schuler & MacDonald, 1723 Webster St., Oakland.

Clinton Const. Co., 923 Folsom St., San Francisco.

San Jose Tractor & Implement Co., 763 The Alameda, San Jose.

Larsen & Larsen, 629 Bryant St., San Francisco.

J. E. Hamilton, 5144 Geary St., San Francisco

In addition to the above the following have been furnished plans by the Bureau of Yards and Docks of the Navy Department at Washington, D. C.

Bethlehem Steel Co., Bethlehem, Pa. Frederick Snee Corp., 114 Liberty St., New York City.

Newport Contracting and Engineering Co., Lee Hall, Va.

Bids are being received by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., until Sept. 23, 11 A. M. A deposit of \$75 is required for plans on the hangar and \$10 for the grading and foundation plans, both returnable, checks for same to be made payable to the Chief of the Bureau of Yards and Docks. The plans are obtained from the office of the Twelfth Naval District, 100 Harrison St., San Francisco.

SAN FRANCISCO—Until Aug. 25, 11 A. M., bids will be received by Constructing Quartermaster, Fort Mason, to furnish and install window shades in 18 double sets of non-commissioned officers quarters at the Presidio of San Francisco. Specifications and further information obtainable from the above office.

RIO VISTA, Solano Co., Cal.—Until August 18, 3 P. M., under Order No. 3641-1848, CLR, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to furnish and deliver f.o.b. Rio Vista, 350 cubic yards untreated rock for road surfacing. Specifications and further information obtainable from above office.

Plans Being Figured—Bids Close Aug. 26, 11 A. M.

OFFICE BLDG. Cost, \$—
SUNNYVALE, Santa Clara Co., Cal. One-story frame and stucco office building (in connection with Dir-igible Base) Spec. No. 6492.

Owner—United States Government.

Plans by Bureau of Yards and Docks, Navy Dept., Washington, D. C.

Plans obtainable from the Public Works Office, Twelfth Naval District, 100 Harrison St., San Francisco.

Site Selected—Plans Being Prepared.
POSTOFFICE Cost, \$185,000
VALLEJO, Solano Co., Cal. SW Corner Carolina and Marin Sts.

Class A postoffice.

Owner—United States Government.
Plans by Supervising Architect's Office, Treasury Dept., Washington, D. C.

HALLS AND SOCIETY BUILDINGS

To Ask Bids in One Week.

FURNISHINGS Cost, \$—
HAYWARD, Alameda Co., Cal. Furnishings for Veterans' Memorial. Owner—County of Alameda, George Gross, County Clerk.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

Plans Being Revised.

ADDITION Cost, \$30,000
BERKELEY, Alameda Co., Cal. 2001 Allston Way.

Two- or story and basement frame and brick addition for gymnasium.
Owner—Y. M. C. A., 2001 Allston Way, Berkeley.

Architect—W. H. Ratcliff, Chamber of Commerce Bldg., Berkeley.

Plans have been returned from the east and will be slightly revised. Bids will be called for in about two weeks.

HOSPITALS

Bids Opened for Granite Work, Brick Work, Tile Partitions and Furnishing and Setting of Terra Cotta Cornice, Etc.

HEALTH CENTER Cost, \$—
SAN FRANCISCO. Polk and Grove Streets.

Four-story and basement reinforced concrete class A health center, emergency hospital and office bldg.

Owner—City and County of San Francisco.
Architect—S. Helman, 57 Post Street.
Structural Engineers—Ellison & Russell, Pacific Bldg.

Granite Work

McGillivray - Raymond Corp., 3 Potrero Ave., San Francisco, (1) \$124,735; (2) \$39,385.

Brick Work, Tile Partitions, Etc.

Larsen & Larsen, 629 Bryant St., San Francisco.....(1) \$72,000

Hock & Hoffmeyer.....(2) 58,000

Drake & Collins.....(1) 72,985

White & Gloor.....(1) 73,730

Wm. A. Rainey & Son, Inc.....(1) 74,850

Emil Hogberg.....(2) 60,000

.....(1) 75,490

.....(2) 59,847

.....(2) 63,210

Plans Being Completed.

WARD BLDGS. Cost, \$12,000

MURPHY, Calaveras Co., Calif. Bret Harte Sanitarium.

Two 1-story frame and stucco ward buildings (each to accommodate 20; asbestos shingle roof, electric heating system).

Owner—Bret Harte Sanitarium, Murphy.

Architect—Jos Loksekan, 1218 W Harding St., Stockton.

Bids will be taken in about 2 weeks.

Sub-Contracts Awarded.

COTTAGE Cont. price, \$7999

WEIMAR, Placer Co., Cal.

One-story frame receiving cottage.

Owner—Weimar Joint Sanitarium, W. O. Russell, secretary, Courthouse, Sacramento.

Architect—Harry J. Devine, California State Life Building, Sacramento.

Contractor—Azevedo & Sarmento, 920 O St., Sacramento.

Cement Work—C. R. Fiedler, 2631 30th St., Sacramento.

Tile Work—Fischer Tile Co., 1219 J St., Sacramento.

Lumber—Diamond Match Co., 2826 Q St., Sacramento.

Millwork—Friend & Terry Lumber Co. 2nd and S Sts., Sacramento.

Glass—W. P. Fuller & Co., 1013 12th St., Sacramento.

Roofing—Bush Roofing Co., 1912 K St., Sacramento.

Painting—Willcox & Wilson, 1724 34th St., Sacramento.

Plumbing and Heating—F. A. McIntyre, 2922 35th St., Sacramento.

Electrical—M. F. Canon, 2708 Tenth Ave., Sacramento.

Preliminary Plans Approved.

HOSPITAL UNIT Cost, \$55,000

including movable equipment

FRESNO, Fresno Co., Cal.

Contagious Unit for County Hospital;

one-story brick U-shape with tile roof.

Owner—County of Fresno, D. M. Barnwell, County Clerk.

Architect—Swartz & Ryland, Brix Bldg., Fresno.

Structure will contain five 2-bed wards; 3 3-bed wards and 12 1-bed wards, a total capacity of 31 beds.

Plans Being Figured—Bids Close Aug. 31, 11 A. M.

EQUIPMENT Cost, \$—

SAN JOSE, Santa Clara Co., Calif. Infirmary Road.

Furnish and install kitchen equipment in county hospital.

Owner—County of Santa Clara, H. A. Pfister, county clerk.

Architect—Not Given.

Specifications obtainable from the office of Henry A. Pfister, county clerk at San Jose.

Plans To Be Prepared.

INDIGENT HOME Cost, as noted

SACRAMENTO, Sacramento Co., Cal.

Indigent Home.

Owner—County of Sacramento, Harry Hall, County Clerk.

Architect—Not Yet Selected.

The supervisors propose to provide

\$72,850 in the 1931-32 budget to finance

construction of this structure. H. C.

Muddox, Sacramento capitalist, is reported

to have a proposition to offer to the

county whereby he will finance the

construction of a new indigent home

on the Stockton Boulevard, about 6

miles below Sacramento. Details of

the proposal, however, have not been

made public as yet.

Contract Awarded.

STERILIZERS Cost, \$—

COLUSA, Colusa Co., Cal.

Furnish sterilizers and still for County

Hospital.

Owner—County of Colusa, T. D. Cain,

county clerk.

Architect—O. A. Deichmann, 110 Sutter

St., San Francisco.

Contract awarded to American Surgical

Sales Co., 429 Sutter St., San

Francisco, at \$2,063.

Completing Preliminary Plans.

HOSPITAL Cost, \$75,000

SALINAS, Monterey Co., Cal.

One-story reinforced concrete hospital

(30-bed capacity; steam heating

system, tile roof, telephone call

system, radiators, concrete floors).

Owner—Dr. H. C. Murphy, A and Lincoln

Sts., Salinas.

Architect—Kent and Hass, 525 Market

St., San Francisco.

It is expected to have plans ready

for figures in about six weeks.

Contract Awarded.

COTTAGE Cont. price, \$7999

WEIMAR, Placer Co., Cal.

One-story frame receiving cottage.

Owner—Weimar Joint Sanitarium, W.

C. Russell, secretary, Courthouse,

Sacramento.

Architect—Harry J. Devine, California

State Life Bldg., Sacramento.

Contractor—Azevedo & Sarmento, 920

O St., Sacramento.

Following is a complete list of bids:

Azevedo & Sarmento.....\$7,999

Geo. Kopp, Sacramento.....8,033

Yoho & Dauger, Sacramento.....8,222

M. R. Petersen, Sacramento.....8,419

J. P. Morton.....8,170

H. W. Robertson, Sacramento.....8,663

J. C. Hopkinson, Sacramento.....8,669

Gene Keyon, North Sacramento.....8,953

Chas. Unger, Sacramento.....9,023

Lindgren & Swinerton, Sacto.....9,600

J. Omo.....9,760

Chas. McCloud.....10,370

Contract Awarded.

ADDITION Cont. price, \$5800

OAKLAND, Alameda Co., Calif. 18th

and Poplar Streets.

Addition to detention home.

Owner—County of Alameda.

Architect—H. H. Meyers, Kohl Bldg.,

San Francisco.

Contractor—Chas. Mathews, 2665 Har-

old St., Oakland.

Following is a complete list of bids:

Chas. Mathews, Oakland.....\$5,800

Patterson Bros., Oakland.....5,850

I. J. Kolosky.....7,000

J. J. Burdon & Son.....7,949

Pacific Painting Co.....8,989

H. B. Brown Roofing Co.....10,250

Contracts Awarded.

WARD BLDGS. Cost, \$15,000
AUBURN, Fresno Co., Cal.
 Construct Wards C and D and alterations and additions to Doctor's residence at Fresno County Tubercular Sanatorium.
 Owner—County of Fresno, D. M. Barnwell, county clerk.
 Architect—Chas. E. Butner, Cory Bldg., Fresno.
 Contractor—George Shannon, Fresno, \$9,375.

Electric Work—Robinson Electric Co., 136 N Van Ness Ave., Fresno, \$1,050.
Plumbing—Victor Cox, 2820 Tulare St., Fresno, \$1,999.

Following is a complete list of bids:
General Work

George Shannon, Fresno.....\$ 9,976
 Roy Martin, Fresno.....10,350
 Irwin & Hopkins, Fresno.....10,516
 Jolly & Harrington, Fresno.....10,750
 Geo. Lehman, Fresno.....10,894
 S. C. Ramage, Fresno.....10,932
 W. T. Harris, Fresno.....11,075
 Fisher & McNulty, Fresno.....11,393
 R. Pedersen, Fresno.....11,880

Electric Work
 Robinson Elec. Co., Fresno.....\$1,050
 Electric Const. Co., Fresno.....1,098
 Clovis Lumber Co., Clovis.....1,220

Plumbing
 Victor Cox, Fresno.....\$1,999
 Barrett-Hicks Co., Fresno.....2,125
 Newman & Hudson, Fresno.....2,300

Plans Being Figured—Bids Close Aug. 21, 2 P. M. (Previously Reported to open August 12).

WARD UNIT Cost, \$20,000
FRESNO, Fresno Co., Cal.
 Forty-two-bed tubercular ward unit at county hospital.
 Owner—County of Fresno, D. M. Barnwell, county clerk.
 Architect—W. D. Coates, Rowell Bldg., Fresno.

Bids are wanted for:
 (1) General contract;
 (2) Heating and plumbing.
 Certified check or bidder's bond 10% payable to Chairman of the Board of Supervisors required with bid. Plans obtainable from the architect on deposit of \$15, returnable.

Contracts Awarded.

DETENTION BLDG. Cost, \$—
TEHACHAPI, Kern Co., Cal.
 Two-story reinforced concrete Detention Building at California Institute for Women (floor area of approximately 17,500 sq. ft.)
 Owner—State of California.

Plans by State Department of Public Works, Division of Architecture, Public Works Bldg., Sacramento.
 Geo. B. McDougall, state architect.
 The structure will be two stories in height with reinforced concrete foundations, floors, walls, concrete and tile partitions, wood roof construction and tile and composition roof.

General Work—Anton Johnson, South Pasadena, \$72,490.

Electric—Geo. L. Patterson, 646 Maple St., Los Angeles, \$2,355.

Heating—J. E. Walsh, \$10,964.
Plumbing—Hickman Bros., 910 E Anaheim, Long Beach, \$11,990.

To Take Bids Within Ten Days.

HOSPITAL Cost, \$—
AUBURN, Placer Co., Cal.
 Class A reinforced concrete and steel fireproof hospital (48 beds).
 Owner—County of Placer.
 Architect—W. E. Coffman, Forum Bldg., Sacramento.

Reinforced concrete construction, concrete floor, 2½ inch metal lath plaster partitions, floors covered with linoleum, 20-year composition roof, steel sash, vacuum steam heating plant.

Contract Awarded.

ADDITION Cost, \$150,000
LOS ANGELES, Cal. 610 St. Louis St.
 Two-story class A reinforced concrete hospital addition (64x170; steel sash, steel rolling doors, etc.)
 Owner—Santa Fe Coast Lines Hospital Association.
 Architect—H. L. Gilman, Kerckhoff Bldg., Los Angeles.
 Contractor—Myers Brothers, 3407 San Fernando Road, Los Angeles.

Plans Being Completed.
HOSPITAL Cost, \$65,000
SAN FRANCISCO, Ocean Avenue and Alemany Blvd.
 Two-story Class A reinforced concrete emergency hospital.
 Owner—City and County of San Francisco.

Architect—Bureau of Architecture, Chas. Sawyer, Chief, City Hall.
 Bids will probably be called for within two weeks.

HOTELS

Taking Preliminary Estimates.
HOTEL Cost, \$100,000
OAKLAND, Alameda Co., Cal. San Pablo and Twenty-second St.

Six-story and basement steel frame and brick hotel (60 rooms and baths); steam heating system, elevator, tile baths, etc.)

Owner—Withheld.
 Architect—Willis Lowe, 354 Hobart St., Oakland.

Plans Being Completed.
HOTEL & TERMINAL Cost, \$—
EUREKA, Humboldt Co., Calif.

Nine-story reinforced concrete fireproof hotel (175 rooms, 100% baths, high class shops and stage terminal on ground floor).

Owner—Pickwick Co., 5th and Mission St., San Francisco.
 Architect—O'Brien Bros. and W. D. Peugh, 315 Montgomery St., San Francisco.

Work is to be started in thirty days.

Preparing Preliminary Plans.
HOTEL Cost, \$500,000
OAKLAND, Alameda Co., Cal. 21st St. and Telegraph Ave.
 Fourteen-story Class A steel frame and concrete hotel (250 rooms and baths).

Owner—Withheld.
 Architect—Willis Lowe, 354 Hobart St., Oakland.

POWER PLANTS

GLENDALE, Los Angeles Co., Cal.
 —Until August 20, 10 A. M., bids will be received by city council to furnish:
 (a) 50,000 ft. 4-in. fibre conduit with socket joints;
 (b) 30,000 ft. 4½-in. do;
 Certified check 10% required with bid. Spec. obtainable from P. Dielerich, city power plant superintendent.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Commissioned To Prepare Plans.
EXPOSITION BLDG. Cost, \$125,000
OAKLAND, Alameda Co., Cal. Near Municipal Auditorium.
 Exposition building (approximately 140 by 360 feet).

Owner—City of Oakland, W. W. Chapell, city clerk.
 Architect—Reed and Corlett, Oakland Bank Bldg., Oakland.

Structure will be set on a pile foundation will have a light truss roof.

Cast Stone, Lathing and Plastering Contracts Awarded.
LEGION BLDG. Cost, \$2,500,000
SAN FRANCISCO, Civic Center.

Four-story and basement concrete class A Legion Building.

OPERA HOUSE Cost, \$2,500,000
SIX-STORY class A opera house, seating capacity, 4000; standing room, 500.

Owner—City and County of San Francisco (S. F. War Memorial).
 Architect—G. A. Lansburgh, 140 Montgomery St., and Arthur Brown, Jr., 251 Kearny St.

Mgrs. of Const.—Lindgren & Swinerton, Inc., 225 Bush St.

Cast Stone (Opera House)—MacGruder & Co., 256 Tehama St., \$47,778. (Veterans Memorial)—J. D. McGilvray, \$17,995.

Lathing and Plastering (Opera House and Memorial)—Peter Bradley, 639 Brannan St. \$71,000 and \$98,750, respectively.

Contract Awarded.
ELEVATOR Cost, price, \$947
SAN QUENTIN, Marin Co., Cal.

Furnish and install 1 sidewalk elevator owner—State of California.
 Architect—Geo. McDougall, state architect, Public Works Bldg., Sacramento.

Contractor—Otis Elevator Co., 1 Beach St., San Francisco.

SACRAMENTO, Cal.—Pacific Elevator and equipment Co., 45 Raush St., San Francisco, at \$2,750 awarded contract by State Department of Public Works, Division of Architecture, for repairing electric elevator in State Capitol.

Plans Being Figured—Bids Close Sept. 2, 2 P. M.
CITY HALL Cost, \$15,000
LOS BANOS, Merced Co., Cal. J St. between 5th and 6th Sts.

Two-story brick and reinforced concrete combination fire house and city hall.

Owner—City of Los Banos, V. G. Bryant, city clerk.
 Plans by W. E. Bedesen, (engineer), Shaffer Bldg., Merced.

Segregated bids are wanted on various units of the work, as follows:

Contract 1.—Excavating, concrete, masonry and carpentry work, sheet metal work and the roof with alternates.

Contract 2.—Plumbing, gas fitting, sewerage, etc., with alternates.

Contract 3.—Electrical work, etc., with alternates.

Contract 4.—Plastering inside and out, with alternates.

Contract 5.—Painting, with alternates.

Contract 6.—Linoleum floors.

Certified check 10% payable to city clerk required with bid. Plans obtainable from the engineer on deposit of \$10, returnable.

Plans Being Completed.
ADDITION Cost, \$850
ISLETON, Sacramento Co., Cal.

One-story top addition to fire house and city hall (probably brick veneer and frame construction; ground floor 8-inch brick wall to match present building; auditorium, bedrooms, locker and shower rooms).

Owner—Town of Isleton.
 Architect—W. E. Coffman, Forum Bldg., Sacramento.

Engineer—Frank Talbott, Forum Bldg., Sacramento.

Bids will be taken in about two weeks.

Plans Being Figured—Bids Close Aug. 20, 3 P. M.

JAIL \$330,000 available
WALLA WALLA, Washington.
 Washington State Penitentiary.
 Owner—State of Washington.
 Architect—Julius A. Zittel, Auditorium Bldg., Spokane.

Separate bids are wanted for the general contract, heating and ventilating, plumbing, electric wiring and jail equipment for a cell-house. Plans obtainable from the architect on deposit of \$25, returnable.

Plans To Be Prepared.
COURTHOUSE Cost, as noted
SAN JOSE, Santa Clara Co., Cal.
Rebuild County Courthouse destroyed by fire.

Owner—County of Santa Clara, Henry A. Pfister, County Clerk.

Architect—Not Yet Selected.

County supervisors will meet next Monday to take definite action on the proposal to rebuild the courthouse recently destroyed by fire. Two proposals are being considered—one to build a new county courthouse in the proposed civic center area and another to rebuild the remainder of the courthouse, using the brick shell left by the fire of May 18 and providing an appropriation of \$125,000 to which amount would be added \$55,000 obtainable from insurance. The \$180,000, the supervisors estimate, would provide for complete rebuilding in addition to putting another story on the structure.

RESIDENCES

Contract Awarded.

RESIDENCE Cost, \$13,475
OAKLAND, Alameda Co., Calif. NE
Sunnyhills Road and Grosvenor Pl.
Two - story and basement frame and
stucco residence (8 rooms).

Owner—Morris and Lena Isaacson, 277
Park View Terrace, Oakland.

Architect—W. E. Schirmer, 700 21st
St., Oakland.

Contractor—C. H. Thrums, 28 Home
Place, Oakland.

Sub-Bids Wanted.

RESIDENCE Cost, \$50,000
HILLSBOROUGH, San Mateo Co., Cal.
Two - story and basement frame and
stucco residence (terrace, cotta tile
roof, steam heating system, electric
refrigeration, etc.)

Owner—Mr. DeBenedetti.

Architect—Miller & Warnecke, Financial
Center Bldg., Oakland.

A. F. & C. W. Mattock, 212 Clara
St., San Francisco, general contractors,
desire sub-bids on all portions of
the work in connection with above,
for which bids are to be opened Aug.
14, 4 P. M.

Preparing Sketches.

RESIDENCE Cost, \$25,000
SAN FRANCISCO. Seal Cliff District.
Two-story and basement frame and
stucco residence (slate roof, tile
baths and kitchen, gas heating
system, etc.)

Owner—Joseph Branstetter.

Architect—Bakewell & Weihe, 251
Kearny St., San Francisco.

August 13, 1931

Plans Being Figured.

RESIDENCE Cost each, \$6000
YOSEMITE PARK, Mariposa Co., Cal.
Three 1-story frame and stucco residences
(one 7 rooms and 2 baths,
and two 6 rooms).

Owner—United States Government.
Plans by John B. Wosky, National
Park Service, 525 Market St., San
Francisco.

Contract Awarded.

RESIDENCE Cost, \$25,000
SAN FRANCISCO. Jackson St. near
Presidio Avenue.

Two - story and basement frame and
stucco and brick veneer residence
(steam heating gas burner).

Owner—Bruce Cornwall, 2301 Pacific
Avenue.

Architect—Willis Polk & Co., 277 Pine
Street.

Contractor—A. F. & C. W. Mattock,
212 Clara St.

Sub-bids are in and will be awarded
shortly.

Plans Being Completed.

RESIDENCES Cost each, \$6000
SAN FRANCISCO. Adjoining Sutro
Heights and facing on Anza, Geary
Point Lobos, Clement, 45th, 46th,
47th, and 48th Avenues and Harding
Blvd.

Six 1-story and basement frame and
stucco bungalows (5 rooms each;
laundry, social hall, tile roof, gas
heating system, tile baths and kitchen).

Owner—Kiernan & O'Brien, % architect.

Architect—Albert H. Larsen, 447 Sutter
Street.

Work will be done by day's labor by
owners. Approximately \$4,000,000 will
be expended over a period of 2 years.

Additional Sub-Contracts Awarded.

RESIDENCE Cost, \$22,688
BERKELEY, Alameda Co., Cal. North
Cragmont.

Two - story and basement frame and
stucco residence (12 rooms and 3
baths, Spanish type, tile roof,
stucco walls, warm air heating
system, concrete swimming pool and
garage).

Owner—Marcus Lothrop, 111 South-
ampton Road, Berkeley.

Architect—Arthur W. Dudenman, 48
Oakvale Ave., Berkeley.

Contractor—Harold L. Paige, 5651 Oak
Grove, Oakland.

Brick—Victor Devight, 1828 Milvia St.,
Berkeley.

Sheet Metal—Christiansen & Grutsch,
4444 Piedmont Ave., Oakland.

Wiring—Fred Schmidt, 430 Moss Ave.,
Oakland.

Plumbing—J. A. Freitas, 1917 E 14th
St., Oakland.

Owner taking bids on electric fixtures.
Other awards reported Aug. 3,
1931.

Preparing Working Drawings.

RESIDENCE Cost, \$40,000
HILLSBOROUGH, San Mateo Co., Cal.
Two - story and basement frame and
stucco residence.

Owner—E. J. Arkush, 988 Market St.,
San Francisco.

Architect—Willis Polk Co., 277 Pine
St., San Francisco.

Plans will be ready for bids in about
thirty days.

Plans Being Figured—Bids Close Aug.
17, 12 Noon.

RESIDENCE Cost, \$12,500
SAN FRANCISCO. Seal Cliff District.
Two - story and basement frame and
stucco residence (9 rooms, 4 baths,
tile roof, hot air heating system).

Owner—Frank B. Hutchins.

Architect—John E. Dinwiddie, Balboa
Building.

Following contractors will submit
bids:

Strehlow & La Voie, 1274 Dolores St.
J. Harold Johnson, Hearst Bldg.
D. B. Gladstone, 557 Market St.
Jack & Irvine, 74 New Montgomery.
Wm. Martin, 686 Mission St.
A. Cedarborg, 1455 Excelsior Blvd.,
Oakland.

To Ask Bids In About One Week.

RESIDENCE Cost, \$70,000
PIEDMONT, Alameda Co., Cal. Pied-
mont Estates.

Two - story and basement frame and
stucco residence (Italian style,
tile roof, ornamental iron, marble,
gas heat, vapor system, landscaping).

Owner—R. K. Ham, Latham Square
Bldg., Oakland.

Architects—Noble and Archie T. New-
som, Russ Bldg., San Francisco.

Plans Being Revised.

RESIDENCE Cost, \$16,000
SAN JOSE, Santa Clara Co., Cal.
Two - story and basement frame and
stucco residence (8 rooms and 3
baths).

Owner—Dr. E. E. Porter, Security
Bldg., San Jose.

Architect—Wolfe and Higgins, Realty
Bldg., San Jose.

Sub-Contracts Awarded.

RESIDENCE Cont. price, \$6448
LOS GATOS, Santa Clara Co., Calif.
One - story and basement frame and
stucco residence (6 rooms; Span-
ish type).

Owner—W. L. Cottmire.

Architect—Chas. McKenzie, T w o h y
Bldg., San Jose.

Contractor—M. W. Reese, 1210 Minne-
sota St., San Jose.

Lumber and Millwork—S. H. Chase
Lumber Co., 547 Santa Clara, San
Jose.

Plastering—Farnham and Sanders,
Campbell.

Other awards will be made shortly.

Contract Awarded.

RESIDENCE Cont. price, \$13,475
OAKLAND, Alameda Co., Cal. Lake-
shore Highlands.

Two - story and basement frame and
stucco residence (Spanish style, 8
rooms, 3 baths; tile roof, hot air
heating).

Owner—East Bay Title Insurance Co.,
1430 Franklin St., Oakland.

Architect—Wm. E. Schirmer, 700 21st
St., Oakland.

Contractor—C. H. Thrums, 28 Home
Place, Oakland.

Sub-Bids Wanted.

RESIDENCES Cost, \$8000 each
SAN FRANCISCO. Nineteenth Ave.
and Sloat Blvd.

Three one-story and basement frame
and stucco residences (6 rooms
and 2 baths).

Owner and Builder—F. Nelson & Sons,
19th Ave. and Sloat Blvd., S. F.

Plans by Owner.

Sub-Contracts Awarded.

RESIDENCE Cost, \$18,000
BERKELEY, Alameda Co., Calif. 140
Southampton Road.

Two - story and basement frame and
stucco residence (9 rooms, 3 baths,
shingle roof, hardwood floors, oil
furnace, tile sun room floor).

Owner—H. O. Fisher, 701 Arlington
Ave., Berkeley.

Plans by Geo. L. Lane, 909 Spruce St.,
Berkeley.

Contractor—Bidell & Lane, 909 Spruce
St., Berkeley.

Lumber—Tilden Lbr. Co., foot of Uni-
versity Ave., Berkeley.

Sash and Doors—Western Door and
Sash Co., 2162 Shattuck, Berkeley.

Concrete—Schnoor Bros., 6016 Clare-
mont Ave., Oakland.

Plumbing—William Lohr, 534 Wesley,
Oakland.

Brick Work—P. C. Clausen, 170 Ari-
more, Oakland.

Plans Being Completed.

RESIDENCE Cost, \$10,000
SAN FRANCISCO. San Aliso S Dar-
ien Way.

Two-story and basement frame and
stucco residence (8 rooms, 3 baths)
(tile and composition roof, gas
heating system, electric refrigeration,
tile baths and kitchens, interior
canvas work, hardwood trim
hardwood floors, etc.)

Owner and Builder—A. J. Herzig, 635
Victoria St., San Francisco.

Architect—Not Given.

Sub-bids will be taken within a
few days.

Sub-Bids Being Taken.

RESIDENCE Cost, \$6500
SAN FRANCISCO. Pinelake Park.
 One-story and basement frame and stucco residence (5 rooms).
 Owner and Builder—Henry Petersen, 912 Geneva Ave., San Francisco.
 Architect—Not Given.

Plans Being Figured.

RESIDENCE, ETC. Cost, \$20,000
NORTH SACRAMENTO. Sacramento Co., Cal.

Two-story frame and stucco residence (composition shingle roof) (eight rooms; 4-car garage; stable for eight horses; concrete swimming pool).

Owner—F. B. Hart, North Sacramento
 Architect—Jens C. Petersen, 812 26th St., Sacramento.

Plans Being Prepared.

DUPLEX RESIDENCE Cost, \$15,000
SAN FRANCISCO. Roosevelt Way N
 Third Terrace.

Two-story and basement frame and stucco duplex residence (12 rooms and 5 baths); part tile and composition roof, gas heater, canvas walls and ceilings, electric refrigeration, colored tile baths and kitchens.

Owner—Withheld.
 Architect—Chas. F. Strothoff, 2274 16th St., San Francisco.

Plans will be ready for bids in one week.

Bids Opened—Held Under Advisement
RESIDENCE Cost, \$25,000
SAN FRANCISCO. Jackson St. near Presidio Avenue.

Two-story and basement frame and stucco and brick veneer residence (steam heating, gas burner).

Owner—Bruce Cornwall, 2301 Pacific Ave., San Francisco.
 Architect—Willis Polk & Co., 277 Pine St., San Francisco.

Bids Rejected—Plans To Be Revised.
PARISH HOUSE Cost, \$—
SAN JOSE. Santa Clara Co., Cal.

One-story and basement frame and stucco parish house.

Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.

Architect—H. A. Minton, 525 Market St., San Francisco.

Plans will be revised and new bids called for shortly.

Plastering Contract Awarded.
RESIDENCE Cost, \$—
HILLSBOROUGH. San Mateo Co., Cal.

South Down and Black Mountain Road.

Two-story and basement frame and stucco residence (12 rooms and 6 baths).

Owner and Builder—A. E. Albertone, 167 40th St., Oakland.

Plans by T. Moore, 58 Lake Avenue, Almont.

Steel sash, hot air heating system, tile roof.

Plastering—John Sherman, 2119 Oregon St., Oakland.

Contract Awarded.
RESIDENCE Cost, \$15,000
ATHERTON. San Mateo Co., Cal.

Two-story and basement frame and brick veneer residence (9 rooms, 3 baths, gas heating system, shakes roof, tile baths and kitchen).

Owner—Balfour Bowen, % Balfour-Guthrie Co., 351 California Street, San Francisco.

Architect—Farr & Ward, 68 Post St., San Francisco.

Contractor—Frank Marshall, 795 Ashbury St., San Francisco.

Construction will start immediately.

Sub-Contracts Awarded.
RESIDENCE Cont. price, \$10,600
SEBASTOPOL. Sonoma Co., Cal.

Two-story and basement frame and stucco residence (8 rooms, 2 baths)
 Owner—Chas. Meyer, Sebastopol.

Architect—William Herbert, Rosenberg Bldg., Santa Rosa.

Contractor—E. Ahlstrom, 740 5th St., Santa Rosa.

Plastering—R. Stedman, Santa Rosa.

Cement—C. D. Bradley, Sebastopol.

Plumbing & Sheet Metal—Wetch Bros. Sebastopol.

Painting—A. L. Hutton, Sebastopol.

Mill Work—T. J. Bridgeford, Sebastopol.

Wiring—L. A. Drake, Santa Rosa.

Plans Completed.
RESIDENCE Cost, \$8500
SAN FRANCISCO. W 19th Ave. 450 S Sloat Blvd.

One-story and basement frame and stucco residence (6 rooms, 2 baths, tile roof, hot air heating system, tile baths and kitchens, etc.)

Owner and Builder—F. Nelson & Sons, 19th Ave. and Sloat Blvd.

Plans by Owner.

Plans Being Prepared.
RESIDENCE Cost, \$7600
COLMA. San Mateo Co., Cal.

One-story and basement frame and stucco residence (6 rooms, 2 baths; gas and hot air heating system, electric refrigeration, colored tile baths and kitchen, hardwood floors etc.)

Owner—Withheld.
 Architect—Chas. Strothoff, 2274 15th St., San Francisco.

Bids will be taken about August 15.

Contract Awarded.
COTTAGE Contract price, \$3167
MT. DIABLO. Contra Costa Co., Cal.

One-story frame caretaker's cottage (4 or 5 rooms).

Owner—State of California.

Architect—Geo. McDougall, state architect, Public Works Bldg., Sacramento.

Contractor—H. E. Pynn, Danville

Plans Being Figured.
ALTERATIONS Cost, \$3650
SAN FRANCISCO. Bayview District.

Remodel two-story frame and stucco store for residence (5 rooms).

Owner—Withheld.
 Architect—Fabre and Hildebrand, 110 Sutter Street.

Contract Awarded.
RESIDENCE Cost, \$13,000
BERKELEY. Alameda Co., Cal. St. Louis Road.

Two-story and basement frame and stucco residence (9 rooms, 3 baths, English type).

Owner—Dr. M. H. Groves, American Trust Bldg., Berkeley.

Architect—E. L. Snyder, 2101 Addison St., Berkeley.

Contractor—H. K. Schultz, 811 Mendocino Ave., Oakland.

Shingle roof, hot air heating system.

Sub-Bids Being Taken.
RESIDENCE Cost, \$10,000
SAN MATEO. San Mateo Co., Cal.

NE Lot 5 Blk 19.

Two-story and basement frame and stucco residence.

Owner and Builder—Buschke & Johnson, 235 3rd Ave., San Mateo.

Plans by Owner.

Sub-Contracts Awarded.
RESIDENCE Cost, \$15,127
CARMEL. Monterey Co., Cal. Hatton Fields.

One-story frame and stucco residence (Spanish type; shake roof).

Owner—P. H. Coolidge, Hatton Fields, Carmel.

Architect—Not Given.

Contractor—Hugh W. Comstock, Carmel.

Plumbing and Sheet Metal—Anderson,
 Dougherty & Hargis, Seaside.

Heating—Fox Furnace Co., Salinas.

Plastering and Stucco—W. N. Ingram,
 Monterey.

Interior Tile—C. L. Frost, Monterey.
 Painting bids being taken.

Sub-Bids Being Taken.
RESIDENCES Cost, \$7000-\$8000
BURLINGAME. San Mateo Co., Cal.

One-story and basement and two-story and basement frame and stucco residences (hardwood floors, gas heating system, Spanish type).

Owner—Globe Securities Co., Hunter-Dulin Bldg., San Francisco.

Architect—Not Given.

Sub-Bids Being Taken.
RESIDENCES Cost each, \$4500
SAN FRANCISCO. SE 21st and Noe.

Two 1-story and basement frame and stucco residences (5 and 6 rooms; tile and composition roof, gas furnace, concrete foundations).

Owner and Builder—J. F. Kennedy, 760 Church St.

Plans by B. K. Dobkowitz, 425 Monterey Blvd.

Plans Being Completed.
RESIDENCE Cost, \$6500
SAN FRANCISCO. Pinelake Park.

One-story and basement frame and stucco residence (5 rooms).

Owner and Builder—Henry Petersen, 912 Geneva Ave.

Architect—Not Given.

Sub-bids will be taken within a few days.

Contract Awarded—Sub-Bids Being Taken.
RESIDENCE Cost, \$11,000
BERKELEY. Alameda Co., Cal. The Uplands.

Two-story and basement frame and stucco residence (Spanish type; 8 rooms, 3 baths, Spanish tile roof, gas heating system).

Owner—Mr. Tonjes.

Architect—Not Given.

Low Bidder—Beckett and Wight, 722 Scenic Ave., Berkeley.

Owner is out of town for short time.

Plans Completed.
RESIDENCE Cost, \$—
SAN FRANCISCO. N Cayuga Ave. between Stanton and Lye.

One-story and basement frame and stucco residence (4 rooms).

Owner and Builder—W. E. Barker, 312½ San Jose Ave.

Plans by B. K. Dobkowitz, 425 Monterey Blvd.

Contract Awarded.
RESIDENCE Cost, \$12,500
BERKELEY. Alameda Co., Cal. Panoramic Way.

Two-story and basement frame and stucco residence (tile roof, gas heating system, etc., 9 rooms and 3 baths).

Owner—Prof. Edward Cranston, 314 Panoramic Way, Berkeley.

Architect—E. L. Snyder, 2101 Addison St., Berkeley.

Contractor—Geo. Windsor, 928 Kings-ton, Berkeley.

English type, shingle roof, gas and hot air heating system.

SCHOOLS

MONTREY. Monterey Co., Cal.—

Worley & Co., 39 Natoma St., San Francisco, at \$2201.17 awarded contract by trustees of Monterey Union High School District to furnish and install lockers in the new gymnasium.

Contract awarded for six-inch lockers.

Bids Opened.

SCHOOL Cost, \$—
REDWOOD CITY, San Mateo Co., Cal.
 One-story reinforced concrete school
 (6 classrooms) and 1-story frame
 and stucco school (3 classrooms).

Owner—Redwood City School District,
 C. G. Uhlenberg, clerk.
 Architect—Coffey & Rist, Phelan Bldg.,
 San Francisco.

Following is a complete list of bids:

Eagle Hill School
 (Alt. 1.) deduct if chimney and man-
 tel in kindergarten are omitted.

(Alt. No. 2.) deduct if grading lot,
 not excavated for walls, basement, etc.

H. B. Post, 1130 Webster St., Palo
 Alto \$47,250 (1) \$200 (2) \$9200.

R. C. Stickle, South San Francisco

\$48,198 (1) \$4842 (2) \$7130.

H. H. Larsen, San Francisco \$48,923

(1) \$275 (2) \$9000.

Wilson and McGranahan, Santa

Cruz \$48,974 (1) \$225 (2) \$9000.

L. N. Pollard, Redwood City \$49,997

(1) \$399 (2) \$9000.

George Petersen, San Jose \$50,000

(1) \$190 (2) \$9000.

Larsen & Larsen, San Francisco,

\$51,010 (1) \$200 (2) \$8000.

N. H. Sjoberg & Son, San Fran-

cisco \$52,500 (1) \$250 (2) \$7500.

Garfield School

Alt. No. 1, deduct if chimney and

mantel in kindergarten are omitted.

L. N. Pollard, 55 Brewster St., Red-

wood City, \$8877 (1) \$193.

H. H. Larsen, San Francisco \$8882

(1) \$150.

Gus Waller, Redwood City \$8981 (1)

\$67.

H. B. Post, Palo Alto \$8992 (1) \$110.

R. C. Stickle, South San Francisco,

\$9000 (1) \$167.

Jos. Bettencourt, \$9484 (1) \$120.

H. W. Trechall, Redwood City \$9749

(1) \$140.

Larsen & Larsen, San Francisco \$10-

076 (1) \$100.

Allec C. Anderson, Redwood City,

\$10,400 (1) \$112.

Harry C. Yates, Redwood City \$10,-

667 (1) \$100.

N. H. Sjoberg & Son, San Francisco

\$11,021 (1) \$100.

Washington School Auditorium

Alt. No. 1, add if auditorium is in-

creased five feet in length.

Gus Waller, 221 Hudson St., Red-

wood City, \$6425 (1) \$325.

L. N. Pollard, Redwood City \$6877

(1) \$410.

H. B. Post, Palo Alto \$7000 (1) \$390.

H. H. Larsen, San Francisco, \$7123

(1) \$425.

L. A. Batchelder \$7197 (1) \$290.

R. C. Stickle, South San Francisco

\$7229 (1) \$672.

Jos. Bettencourt \$7530 (1) \$400.

Allec C. Andersen, Redwood City,

\$8107 (1) \$650.

Larsen & Larsen, San Francisco \$9,-

254 (1) \$950.

N. H. Sjoberg & Son, San Francisco

\$999 (1) \$1000.

Bids held under advisement until to-

night, August 13.

Preparing Working Drawings.

SCHOOL Cost (1st unit) \$10,000

SALINAS, Monterey Co., Calif.

One-story frame and stucco school

(tile roof, gas appliance heat).

Owner—Spring School District.

Architect—Chas. E. Butner, Glikbarg

Bldg., Salinas.

Bids will be taken about Aug. 22.

Preparing Working Drawings.

ADDITIONS Cost, \$40,000

SALINAS, Monterey Co., Cal. Lincoln

and Roosevelt Schools.

Alterations and additions to frame and

stucco schools (tile roofs, steam

heating system to connect to main

heating plant).

Owner—Salinas City School District.

Architect—Chas. F. Butner, Glikbarg

Bldg., Salinas.

Bids will be asked about Aug. 22.

Bids Opened.

SCHOOL ADDITION Cost, \$—

MILLBRAE, San Mateo Co., Cal.

One-story frame and stucco addition

to grammar school (2 classrooms,

kindergarten, corridors, etc.)

Owner—Millbrae Grammar School Dis-

trict.

Architect—Edwards and Schary, 605

Market St., San Francisco.

Low Bidder—R. C. Stickle, South San

Francisco.

Following is a complete list of bids:

R. C. Stickle, South S. F. \$8,233

J. Bettencourt, San Mateo \$8,558

J. Magnussen \$8,960

J. S. Hannah, S. F. \$9,999

M. J. Henry, Burlingame \$9,049

T. J. Broderick, Burlingame \$9,371

G. P. W. Jensen, S. F. \$9,380

Wm. Martin, S. F. \$9,597

H. H. Larsen, S. F. \$9,823

J. W. Cobby & Son, S. F. \$9,897

Contract to be awarded to the low

bidder.

SAN MATEO, San Mateo Co., Cal.—

Until August 20, 8 P. M., bids will

be received by San Mateo Union High

School District, to furnish and install

one new Dexter Pony Press Swing-

buck Suction Pipe Feeder or equal.

See item under "Machinery Equip-

ment" in this issue for further par-

ticulars.

HILLSBOROUGH, San Mateo Co.,

Cal.—C. F. Weber & Co., 650 Second

St., San Francisco, awarded contract

by Hillsborough School District to fur-

nish (a) 50 size "A" adjustable move-

able steel desks; (b) 10 size "B" ad-

justable movable steel desks of the

American universal type or its equiv-

alent.

Following is a complete list of bids:

Heywood Wakefield Co., San Fran-

cisco (a) \$11.00 each (b) \$10.50 each.

Spinner Diest Co., San Francisco (a)

\$11.70 (b) \$11.43.

F. E. Turner, San Francisco, (a)

\$12.35 (b) \$11.85.

C. F. Weber & Co., San Francisco

(a) \$13.39 (b) \$13.01.

Award made subject to the approval

of the District Attorney.

Plans Being Completed

ADDITIONS Cost, \$34,000

DEL MONTE, Monterey Co., Cal.

Additions to Seaside Grammar School

(frame construction).

Owner—Del Monte Grammar School

District.

Architect—Swartz & Ryland, Spazier

Bldg., Monterey.

Bids will be taken in two or three

weeks.

Sub-Contracts Awarded.

SCHOOL Contract price, \$2460

SANTA ROSA, Sonoma Co., Cal. Bur-

bank Grammar School.

Plumbing system for school and finish

toilet rooms.

Owner—Santa Rosa School Dist., % F.

O. Pryor, 1505 13th St., Santa Rosa

Architect—William Herbert, Rosenberg

Bldg., Santa Rosa.

Contractor—E. Ahlstrom, 740 5th St.,

Santa Rosa.

Plastering—R. Stedman, Santa Rosa.

Painting—H. Kruger, Santa Rosa.

Cement—C. Felt, Santa Rosa.

Plumbing—G. Mitchell, Santa Rosa.

Plans Being Figured—Bids Close Aug.

22, 7:30 P. M.

TILE ROOFING Cost, \$—

UKIAH, Mendocino Co., Cal.

Re-roofing tile portion of Ukiah Ele-

mentary School.

Owner—Ukiah Grammar School Dist.,

W. A. Thornton, clerk, Ukiah.

Architect—Not Given.

Certified check or bid bond 10% re-

quired with bid. Specifications and

further information obtainable from

clerk.

Plans Being Completed.

ORPHANAGE Cost, \$250,000

SACRAMENTO, Sacramento Co., Cal.

Franklin Blvd.

Two-story and basement reinforced

concrete orphanage (parochial

school, dormitory, etc.)

Owner—St. Patrick's Orphanage, Grass

Valley.

Architect—Harry J. Devine, Cal-

ifornia State Life Bldg., Sacra-

mento.

Bids will be taken within 2 weeks.

Contract Awarded.

HEATING Cost, \$—

MODESTO, Stanislaus Co., Cal.

Heating system for North Unit of the

Modesto Junior College.

Owner—Modesto City School District,

E. D. Abbott, secretary.

Architect—Davis-Pearce Co., Builders'

Bldg., Stockton.

Contractor—H. A. Trueblood, Modesto.

Bid submitted as follows:

Oil burning \$5,795

Gas heating 5,570

Contract Awarded.

SCHOOL Cont. Price, \$25,437

PISMO, San Luis Obispo Co., Cal.

One-story brick school (3 classrooms,

auditorium and kitchen).

Owner—Pismo Elementary School Dis-

trict.

Architect—Louis N. Crawford, Gibson-

Drexel Bldg., Santa Maria.

Contractor—Neves & Harp, Santa

Clara.

Plans Being Prepared.

SCHOOL Cost, \$290,000

PORTLAND, Oregon.

Eighteen-classroom and auditorium

concrete Irvington School.

Owner—City of Portland School Dist.

Architect—Geo. H. Jones, city school

architect, Portland.

Structure will have brick facing,

13 classrooms, auditorium, manual

training room, cafeteria, home eco-

nomics department and gymnasium.

The auditorium will have a seating ca-

pacity of 400.

SANTA CRUZ, Santa Cruz Co., Cal.

—Until August 26, 8 P. M., bids will

be received by C. R. Holbrook, secre-

tary, Board of Education, to furnish

stage equipment for four schools. Spec.

and further information obtainable

from City Superintendent of Schools.

Plans Being Figured—Bids Close Aug.

22, 5 P. M.

BUILDING Cost, \$—

BAKERSFIELD, Kern Co., Cal.

Erect sanitary building for school.

Owner—Wildwood School District, D.

M. Crawford and J. W. Cruzan,

trustees.

Architect—Edwin J. Symmeh, Haber-

felde Bldg., Bakersfield.

Certified check or bidder's bond 10%

payable to Clerk of the Board of Trus-

tees of District required with bid.

Plans obtainable from the architect on

deposit of \$10, returnable.

SAN MATEO, San Mateo Co., Cal.—

Fred Medart Co., 4401 San Bruno

Ave., San Francisco, at \$4.59 per

locker, awarded contract by trustees

of the San Mateo Union High School

District to furnish 250 steel lockers,

single tie 12x12x72 inches with two

Bids Opened.

MISCELLANEOUS UNITS Cost, \$—
SANTA ROSA, Sonoma Co., Cal.
(a) electrical work (b) special fixture work for Science Unit of Junior College and (c) for heating one or more buildings of the College.

Owner—Santa Rosa Junior College District, J. B. Bridgeford, secretary, 109 E Washington St., Petaluma.

Architect—W. H. Weeks, 525 Market St., San Francisco.

Following is a complete list of bids: **Heating**

(1) steam heat, gas fired boiler, 2nd unit (2) oil burner, oil fired boiler, 2nd unit (3) complete steam heating, 1st unit (4) oil burner, oil fired boiler, 1st unit (5) rough-in piping, omit boiler, burners, etc., 2nd unit.

W. H. Picard, 5656 College Avenue, Oakland (1) \$3932 (2) \$1048 (3) \$3092 (4) \$584 (5) \$635.

Pacific Heating & Ventilating Co., Oakland (1) \$4195 (2) \$5275 (3) \$3022 (4) \$3830 (5) \$2025 (includes ventilating).

Kittling Bros., San Francisco (1) \$4,200 (2) \$5152 (3) \$3242 (4) \$4126 (5) \$722.

Geo. C. Bell, Oakland (1) \$4330 (2) \$5500 (3) \$3125 (4) \$3985 (5) \$775.
Geo. Mitchell, Santa Rosa, (1) \$4,504 (2) \$5106 (3) \$3490 (4) \$4327 (5) \$750.

Ra Kyock, Santa Rosa (1) \$4730 (2) \$5294 (3) \$2976 (4) \$3830 (5) \$779.

Scott Co., Oakland (1) \$4567 (2) \$5,497 (3) \$3407 (4) \$4177 (5) \$722.

Geo. Schuster, Oakland (1) \$7485 (2) \$2185.

Electric Work

K. F. Stalling, Santa Rosa, \$4,200
Empire Electric Shop, 4,235
L. A. Drake, 5,250
Chas. Langlais, 5,479

Special Fixture Work

C. F. Weber & Co., 650 2nd St., San Francisco (a) \$11,845
Flnk & Schindler, S. F. (c) 13,670
Home Mfg. Co., S. F. (d) 14,209
Pacific Mfg. Co., S. F. 14,992
H. T. Spencer, Corte Madera (b) 15,124
Braas & Kuhn, S. F. 17,500

Rental Per Month

(a) \$200 (b) \$100 (c) \$75 (d) \$275.
Contracts will be awarded to low bidders shortly.

Sub-Contracts Awarded.

GYMNASIUM Contract price, \$16,920 (first unit)

CHICO, Butte Co., Cal.

One-story brick gymnasium (composition roof, steam heating system, showers, lockers and steel sash).

Owner—Chico Union High School Dist.

Architect—Cole & Brouhard, 1st National Bank Bldg., Chico.

Contractor—W. J. Shalz, Chico.

Heating & Plumbing—L. Stultz, Chico.

Electric Wiring—C. H. Bleacher, Chico

Mill Work—Diamond Match Co., Chico

Roofing—Bush Roofing Co., Chico.

Sheet Metal—Rumstead Sheet Metal Works, Chico.

Plastering—Bert Reed, Chico.

Painting—Chico Paint Co., Chico.

Title—Chico Title Co., Chico.

Reinforcing Steel—Gunn, Carle & Co.,

444 Market St., San Francisco

Plans Being Figured—Bids Close Aug. 24, 7:30 P. M.

PAINTING Cost, \$—
SACRAMENTO, Sacramento Co., Cal.

Painting school building.

Owner—Pacific School District, Fred

W. Smith, clerk, R. F. D. No. 9,

Box 1370, Sacramento.

Architect—Not Given.

Certified check 10% payable to Pacific School District required with bid. Specifications obtainable from clerk.

Plans Being Figured—Bids Close August 22, 2 P. M.

IMPROVEMENTS Cost, \$—
MODESTO, Stanislaus Co., Cal.

Construct boys' shower room as an addition to gymnasium and plaster exterior of gymnasium and training building in the Modesto Junior College and install steam heating system in the Agricultural Building, Music Hall and office of bus shed.

Owner—Modesto City School District E. D. Abbott, Secretary, Board of Education, Modesto.

Architect—Davis-Pearce Co., Builders' Bldg., Stockton.

Certified check or bid bond for 10% required with bid. Plans obtainable from the architect and on file in office of the secretary in the Capitol School at Modesto.

Plans Being Figured—Bids Close Aug. 24, 7:30 P. M.

ADDITION Cost, \$4500
SACRAMENTO, Sacramento Co., Cal.

Brick addition to junior college.

Owner—Sacramento Junior College District.

Architect—Charles Deann, California State Life Bldg., Sacramento.

Certified check 10% payable to Chas. C. Hughes, secretary of the Board of Education, required with bid. Plans obtainable from the architect on deposit of \$15, returnable.

Bond Issue Defeated.

SCHOOL Cost, \$9000
DUNNIGAN, Yolo Co., Cal.

One-story concrete school (stucco exterior).

Owner—North Grafton School District, J. E. Smith, clerk; Fred McCullough and Olaf Olsen, trustees.

Architect—Charles Deann, California State Life Bldg., Sacramento.

The election held August 10 failed to carry, lacking 1 vote of the necessary two-thirds majority. There were 47 votes cast in favor of the bonds and 24 against.

Bids Opened.

SCHOOL Cost, \$—
FORT BRAGG, Mendocino Co., Cal.

Leggett Valley.

One-story frame school (4 classrooms, auditorium and offices).

Owner—Fort Bragg Union High School District, J. J. Tallman, Clerk, Ft. Bragg.

Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

Low Bidder—Charles Whited.

Following is complete list of bids:

Chas. Whited, Fort Bragg, \$9974

Myrl R. Crane, 10,680

V. Gray, 10,707

A. O. Lightford, 11,860

Petaluma Constr. Co., Petaluma 12,625

Charles Swanfeldt, 12,750

Plans Completed.

HEATING PLANT Cost, \$—
HOLLISTER, San Benito Co., Cal.

Heating plant for high school.

Owner—San Benito High School Dist.

Architect—W. H. Weeks, 525 Market St., San Francisco.

Bids will be asked within one week.

Preparing Plans.

SCHOOL Cost, \$100,000
LONG BEACH, Los Angeles Co., Cal.

4th and Junipero Ave.

Two-story and basement brick and concrete school.

Owner—Long Beach School District.

Architect—George D. Riddle, Pacific Southwest Bldg., Los Angeles.

Present building on the site will be razed.

Plans Being Figured—Bids Close Aug. 22, 10 A. M.

SCHOOL Cost, \$100,000
REDWOOD CITY, San Mateo Co., Cal.

NE Katherine and Grand Sts.

Two-story concrete school (Spanish type, ten classrooms, club house, auditorium and cafeteria).

Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.

Architect—H. A. Minton, 525 Market St., San Francisco.

Juschke & Johnson, general contractors, 235 3rd Ave., San Mateo, (S. M. 1485) desire sub-bids on all portions of the work on above.

BANKS, STORES & OFFICES

Contract Awarded.

COMMERCIAL BLDG. Cost, \$—
LAS VEGAS, Nevada.

Three-story reinforced concrete commercial building (65x175 feet).

Owner—Mary Ellen O'Neill.

Architect—Francis J. Norton, 1223 W. Eighth St., Los Angeles.

Contractor—Olson Constr. Co., Las Vegas, Nevada.

Preparing Preliminary Plans.

MARKET Cost, \$25,000
BERKELEY, Alameda Co., Cal.

University Avenue.

One-story brick and stucco market.

Owner—Withheld.

Architect—E. L. Snyder, 2101 Addison St., Berkeley.

Sub-Bids Being Taken.

STORE Cost, price, \$76,000
SANTA ROSA, Sonoma Co., Calif.

4th Street.

Three-story brick and concrete store building (salesroom and offices; 60 by 90-ft.).

Owner—S. H. Kress and Co., 621 S Broadway, Los Angeles.

Architect—John Fleming, 1031 South Broadway, Los Angeles.

Contractor—Lindgren & Swinerton, Inc., California State Life Bldg., Sacramento.

The building will have composition roofing, steel sash, hardwood floors, plate glass, etc.

Completing Plans.

SHOP & MARKET Cost, \$400,000
LONG BEACH, Los Angeles Co., Cal.

Broadway.

Two-story and basement shop and market (360x190-ft.).

Owner—Long Beach Market Co., Ltd., Broadway and Atlantic, Long Beach.

Plans by Eng. Dept. of Owner.

Plans Being Figured.

REMODELING Cost, \$—
SAN RAFAEL, Marin Co., Cal.

530 B Street.

One-story hollow tile and stucco top addition to newspaper building and remodel ground floor.

Owner—Harry Luigens, % The Independent, 530 B St., San Rafael.

Architect—N. W. Sexton, deYoung Bldg., San Francisco.

Plans Being Figured—Bids Close Aug. 17, 2 P. M.

OFFICES Cost, \$90,000
SACRAMENTO, Sacramento Co., Cal.

SW Tenth and N Streets.

One-story class A reinforced concrete fruit exchange office building (80x160-ft., garage in rear 42-ft. sq.)

Owner—California Fruit Exchange (J. L. Nagle, general manager), Sacramento.

Architect—Starks & Flanders, Form Bldg., Sacramento.

Contract Awarded.
NEWSPAPER OFFICE Cost, \$25,000
REDWOOD CITY, San Mateo Co., Cal.
 One- and two-story reinforced concrete office building.
 Owner—Peninsula Newspapers, Inc.,
 248 Hamilton St., Palo Alto.
 Architect—John B. McLeod, 381 Bush
 St., San Francisco.
 Contractor—Wells P. Goodenough, 310
 University Ave., Palo Alto.

Additional Sub-Contracts Awarded.
STORE Cost, \$—
OAKLAND, Alameda Co., Cal. Broad-
 way near 19th Street.
 One-story reinforced concrete store
 (40x100-ft.)
 Owner—Albert E. Kern and Samuel
 Hamburger.
 Architect—Reed and Corlett, Oakland
 Bank Bldg., Oakland.
 Mgr. of Const.—F. A. Muller, Syndi-
 cate Bldg., Oakland.
Millwork—Lanmon Brothers, 5th and
 Magnolia Sts., Oakland.
Tile—Rigney Tile Co., 3012 Harrison
 St., Oakland.
Sheet Metal—East Bay Sheet Metal
 Works, 1101 Market St., Oakland.
Terrazzo—Consolidated Terrazzo Co.,
 Claus Spreckels Bldg., San Fran-
 cisco.
Plastering—Fred Driscoll, 937 57th St.,
 Oakland.
 Sub-bids are being taken on paint-
 ing. Other awards reported July 27,
 1931.

Plans Being Completed.
RESTAURANT Cost, \$7000
OAKLAND, Alameda Co., Cal. Outer
 Harbor.
 One-story frame and stucco restau-
 rant (130x20 feet); composition
 roof, stucco walls, magnesite floor-
 ing, etc.)
 Owner—City of Oakland (Port Com-
 mission), 424 Oakland Bank Bldg.,
 Oakland.
 Architect—Eng. Dept. of Owner.

THEATRES

Structural Steel Contract Awarded.
THEATRE Cost, \$60,000
VALLEJO, Solano Co., Cal.
 Two-story class A reinforced concrete
 theatre and store.
 Owner—United Artists Corp., Los An-
 geles.
 Architect—Walker & Eisen and C. A.
 Balch, Western Pacific Bldg., Los
 Angeles.
 Contractor—Beller Const. Co. 580 Mar-
 ket St., San Francisco, and 6513
 Hollywood Blvd., Los Angeles.
 Monolithic concrete exterior finish,
 concrete and wood floors, wood, metal
 lath and plaster interior partitions,
 composition roofing, hot air heating
 system and gas furnace.
Structural Steel—Golden Gate Iron
 Works, 1451 Howard Street, San
 Francisco.
 Sub-bids are wanted on other por-
 tions of the work.

SACRAMENTO, Calif.—Harry Sey-
 mour, representing Warner Brothers
 Corp., theatre operators, has notified
 the Sacramento city council that this
 company will not proceed with con-
 struction of the proposed new \$1,000,-
 000 theatre building in the vicinity of
 10th and K Streets for at least two
 years. Acting on the notification, the
 city council extended for two years
 the franchise held by Warner Bros. to
 bridge the alley between K and L
 Sts., 10th and 11th Sts. Contemplated
 plans of the Warner Bros. Corp. call
 for a structure with a K Street en-
 trance with the main building on the
 L Street side of the alley.

Plans Being Prepared—Contract
THEATRE Cost, \$50,000
SONOMA, Sonoma Co., Cal.
 One-story reinf. concrete theatre (76x
 181-ft.; 500 seating capacity; three
 stores; Grecian type of architec-
 ture)
 Owner—Withheld.
 Architect—Reid Bros., 105 Montgom-
 ery St., San Francisco.
 Contractor—Ralph Murphy and Sons,
 Napa Road, Sonoma.

Lumber Contract Awarded.
THEATRE Cost, \$80,000
BERKELEY, Alameda Co., Cal. Shat-
 tuck Ave. and Bancroft Way.
 Two-story class A reinforced concrete
 theatre and store (to seat 900).
 Owner—United Artists Theatres of
 California (Jos. M. Schenck, vice-
 president), 1966 S Vermont Street,
 Los Angeles.
 Architect—Walker & Eisen and C. A.
 Balch, Western Pacific Bldg., Los
 Angeles.
 Contractor—Henry I. Beller Const. Co.
 Mercantile Bank Bldg., Berkeley.
 Monolithic concrete exterior finish,
 wood interior partitions, composition
 roofing, concrete and wood floors, hot
 air heating system and gas furnace.
Lumber—Tilden Lumber Co., foot of
 University Ave., Berkeley.
 As previously reported excavation
 awarded to Ariss-Knapp Co., 961 41st
 St., Oakland.
 Sub-bids are wanted on all portions
 of the work.

SANTA CRUZ, Santa Cruz Co., Cal.
 Until August 25, 8 P. M., bids will
 be received by C. R. Holbrook, secre-
 tary, Board of Education, to furnish
 stage equipment for four schools. Spec.
 and further information obtainable
 from City Superintendent of Schools.

WHARVES AND DOCKS

Contract Awarded.
WHARF & WALL Cont. price, \$23,730
SAN FRANCISCO. Jefferson St. bet.
 Jones and Taylor Sts.
 Reinforced concrete wharf (400x15-ft.)
 and precast reinf. concrete retain-
 ing wall (jacketed piles, etc.)
 Owner—State of California (Harbor
 Board).
 Engineer—Frank White, Ferry Bldg.
 Contractor—MacDonald & Kahn, Fi-
 nancial Center Bldg.
 Following is a complete list of bids:
 MacDonald & Kahn.....\$23,730
 A. W. Kitchen.....23,919
 M. B. McGowan.....24,837
 Healy-Tibbitts Const. Co.....29,331

MISCELLANEOUS CONSTRUCTION

LOS ANGELES, Cal.—Until 4 P. M.
 Aug. 24, bids will be received by the
 purchasing department, Board of Edu-
 cation, for furnishing certain school
 supplies and equipment including: 32,-
 900 lin. ft. chain link copper-bearing
 fencing, 3200 galvanized steel posts,
 39,500 ft. galvanized steel pipe, as per
 list and specifications on file in the
 purchasing bureau of the board, 1445
 S San Pedro St.

Plans Being Figured.
SWIMMING POOL Cost, \$—
NORTH SACRAMENTO, Sacramento
 Co., Cal. Del Paso Park.
 Reinforced concrete and tile swim-
 ming pool (150x200 ft.) (modern
 Parisian style).
 Owner—Withheld.
 Architect—Jens C. Petersen, 812 26th
 St., Sacramento.

SAN JOSE, Santa Clara Co., Calif.—
 City council rejects bids to furnish
 wireless receiving equipment for police

department automobiles and equip-
 ment will be purchased in the open
 market. John J. Lynch, city clerk.

SAN JOSE, Santa Clara Co., Calif.—
 City council has approved plans for
 pedestrian subway across Santa Clara
 St. fronting the Horace Mann School;
 estimated cost \$10,000. Wm. Popp, city
 city engineer. John J. Lynch, city
 clerk.

SAN JOSE, Santa Clara Co., Cal.—
 Until August 31, 11 A. M., bids will be
 received by Henry A. Hister, county
 clerk, to construct a wire fence on the
 Junipero Serra Boulevard in Super-
 visor District No. 5 (being proposed
 highway through the Stanford Uni-
 versity Campus), approximately six
 miles in length. Specifications on file
 in office of the county clerk and ob-
 tainable from Robert Chandler, county
 surveyor.

RENO, Nev.—Purchase by the city
 of Reno and Washoe County of land
 for a new municipal airport just south
 of and adjoining the Boeing airport
 will be requested of the city and coun-
 ty officials within the next few days
 by local aviation clubs and interested
 citizens. Installation of modern air-
 port lighting, hangar and shop con-
 struction are included in tentative
 plans.

Contract Awarded.
GATEWAY Cost, \$1,856.23
OROVILLE, Butte Co., Cal. Memorial
 Park.
 Ornamental wrought iron gates for
 cemetery entrance.
 Owner—Oroville Cemetery Association,
 Walter Reece, chairman of board
 of trustees.
 Architect—Chas. Kyson, Los Angeles
 Contractor—McDonald and McPhee,
 Oroville.

Contract Awarded.
STATION Cont. price, \$8738
CRESCENT CITY, Del Norte Co., Cal.
 One-story border station (frame and
 log construction).
 Owner—State of California.
 Architect—Geo. McDougall, state ar-
 chitect, Public Works Bldg., Sacra-
 mento.
 Contractor—Oliver S. Almie, 1445 24th
 Ave., San Francisco.

AGNEW, Santa Clara Co., Calif.—
 Raymond Concrete Pipe Co., Hunter-
 Dulin Bldg., San Francisco, at \$3,885
 awarded contract by State Department
 of Public Works, Division of Archi-
 tecture, for pile driving for founda-
 tions for water tower at Agnew State
 Hospital.

OAKLAND, Cal.—Until August 26, 8
 P. M., bids will be received by John H.
 Kimball, secretary, East Bay Municipal
 Utility District, 513 16th Street, to
 furnish 2,705 lin. ft. of 2-inch mesh
 link fence six ft. high with posts, fit-
 tings and barbed wire, under Proposal
 No. 338. Specifications obtainable from
 above office.

OAKLAND, Calif.—Until August 24,
 4:30 P. M., bids will be received by G.
 B. Hegardt, secretary, City Port Com-
 mission, 424 Bank of America Bldg.,
 to furnish and install a 70-foot struc-
 tural steel ladder for port dredge.
 Plans for this work will be ready for
 bidder about August 18. Further in-
 formation obtainable from above of-
 fice.

SAN FRANCISCO—Until August 19,
 2:30 P. M., bids will be received by
 S. J. Hester, Secretary, Board of Pub-
 lic Works, for hauling cement, sand
 and gravel in connection with the

Engineering News Section

BRIDGES

SACRAMENTO, Calif.—County supervisors provide \$75,000 in 1931-1932 budget to finance construction of a new bridge across the American River on the Fairroads Blvd. The sum of \$39,505 has also been provided and will be available if the Yolo County supervisors will agree to undertake the project on a share basis. Construction of this bridge was delayed when the Interstate Commerce Commission refused permission to the Sacramento-Northern Railroad to extend its Holland Line branch. The railroad was to have built a combination railroad-vehicle bridge, paying half the cost, with Yolo and Sacramento counties paying one-fourth each.

SAN FRANCISCO.—State Highway Engineer C. H. Purcell has announced that borings for the proposed 3000-ft. bridge to span San Francisco Bay between Alameda County and the City of San Francisco may take 6 months. Contracts for this work will probably be advertised in September. Mr. Purcell states that in places the drill will have to penetrate 300 ft. of water, mud and rock. In places on either side of Yerbe Buena, diamond drilling will be prosecuted through 160 to 180 ft. of mud and water before rock is reached. Rock drilling will extend probably 100 ft. into the rock. An office especially fitted for the preparation of these plans and employing 60 draughtsmen, will be opened in a San Francisco office building. The State Bridge Engineer, Charles E. Andrew, will be in charge. The estimated cost of the project is \$75,000,000.

NAPA, Napa Co., Cal.—Geo. Owens, Petaluma, at \$2,337 awarded contract by city council to construct concrete bridge at Brown St., involving: 670 cu. yds. excavation; 390 cu. yds. concrete 1:2:4 mix; 78,000 lbs. reinf. bars (except hand rail bars); 90 lin. ft. hanf. rail (including posts and bars).

SAN JOSE, Santa Clara Co., Calif.—City council has approved plans for pedestrian subway across Santa Clara St. fronting the Horace Mann School; estimated cost \$10,000. Wm. Popp, city engineer. John J. Lynch, city clerk.

SAN FRANCISCO.—The hearing on the Golden Gate Bridge & Highway District friendly test suit to determine tax levying rights will be heard by the State Supreme Court Sept. 15. Chief Justice William H. Waste issued an alternative writ of mandate returnable on that date against W. W. Felt Jr., secretary of the district, in response to the petition of the district as a public corporation. The suit was brought at the demand of bond houses who refused to buy the bonds unless the validity of the tax question was settled by the highest court.

SAN LEANDRO, Alameda Co., Cal.—M. J. Bevanda, Stockton Savings & Loan Building, Stockton, at \$23,367 awarded contract by city council to construct steel and concrete bridge over San Leandro Creek in Park St. Will be 90 ft. long and 70 ft. wide with 10 ft. sidewalks on each side, the 60 ft. roadway to be divided for four lanes of traffic.

EUREKA, Humboldt Co., Cal.—Chris Winkler, Ferndale, Calif., at \$1,965.25 awarded contract by county supervisors to construct highway bridge at Scotia in Road District No. 2; will be of the trestle type, 88-ft. in length with Bitumulus surface roadway. Complete list of bids follows:

Chris Winkler	\$1,965
—Kelser	2,037
Smith Bros.	2,120
Smith & Cloney ..	2,126
Mercer-Fraser Co. .	2,170
W. C. Baldwin	2,250
A. J. Anderson	2,280
F. J. Maurer & Son ..	2,400
—McKee	2,490

Contract for piling in connection with this project awarded to Pacific Lumber Co. of Scotia, Calif.

SANTA CRUZ, Santa Cruz Co., Cal.—Engineering Department, Southern Pacific Railroad, 65 Market St., is preparing plans for pedestrian subway at the south end of Liebrandt Ave. under the Southern Pacific tracks to the beach.

SAN LEANDRO, Alameda Co., Cal.—Until August 10, 8 P. M., (time extended from August 5), bids will be received by city council to construct steel and concrete bridge over San Leandro Creek in Park Street; will be 90 ft. long and 70 ft. wide with 10 ft. sidewalks on each side, the 60 foot roadway to be divided for four lanes of traffic. Estimated cost \$35,000 of which the county will pay \$25,000. The city has already provided \$10,000 as its share of the cost from budget funds. Plans obtainable from W. A. Richmond, city manager, and on file in office of the city clerk.

ORANGE COUNTY, Cal.—E. A. Irish 1018 Mignonette St., Los Angeles, at \$11,026.90 awarded contract by State Highway Commission to construct reinforced concrete pedestrian subway under the state highway and tracks of the Pacific Electric Railway, near Seal Beach at Station 129, involving: 1100 cu. yds. structure excav.; 310 cu. yds. class A concrete (placed by tremie); 210 cu. yds. class A concrete (struc.); 22,000 lbs. reinf. steel; 30 bbls. heavy fuel oil (detour); miscellaneous work.

SAN LEANDRO, Alameda Co., Cal.—M. J. Bevanda, Stockton Savings & Loan Bldg., Stockton, at \$23,367 submitted lowest bid to city council to construct steel and concrete bridge over San Leandro Creek in Park St.; will be 90 ft. long and 70 ft. wide with 10 ft. sidewalks on each side, the 60 ft. roadway to be divided for four lanes of traffic. All bids taken under advisement. Following is a complete list of bids:

M. J. Bevanda, Stockton	\$23,367.00
J. B. Petersen, Oakland	23,434.00
Geo. Petersen, San Leandro	25,030.00
L. C. Speidell, S. F.	25,112.00
Jacobs & Pattiani, Oakland	25,646.00
Sullivan & Sullivan, Oakland	27,065.00
A. W. Kitchen & Co., S. F.	27,184.00
F. M. Bodenhammer, Oakland	27,961.00
L. J. Immel, Berkeley	28,659.00
M. J. Davis & Farabee	29,560.00
C. A. Bruce, Pleasanton	30,448.20

SHASTA COUNTY, Cal.—Rolla Arbuckle, Anderson, Calif., at \$1,712 submitted low bid to H. S. Comly, district engineer, State Highway Commission, Redding, to construct a struc-

tural steel and timber sidewalk on a bridge across Castia Creek near Castella, approximately 120 ft. long and 5 ft. wide, with timber bulkheads, and widened approaches. J. P. Brennan, Redding, at \$1,820 only other bidder. Taken under advisement.

SANTA ROSA, Sonoma Co., Cal.—See "Streets and Highways," this issue. Budget estimates for road, bridge and highway improvements during fiscal year 1931-32.

GLENDALE, Los Angeles Co., Cal.—Until August 20, 10 A. M., bids will be received by city council to construct reinforced concrete single span, rigid frame bridge on the Canada Blvd. over Verdugo Wash; will be 43-ft. long, 68-ft. wide; 55-ft. roadway, and two 5-ft. walks. Plans obtainable from J. C. Albers, city engineer.

NEWPORT BEACH, Los Angeles Co., Cal.—City contemplates construction of overhead crossing at the Arches. The proposed crossing will segregate vehicular, railway, and canal traffic at the Arches, on the road from Newport Beach to Costa Mesa, where the road crosses the state highway. The state will contribute \$125,000 and the city and county the balance, or \$200,000.

SAN JOSE, Santa Clara Co., Cal.—William Radtke, Gilroy, at \$13,987 awarded contract by Santa Clara County Supervisors to construct reinforced concrete bridge and a culvert on the Hecker Highway in Supervisor District No. 1. Following is a complete list of bids:

Wm. Radtke, Gilroy	\$13,987
Thermotte Const. Co., San Jose	17,995
Collins & Martin, San Jose	21,620
Neves & Harp, Santa Clara	21,648
Oberg Bros., San Jose	21,957
J. D. Carlson, San Jose	22,740
R. L. Oakley	23,475
A. J. Ralsch, San Jose	24,390
Mission Concrete Co., S. F.	26,650
San Jose Paving Co., San Jose	27,295
Engineer's estimate	23,000

SAN JOSE, Santa Clara Co., Cal.—Collins & Martin, San Jose, at \$3,059 awarded contract by county supervisors to construct three reinforced concrete culverts on Madrone Avenue, Orchard Avenue and Palm Avenue, in Supervisor District No. 1. Following is a complete list of bids:

Collins & Martin, San Jose	\$3,059
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Wm. Radtke, Gilroy	3,200
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John Williams, San Jose	3,220
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Thermotte Const. Co., San Jose	3,583
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Nelson Bros., San Jose	3,600
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J. D. Carlson, San Jose	4,315
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S. Scario, San Jose	4,364
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A. Soda & Sons, Oakland	4,962
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Oberg Bros., San Jose	5,700
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SEATTLE, Wash.—General Const. Co., Coleman Bldg., Seattle, at approximately \$200,000 awarded contract by Northern Pacific Railway to construct the substructure of the new steel and concrete bridge over the Duwamish Waterway. The superstructure contract, including fabrication and erection of the steel, is held by the Wallace Bridge & Structural Steel Co., Seattle. Approximately 800 tons of steel are involved in the contract. The bridge will be of the steel bascule type, having a horizontal clearance of 150 feet.

DREDGING, HARBOR WORKS & EXCAVATIONS

MONTREY, Monterey Co., Calif.—Until August 18, 7 P. M., bids will be received by Clyde A. Dersy, city clerk, for the El Estero dredging project involving the moving of approximately 80,000 cu. yds. of dirt and mud; estimated cost, \$8,000. Specifications on file in office of city clerk.

MONTREY, Monterey Co., Calif.—Guy F. Atkinson, Russ Bldg., San Francisco, submitted low bid at \$132 per ton to the U. S. Engineer Office, Customhouse, San Francisco, for furnishing stone and constructing breakwater at Monterey Bay. Project involves: Furnish and place 200,000 tons of stone, as follows:

- (1) 300 to 500 pounds;
- (2) 50% 2-tons each;
- (3) 5 tons or over;
- (4) 10 tons or over.

Following is a complete list of bids: Guy F. Atkinson, Russ Bldg.,

San Francisco	\$1.92
T. E. Connolly, San Francisco	2.10
Kern & Kibbee, Portland, Ore.	2.17
Standard Dredging Co., L. A.	2,237.5
Healy-Tibbitts Const. Co., S. F.	2,287.5
Geo. Pollock Co., Sacramento	2,474
Merritt, Chapman & Scott, San Pedro	2,475
J. M. Sommer, S. F.	2.63
Carl B. Kempe	2.69
Daniels Contracting Co., S. F.	2.33
Siems-Helmets Co., S. F.	3.14
Engineer's estimate	2.69

All bids held under advisement.

SANTA MONICA, Los Angeles Co., Calif.—City contemplates bond issue to secure funds to finance construction of a breakwater to enclose approximately 5,400,000 sq. ft. of protected water area.

RICHMOND, Contra Costa Co., Calif.—Until September 11, 3 P. M., bids will be received by U. S. Engineer Office, Customhouse, San Francisco, for dredging in Richmond Harbor. Project involves 855,680 cubic yards. Spec. obtainable from above office.

IRRIGATION PROJECTS

AREBUCKLE, Colusa Co., Calif.—Seventy-five land owners in the Arbutuckle and Colgate City section, at a recent mass meeting voted to proceed with the formation of an irrigation district to vote bonds to finance construction of irrigation works, including a system of pumping plants and ditches to take water from Sycamore Slough for the irrigation of 26,000 acres of land. Fred H. Tibbitts, engineer, Alaska Commercial Bldg., San Francisco. The cost of the irrigation works is set at \$720,000. 2

STREET LIGHTING SYSTEMS

BURLINGAME, San Mateo Co., Calif.—Petitions are being circulated by property owners urging city council to install electrolux system in California Drive, between Broadway and Burlingame Ave. It has not been determined whether single or double light standards will be installed.

OKLAND, Cal.—City Engineer W. N. Frickstad has completed plans for ornamental street lighting system in E 14th St. from 22nd Ave. to High St., to be financed under an assessment district; estimated cost, \$56,390. Involves approximately 13,588 ft. frontage at \$4.15 per ft.

MACHINERY AND EQUIPMENT

SAN MATEO, San Mateo Co., Calif.—Until August 20, 8 P. M., bids will be received by John D. Bromfield, clerk, San Mateo Union High School District, to furnish and deliver one new Dexter Pony Press Swingback Suction Pile Feeder, or equal. This machine must be guaranteed to operate efficiently with a Miehle Pony Press. Bids for one used Dexter Pony Press Swingback Suction Pile Feeder, or equal, will also be received. This machine must be guaranteed to operate efficiently with a Miehle Pony Press. Further information obtainable from the clerk.

SIMI, Ventura Co., Calif.—Until 8 P. M., Aug. 24, bids will be received by the Simi Valley Union grammar school for the purchase of one Ford 1½-ton chassis and a P. & C. bus body. Bidders to make allowance for one 1922 Moreland school bus. F. E. Bagnall, clerk.

HUMBOLDT COUNTY, Cal.—Until August 23, 2 P. M., bids will be received by W. H. Pierce, superintendent of equipment, Shop No. 1, State Highway Commission, Eureka, for the purchase of the following equipment no longer required:

- CHC 1951, Clark Tractor with 1 yd dump body.
- CHC 2446, Kleiber, 1½-ton truck chassis with cab.
- CHC2, Elevator, 30 ft. Bucket, single chain.
- CHC 4, Scraper, Washington Bottomless ½ yard.
- CHC 7, Scraper, Sauerman Crescent ½ yard.
- CHC 25, Shovel, Universal ¼ yd. gasoline power, Fordson unit full crawler.

Bidder may make offers for one or more items but must state price offered for each item. No lump sum bids will be considered.

All equipment may be inspected at the Division of Highways yards at Eureka, from 8:30 A. M. to 4:30 P. M. on any working day, with the exception of CHC 2, Elevator, and CHC 4, Scraper, which may be inspected at the Division of Highways yards at Willits.

SPARKS, Nevada.—Until August 24, 8 P. M., bids will be received by W. S. Allen, city clerk, to furnish and deliver equipment for City Departments, as follows:

Fire Apparatus—one triple combination 500-gal. pumper, water tank and hose truck.

Fire Hose—500 ft. 2½-inch double jacket fire hose.

Utility Truck—one and one-half-ton truck, chassis, cab and body.

Dump Truck—One 3-yard capacity dump truck, complete with cab, dump, hoist and body.

Grader—one 10-ft. blade leveling wheel grader with scarifier attaching.

Roller—one 10-ton four cylinder gas roller.

Rock Crushing Plant—one one-piece portable rock crushing plant with feeder, feed conveyor, rock crusher, bucket elevator, revolving screen, delivery conveyor and bin of at least 20-yd. capacity; 14-in. leg type. Entire unit, except bid, to be mounted on chassis. Crusher to be not less than 9 by 16 inches; capacity not less than 70 cubic yards per 8 hours.

Detailed specifications are obtainable from the city clerk. Certified check 5% required with bid.

HOLTVILLE, Imperial Co., Calif.—Until 8 P. M., Sept. 8, bids will be received by the Holtville Union high

school district for furnishing 1 school bus complete. C. L. Shaw, clerk.

TUCSON, Ariz.—Until Aug. 24, 4 P. M., bids will be received by R. E. Butler, city manager, to furnish one hydraulic tarth boring machine, suitable for boring under pavement, buildings or other obstruction, for installation of water service pipes. Must be equipped with reversible air motor. Must be able to bore holes of a diameter from 2½-in. to 5-in. Machine to be completely equipped with all necessary accessories, including 60 ft. boring bar, in sections. Paul E. Fernald, city engineer.

BUTTONWILLOW, Kern Co., Calif.—Until August 27, 7:30 P. M., bids will be received by P. A. Dunford, clerk, Buttonwillow Union School District, to furnish and deliver one school bus, to accommodate approximately 40 students. Same is to be mounted on 157-in. wheel base truck chassis equipped with 50-hp. 6-cylinder valve in head motor, complete with safety appliances. The price is not to exceed \$2,300. Further information obtainable from clerk.

FIRE ALARM SYSTEMS

SAN LEANDRO, Alameda Co., Calif.—City Improvement Co., 2055 Center St., Oakland, at \$323 submitted lowest bid to City Council to install electric signals at East 14th St. and Davis and East 14th St. and Dutton Avenue. Following is a complete list of bids: City Imp. Co., Oakland, \$323; Butte Elec. Mfg. Co., S. F., \$916; Eagle Signals Sales Corp., \$941; Pacific Electric Motor Co., \$983. Bids under advisement until August 10th.

SACRAMENTO, Cal.—City Manager Jas. Dean will seek appropriation of \$10,000 in 1931-32 budget to finance installation of ten traffic lights in the downtown district.

SAN JOSE, Santa Clara Co., Calif.—City council rejects bids to furnish wireless receiving equipment for police department automobiles and equipment will be purchased in the open market. John J. Lynch, city clerk.

SAN LEANDRO, Alameda Co., Calif.—City council takes under further advisement, bids to install electric traffic signals at E 14th St. and Davis St. and E 14th St. and Dutton Ave. As previously reported City Imp. Co., 2055 Center St., Oakland, submitted the low bid at \$323. The bids will be considered further at the Aug. 19 meeting.

FIRE EQUIPMENT

CALIFORNIA.—Dr. J. M. Toner, state director of institutions, Sacramento, announces \$25,000 will be expended in the purchase of motor-driven fire engines and apparatus to replace antiquated equipment at state institutions.

SAN FRANCISCO.—Until August 24, 3 P. M., under Proposal No. 748, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish cotton, rubber lined, fire hose for San Francisco Fire Department, as follows:

- 2,000 ft. 3½-in.;
- 16,000 ft. 2½-in.;
- 5,000 ft. 1½-in.

Specifications obtainable from City Purchasing Agent.

SAN GABRIEL, Los Angeles Co., Cal.—Pioneer Rubber Mills, 822 East 3rd St., Los Angeles, awarded contract

by city council at \$1.10 for furnishing 500 ft. of Golden State brand 2½-inch fire hose. The other brands bid on by this firm were: Underwriters 50c, Senator 75c, Western 75c, Battleship \$1. The other bids were:

Eureka Fire Hose Co.—Trojan \$1.15, Modland, \$1.10, Southern \$1, Premier, 95c.

Ducommun Corp.—Graton & Knight "310" \$1.30, "300" \$1.20, "324" \$1.

Pacific Goodrich Rubber Co.—White King \$1.20, Chieftain \$1.05, Jupiter 95c, B. F. G. 80c.

American Rubber Co.—Crackerjack \$1.10, American \$1, Municipal 90c, Lighting, 80c.

Boston Woven Hose & Rubber Co.—Bay State \$1.05, Blue Line \$1, Special 85c, Underwriters 75c.

SPARKS, Nevada.—See item under "Machinery and Equipment" in this issue. Bids wanted by city council to furnish fire hose, fire pump, etc.

RESERVOIRS AND DAMS

MODESTO, Stanislaus Co., Calif.—City council proposes to use municipal funds in the construction of a weir dam in the Tuolumne river to provide for recreational purposes. By the terms of the will of the late T. K. Beard, Modesto pioneer, he bequeathed \$25,000 to the city for park improvement purposes, and it is the Council's contention a portion of this money can be used to construct the dam.

WENATCHEE, Wash.—Until Sept. 8 bids will be received by city council to construct reinforced concrete reservoir on N. Okanogan Ave.; estimated cost \$75,000; will have capacity of 4,000-gallons. Plans obtainable from Fred Sharkey, city engineer.

LONG BEACH, Cal.—City Engineering Department completes plans for \$290,000 storage reservoir for municipal water department; capacity 22,000,000-gallons. Early construction is contemplated.

LOS ANGELES, Cal.—Contracts for furnishing pumps, gasoline-driven generator plant, and miscellaneous electrical equipment for the Big Tujunga Dam No. 1 awarded by county supervisors as follows:

Proposal No. 1.—Pump and motor complete as a unit, f.o.b. site of Big Tujunga Dam No. 1, to Smith Booth Usher Co., 1910 Santa Fe Ave., at \$688.

Proposal No. 2.—One 10-k.v.a. gasoline-driven generator plant f.o.b. site of Big Tujunga Dam No. 1, to Smith Booth Usher Co., 1910 Santa Fe Ave., at \$1400.

Proposal No. 3.—One automatic transfer switch, complete, f.o.b. site of Big Tujunga Dam No. 1, to Cutler-Hammer, Inc., 569 S. San Pedro St., at \$296.

Proposal No. 4.—Miscellaneous electrical equipment for Big Tujunga Dam No. 1, flood lights, insulators, wire, friction table, solder, conduit, receptacles, etc., to Listenwaller & Gough, Inc., 827 E 1st St., at \$2709.55.

Bids were opened July 20.

IRVINE, Orange Co., Cal.—The Irvine Co., Irvine, Calif., plans to take bids within the next few weeks and to let a contract about the first of September for the construction of a dam at the head of Newport Bay. The proposed structure is planned to impound 14,000 acre feet of water and cost about \$140,000.

PIPE LINES, WELLS, ETC.

BAKERSFIELD, Kern Co., Calif.—Until August 24, 11 A. M., bids will be received by F. E. Smith, county clerk, for drilling a 12-inch well on the grounds of the Kern General Hospital.

Certified check or surety bond 10% payable to Chairman of the Board of Supervisors required with bid. Specifications obtainable from clerk.

RED BLUFF, Tehama Co., Cal.—R. B. Moore, Orland, awarded contract by city council to drill well in connection with municipal water system.

GILROY, Santa Clara Co., Calif.—Until Aug. 20, 8 P. M., bids will be received by E. F. Rogers, city clerk, for furnishing well casing and boring and sinking a well on lot No. 2 in blocks 3 and 4 north, Range 1 east of the city of Gilroy.

Alternate bids are invited for each of the following types of well, viz.:

1st. For a well 16 inches in diameter and cased with a double casing of 10 gauge iron;

2nd. For a rotary constructed type of well, the bore of which shall be 26 inches in diameter, the casing therein to be 16 inches in diameter and be of perforated 10 gauge iron and the space between the casing and the outer edge of the bore to be filled with broken rock and coarse gravel.

Bidders will describe the type of well proposed to be furnished, state the amount per foot, including casing, for the work of boring and constructing of each type of well.

Certified check 10% required with bid. Further information obtainable from city clerk.

SEWERS AND SEWAGE DISPOSAL PLANTS

SAN FRANCISCO.—Until August 12, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to sewer Alameda Street bet. Bryant St. and Treat Ave. Project involves:

- (1) 440 lin. ft. 15-in. V.C.P. sewer;
- (2) 6 15x8-in. Y or T branches;
- (3) 3 brick manholes.

Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from Bureau of Engineering, 3rd floor, City Hall.

PITTSBURG, Contra Costa Co., Cal.—Residents in suburbs west of Pittsburg, at a mass meeting last week, abandoned the proposal to organize a sanitary district to finance construction of a sewer system. The project, as outlined in tentative plans, would involve an expenditure of between \$150,000 and \$250,000. A. P. Enes, head of the sub-division bearing his name, was leader in the movement for the sewer system.

INGLEWOOD, Los Angeles Co., Cal.—Until Aug. 24, 8 P. M., bids will be received by Otto Duellke, city clerk, to construct storm drain in Industrial Ave. bet. Edgewood St. and Ivy Ave. 1911 Act. Bond Act 1915. Project involves in the main 1,684 ft. 78-in. 195 ft. 24-in., and 38 ft. 12-in. lb. medium reinforced concrete pipe; 16 ft. 8-in. class B c. i. pipe; 312 cu. yds. concrete for saddle for 78-in. pipe, etc. Plans obtainable from Willis S. Pfeffer, city engineer.

LAGUNA BEACH, Orange Co., Cal.—Currie Eng. Co., Anderson Bldg., San Bernardino, has submitted a report to the city council on the proposed sewer system and sewage disposal plant.

REDLANDS, San Bernardino Co., Cal.—Currie Eng. Co., Anderson Bldg., San Bernardino, has been retained by the city trustees as consultant with the city engineer in the design of the proposed sewage treatment plant.

HOLLISTER, San Benito Co., Cal.—City Engineer A. M. McLeskey preparing plans for approximately 4,000 ft. of 16-inch concrete storm sewer out the San Juan Road to the San Benito River to take off storm waters on recently paved streets.

SAN RAFAEL, Marin Co., Calif.—County supervisors will start proceedings at once to construct a modern sewer system in the Homestead district. Robert Stanton, secretary of the newly organized Homestead Sanitary District, informed the supervisors last Monday that he was doubtful of the district voting bonds to finance construction of the system. The supervisors then ordered that the county start proceedings for construction.

WATER WORKS

LOS ANGELES, Calif.—The Huber Co., 9317 S. Alameda St., submitted the low bid to the county supervisors August 10 at \$11,475 for furnishing and erecting an automated step soft water storage tank at the Los Angeles General Hospital, 1100 Mission Road. The bid was (A) \$13,522 and (B) \$11,475. The other bids were:

Chicago Bridge & Iron Works—(A) \$15,610; (B) \$12,413.

Pittsburgh—Des Moines Steel Co.—(A) \$16,300 (B) \$13,050.

Consolidated Steel Corp.—(A) \$16,750 (B) \$13,450.

SAN DIEGO, Calif.—R. E. Hazard Contracting Co., 2548 Kettner Blvd., awarded contract by city purchasing agent for 1900 ft. of 16-in. class C sand cast iron pipe. The price was \$2.48 ft. delivered city yards and \$2.43 f.o.b. bidder's yard.

BURLINGAME, San Mateo Co., Cal.—City Purchasing Agent Frank Bloom authorized by city council to ask bids to furnish and install new booster pump at Brewer Reservoir; estimated cost \$1,700. Specifications obtainable from city purchasing agent.

REDWOOD CITY, San Mateo Co., Cal.—Until August 17, 3 P. M., bids will be received by B. E. Myers, city clerk, to furnish f.o.b. Redwood City, redwood staves, metallic tongues, naval bronze bands and shoes in sufficient quantity to construct 400 lineal feet of continuous pipe. Certified check 10% payable to city required with bid. Specifications obtainable from C. L. Dimmitt, city engineer.

LOS ANGELES, Cal.—Thos. Oughton, city purchasing agent, rejects bids to install filtration system in connection with swimming pool for the Olympic games. New bids will be asked for under the old Specifications No. 2561.

LOS ANGELES, Cal.—Until August 28, 11 A. M., bids will be received by Thos. Oughton, city purchasing agent, to furnish under Specifications No. 2577 for water and power department:

- (1) 12 24-in. square bottom type flanged end, paralleled steel, double disc, non-rising stem gate valves without by-pass, f. o. b. department of water and power warehouse, 410 Ducommun St. or Hewitt St. spur, A. T. & S. F. R. R.

- (2) 2 48-in. round bottom type, flanged end, paralleled end, double disc, horizontal, bevel geared gate valves without by-pass, f. o. b. department of water and power warehouse, Aetna and Vesper Sts., Van Nuys or S. P. train track, Van Nuys.

Alternate (2) alternate bids will be received on item (2) for square bottom type.

OAKLAND, Cal.—Until August 28, 8 P. M., bids will be received by John H. Kimball, secretary, East Bay

Municipal Utility District, 512 Sixteenth St., to furnish approximately 30,000 ft. 3-inch seamless copper tubing. Specifications (No. 18 500 obtainable from Room 33, 512 16th St.

SACRAMENTO, Cal.—Dixon Bauxite Co., Sweet Home, Arkansas, at \$15.50 per ton submitted only bid to City Council to furnish 200 tons of Bauxite for Filtration Division. Bid held under advisement until Aug. 10.

SACRAMENTO, Cal.—Raymond Concrete Pipe Co., Hunter-DuIn Bldg., San Francisco, at \$.65 per lin. ft. submitted lowest bid to City Council to furnish and drive 1870 composite or treated timber piles for the new Pretreatment works at the Municipal Filtration Plant, involving 93,500 lin. ft. Following is a complete list of bids:

Raymond Concrete Pipe Co., San Francisco, \$.65 per lin. ft.
Geo. Pollock, Sacramento, \$.663 per lin. ft.

Western Foundation Co., Chicago, Ill., \$.675 per lin. ft.

Lindgren & Swinerton, Inc., Sacramento, \$.685 per lin. ft.

Duncanson-Harrelson Co., San Francisco, \$.685 per lin. ft.

M. E. McGowan, San Francisco, \$.79 per lin. ft.

SAN FRANCISCO—See "Miscellaneous Building Construction," in this issue. Bids wanted by Board of Public Works for hauling cement, sand and gravel in connection with the Hetch Hetchy aqueduct.

TUCSON, Arizona—Until August 24, 4 P. M., bids will be received by R. E. Butler, city manager, to furnish one Wallace & Tiernan type MSVM vacuum type solution feed chlorinator, or its equal, and one Wallace & Tiernan orifice type MDWA ammonia apparatus, or its equal. Early delivery desired. Paul E. Fernald, city engineer

PURPOSES AND PARKS

PITTSBURG, Contra Costa Co., Cal.—City Manager Geo. T. Oliver is investigating prospective sites on which to locate three new playgrounds.

STREETS AND HIGHWAYS

OAKLAND, Cal.—Lee J. Immel, 1031 Evelyn St., Berkeley, at \$6,581.79 (engineer's estimate \$7,699) awarded contract by city council to improve portions of Brann St. and 64th Ave., involving: 2038 cu. yds. excavation, 340; 134 lin. ft. concrete curb, \$.40; 2871 sq. ft. concrete gutter, \$.20; 22,927 sq. ft. penetration macadam pave., \$.12; 5047 sq. ft. cement sidewalk, \$.15; 448 lin. ft. 18-in. plain concrete pipe conduits, \$.2; 67 lin. ft. 12-in. do., \$.150; 2 storm water inlets (Type A), \$.30; 1 storm water inlet (21-in. opening), \$.30; 1 manhole with inlet top (21-in. opening) \$.50; 1 12-in. lamphole, \$.10.

Complete list of unit and total bids on this work published in issue of July 30.

PALO ALTO, Santa Clara Co., Cal.—City council has started proceedings to widen and improve Ramona Street bet. Forest and Hamilton Aves., involving cutting down sidewalk width and installing electroliners. Estimated cost, \$5,000. J. F. Byxbee, Jr., city engineer.

TEHAMA COUNTY, Cal.—Baker & Taylor, Bieber, Cal., at \$87,895 awarded contract by U. S. Bureau of Public Roads to grade Section B, Deer Creek National Forest Highway, Route 21, in Lassen National Forest, 3.66 miles in length. Complete list of unit and total bids published in issue of July 10.

SALINAS, Monterey Co., Cal.—Until August 26, 10 A. M., bids will be received by C. F. Joy, county clerk, to surface Pacific Grove-Carmel Road in Supervisor District No. 5. Specifications obtainable from County Surveyor Howard Cozzens on deposit of \$10, returnable.

PACIFIC GROVE, Monterey Co., Cal.—City council has started proceedings to improve various streets, plans for which will be prepared by City Manager Erwin Dames. Streets to be improved include:

First St.—Asphaltic concrete from Lighthouse to Pine.

Fifth St.—Oil macadam from Lighthouse to Pine.

Sixth St.—Oil macadam from Lighthouse to Pine.

Laurel Ave.—Asphaltic concrete from city limits to 6th St.

Pine Ave.—Asphaltic concrete from city limits to 19th St. The street will be paved the entire width.

Seventeen Mile Drive—Asphaltic concrete from Sinex to the city limit.

Municipal St.—Asphaltic concrete from Sinex to Oak St.

Oak St.—Asphaltic concrete from Municipal to Dennet St.

Dennet St.—Asphaltic concrete from Oak to Jewell St.

SAN FRANCISCO—Until August 26, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, for drainage and surfacing Joost Avenue Slide between Acacia and Baden Sts., adjoining Monterey Blvd. Estimated cost \$6,000. Project involves:

- (1) 1300 cu. yds. excavation, hauled away;
- (2) 300 cu. yds. embankment;
- (3) 100 cu. yds. rubbish excavation;
- (4) 4000 sq. yds. clearing and grubbing;
- (5) 4000 sq. yds. sloping and oil surf.;
- (6) 24 hours furnish and operate 6-horse road plow with operator;
- (7) 40 hrs. furnish and operate, with operator 60-hp. Caterpillar tractor with bulldozer, McCillan scraper, blader and scarifier;
- (8) 120 lin. ft. 12-in. perforated corrugated metal pipe drain in trench, 12 to 16 ft. deep;
- (9) 300 lin. ft. 12-in. perforated corrugated metal pipe drain in trench not over 12 ft. deep;
- (10) 200 lin. ft. 8-in. perforated corrugated metal pipe drain in trench not over 12 ft. deep;
- (11) 800 lin. ft. 8-in. corr. culvert;
- (12) 5 brick or conc. manholes complete;
- (13) 4 wooden manholes with concrete inverts;
- (14) 40 lin. ft. concrete curb reset;
- (15) 75 lin. ft. 3x12-in. redwood curb;
- (16) 600 sq. ft. 8-in. macadam base with emulsified asph. wearing surface;
- (17) 3500 sq. ft. 4-in. macadam walk with emulsified asph. wearing surface;
- (18) 100 lin. ft. 3-ft. 6-in. standard wood fence;
- (19) 2 storm water inlets;
- (20) 10 cu. yds. extra rock backfill.

Certified check 10% payable to clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineering, 3rd floor, City Hall, on deposit of \$10, returnable.

MENLO PARK, San Mateo Co., Cal.—C. W. Wood, P. O. Box 1435, Stockton, at \$32,272 awarded contract by city council to improve Arbor Road and other streets, involving grading; 192,073 sq. ft. 2-in. emulsified asphalt surface pavement on 4-in. waterbound rock base, curbs, walks, etc. A complete list of the unit bids are on file in office of Daily Pacific Builder and will be published in tomorrow's issue.

YUBA CITY, Sutter Co., Cal.—City Engineer Edward von Geldern preparing plans to widen east side of Plumas St. from Teegarden to Sumner Streets.

SAN JOSE, Santa Clara Co., Cal.—Until August 31, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to construct a wire fence on the Junipero Serra Boulevard in Supervisor District No. 5 (being proposed highway through Stanford University campus), approximately six miles in length. Specifications on file in office of the county clerk and obtainable from Robt. Chandler, county surveyor.

PALO ALTO, Santa Clara Co., Cal.—O. V. Freeman, 135 Churchill Street, Palo Alto, at \$44,505.24 awarded contract by city council to improve portions of Amherst and Cedar Streets, Channing, Grant, Harker and Hopkins Aves., Marlowe St., Palo Alto Ave., Pine St. and Ruthven Ave. See complete list of unit and total bids received on this project in separate bid listing on page five of this issue.

TEHAMA COUNTY, Calif.—W. C. Colley, 35 Northampton Road, Berkeley, at \$70,662 awarded contract by U. S. Bureau of Public Roads to grade Section A, Route 79, Morgan Summit-Morgan Springs National Forest Highway, Lassen National Forest, Tehama County, 3.717 miles in length. Complete list of unit and total bids published in issue of July 11.

RICHMOND, Contra Costa Co., Cal.—City council declares intention (485) to improve Hall Ave. and a portion of 14th St. between Cutting Blvd. and Hall Ave. Estimated cost \$78,000. Project involves:

- (1) 15,000 cu. yds. excavation;
- (2) 6,900 cu. yds. filling;
- (3) 145,000 sq. ft. 2-in. asph. concrete wearing surface on 8-in. cement concrete base on 4-in. broken rock cushion;
- (4) 6,600 sq. ft. cem. conc. sidewalks;
- (5) 4,700 sq. ft. cem. conc. gutters;
- (6) 2,350 lin. ft. cem. conc. curbs;
- (7) 50 lin. ft. curb bar;
- (8) 5 tons asphalt concrete wearing surface;
- (9) 6 catchbasins "A", complete;
- (10) 4 catchbasins "B", complete;
- (11) 10 10-in. vit. sewer pipe tees;
- (12) 280 lin. ft. 10-in. vit. sewer pipe culvert;
- (13) 214 lin. ft. 8-in. corrugated iron culvert;
- (14) 1 twin 2x3-ft. reinforced cement concrete culvert, complete;
- (15) 75 cu. yds. concrete for soft spots.

Work under 1911 Act. Bond Act 1915. Hearing August 24. A. C. Faris, city clerk. E. A. Hoffman, city engineer.

GILROY, Santa Clara Co., Calif.—City council declares intention (12-1931) to improve portions of Martin Lane, Monterey St., Casey St., Leavessley Road, involving asphalt concrete paving; cem. conc. curbs, gutters and sidewalks; storm water sewers with catchbasins, manholes and appurtenances. 1911 Act. Bond Act 1915. Hearing August 27. E. F. Rogers, city clerk. Raymond W. Fisher, engineer, 74 N First St., San Jose.

RIO VISTA, Solano Co., Cal.—Until August 18, 3 P. M., under Order No. 3641-1848, CLR, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to furnish and deliver f.o.b. Rio Vista, 350 cubic yards untreated rock for road surfacing. Specifications and further information obtainable from above office.

SANTA CRUZ, Santa Cruz Co., Cal.—Until August 24, 2:30 P. M., bids will be received by H. E. Miller, county clerk, for resurfacing San Lorenzo River Drive from Boulder Creek to Waterman Gap in the San Lorenzo Road District. Certified check 10% required with bid. Plans obtainable from Lloyd Bowman, county surveyor, on payment of \$3.

SAN ANDREAS, Calaveras Co., Cal.—Until August 20, 2 P. M., bids will be received by John Squellati, county clerk, for oiling and surfacing 10 miles of roadway extending from the town of Valley Springs to the county line on the Valley Springs-Bellota Road. Certified check 10% required with bid. Plans on file in office of the clerk at San Andreas.

SACRAMENTO, Calif.—City council declares intention (2309) to improve alley between U, 4th and 5th Sts., involving c. i. gutter drains with sewer connections; vit. ironstone pipe sewers; reconst. manhole; install 1-in. water main connections; grading; hyd. cem. pavement; conc. curb. 1911 Act. Bond Act 1915. Hearing August 17. H. G. Denton, city clerk. F. J. Klaus city engineer.

FAIRFAX, Marin Co., Calif.—City trustees have started proceedings to widen the main streets within the town limits and place power and telephone lines underground.

ALAMEDA COUNTY, Cal.—Standard Road Planning Co., 1010 Bond of Trade Bldg., Los Angeles, at \$4,400.22 submitted low bid to Jno. H. Skeggs, district engineer, State Highway Commission, San Francisco, to improve 9.4 miles between the easterly boundary and Greenville, involving existing asphaltic concrete surface to be planned

SAN FRANCISCO—Bureau of Engineering, Department of Public Works, 3rd Floor, City Hall, preparing plans for resurfacing with clay and appurtenant work the Golden Gate Park Stadium race track. Estimated cost, \$3,000. Bids for this work will be asked in the immediate future.

SANTA CLARA, Santa Clara Co., Cal.—City council has ordered plans prepared for resurfacing Franklin St. from Lincoln to Grant Streets. Geo. Sullivan, city engineer.

SALINAS, Monterey Co., Cal.—City council declares intention (98) to improve portions of Maple St., involving grading; hyd. cem. conc. curbs, gutters, sidewalks; 5-in. hyd. cem. conc. pavement. 1911 Act. Bond Act 1915. Hearing August 24. M. R. Keef, city clerk. Howard Cozens, city engineer.

SALINAS, Monterey Co., Cal.—City council declares intention (97) to improve National St. bet. Central Ave. and Park St., involving grading; hyd. cem. conc. curbs, sidewalks; 5-in. hyd. cem. conc. pavement. 1911 Act. Bond Act 1915. Hearing August 24. M. R. Keef, city clerk. Howard Cozens, city engineer.

SALINAS, Monterey Co., Cal.—City council declares intention (98) to improve California St. bet. Gabilan and Lake Sts., involving grading; hyd. cement conc. curbs, sidewalks; 5-in. hyd. cem. conc. pavement. 1911 Act. Bond Act 1915. Hearing August 24. M. R. Keef, city clerk. Howard Cozens, city engineer.

MONTEREY COUNTY, Cal.—W. A. Dintanville, Salinas, at \$3,461.45 submitted low bid to L. H. Gibson, district engineer, State Highway Commission, San Luis Obispo, to grade and surface with crusher run base and

a bituminous surface treatment applied, a connection from the State Highway to the county road at the Spence Underpass.

SANTA MARIA, Santa Barbara Co., Calif.—City council has started proceedings to improve North and South McClelland Streets, about 10 blocks in all, involving asphalt concrete pavement. Work will be done under 1911 Act.

BERKELEY, Alameda Co., Calif.—Hutchinson Co., 1450 Harrison Street, Oakland, at \$792 awarded contract by city council to reconstruct pavement at SE corner of McGee Ave. and Hopkins Street.

EUREKA, Humboldt Co., Cal.—Mercer-Fraser Co., Eureka, at \$1.63 cubic yard, awarded contract by city council to furnish 1,000 cu. yds. gravel for use in street improvements. W. S. Poyfare only other bidder at \$2.05 cu. yd. delivered.

MENLO PARK, San Mateo Co., Cal.—City council has started proceedings to improve Doyle and Curtis Streets and Hermosa Way. Bert J. Mehl, city engineer.

ELKO COUNTY, Nevada—A. D. Drumm Jr., Fallon, Nevada, at \$29,623.85 submitted low bid to State Highway Commission, to furnish, heat and apply asphaltic fuel oil and mix it with a crushed rock or crushed gravel surface on 16.85 miles bet. 4 miles east of Silver Zone and Wendover, Rt. 4, Section G-1, involving: 395,601 gals. asph. fuel oil applied to roadway surface; 16.85 miles mixing asphaltic fuel oil with crushed rock or crushed gravel surface; 16.85 miles rebuilding and finishing shoulders.

NOTE: The oil shall be delivered at the following railway sidings and in the quantities shown: Proctor Siding, 202,494 gals.; Wendover Siding, 193,107 gals. Average haul on entire contract, 5.01 miles. Engineer's estimate \$35,538.06.

Complete list of bids follows:
A. D. Drumm Jr. \$29,623.85
Basalt Rock Company 30,504.52
U. B. Lee 30,752.25
Jack Casson 31,997.16
Dodge Brothers 35,330.06
Nevada Rock & Sand Co. 36,965.07

SAN LUIS OBISPO COUNTY, Cal.—Henry C. Daleesi, San Luis Obispo, at \$8025.50 submitted low bid to L. H. Gibson, district engineer, State Highway Commission, San Luis Obispo, for grading and surfacing with bituminous macadam, 0.6 miles between Hathaway Ave. and the California Polytechnic School.

SAN FRANCISCO—Pacific Pavement Co., 12 Oak Grove Ave., San Francisco, awarded contract by City Purchasing Agent, under Proposal No. 738, to furnish red rock screenings for Park Commissioners, as follows: 5000 cubic yards red rock screenings; to be crushed from the red rock indigenous to San Francisco; free from clays, loam, sand or other foreign ingredients; to pass a 3/4-inch square mesh and to be retained on a No. 10 mesh; i. o. b. Main Drive at Twenty-fourth Ave., Golden Gate Park, at \$1.38 per yard.

SAN FRANCISCO—Leonard E. Leavy, city purchasing agent, 270 City Hall, rejects bids received July 6, under Proposal No. 738, to furnish clay for stadium improvements in Golden Gate Park.

WALNUT CREEK, Contra Costa Co., Cal.—Hutchinson Co., 1450 Harrison St., Oakland, at \$4229.77 awarded contract by city trustees for grading

and paving with oil macadam and constructing subcut in Oakland Blvd. from Lafayette Blvd. to a point 100 ft. west of the San Francisco-Sacramento R.R. tracks, etc. Other bids: S. M. McGraw, \$4993.70; Lee J. Hornet, \$4895.50.

SANTA BARBARA, Cal.—Santa Maria Constr. Co., Santa Maria, awarded contract by State Highway Commission at \$4200 for highway oiling in Santa Barbara County, between Gaviota Pass and Zaca, about 6.1 miles in length, to be treated with heavy fuel-oil on each side of the existing pavement.

EL DORADO COUNTY, Cal.—C. E. Reed, Tracy, at \$12,745 awarded contract by State Highway Commission to surface with bituminous treated crushed rock, 3.2 miles between 14-Mile Stone and Fresh Pond. Complete list of unit and total bids published in issue of August 4.

SAN FRANCISCO—Until August 11, 10 A. M., under Circular No. 928-32-32, bids will be received by Quartermaster Supply Officer, General Depot, Ft. Mason, to furnish and deliver 200 drums liquid road asphalt, 50% "E" grade, 150-200 penetration. To be equal and similar to "Bitumuls H" as manufactured by American Bitumuls Co., or "Colas" as manufactured by Shell Oil Co. To be packed in approximately 55 gallon drums suitable for export shipment.

MADERA COUNTY, Cal.—J. G. Donegan, 4031 Goodwin Ave., Los Angeles, at \$131,976 awarded contract by U. S. Bureau of Public Roads for grading Section C of Route 47 of the Oakhurst National Forest Highway in the Sierra National Forest in Madera County, 6.139 miles in length. Complete list of unit and total bids received on this project published in issue of July 17.

SISKIYOU COUNTY, Cal.—Until August 27, 2 P. M., bids will be received by U. S. Bureau of Public Roads, 461 Market St., San Francisco, for grading Section C of Route 77, Mt. Shasta-Mt. Lassen National Forest Highway in the Shasta National Forest, Siskiyou County, 12.450 miles in length, involving:

- (1) 23 acres clearing;
- (2) 142,000 cu. yds. unclassified evacuation;
- (3) 1057 cu. yds. unclass. excav. for structures;
- (4) 40,500 sta. yds. overhaul;
- (5) 12,423 miles finish earth graded road;
- (6) 62.5 M. B. M. bridge timber in place;
- (7) 3338 lin. ft. corr. metal pipe;
- (8) 5300 cu. yds. subgrade reinf. materials;
- (9) 20 R-W monuments;
- (10) 350 sq. yds. bituminous wearing surface.

Plans obtainable from C. H. Sweetser, district engineer, 461 Market St., on deposit of \$10, returnable, checks for same to be made payable to the Federal Reserve Bank of San Francisco.

SANTA ROSA, Sonoma Co., Cal.—Road Improvements and new highway construction to be undertaken by the county during the fiscal year 1931-32 will involve an expenditure of \$629,373, according to budget estimates. Of this amount, the first district will get, under the proposed budget, \$112,600; the second, \$119,823; the third, \$128,580; the fourth, \$126,330; the fifth, \$142,540. In the third district, that portion of the county adjacent to Santa Rosa, Supervisor Ferguson plans the construction of a Mark West creek bridge at Woodsey sta-

tion, costing \$5000; a new Warm Springs bridge, to cost \$2000, and a new Laguna bridge, to cost \$6000. A total of twenty-two miles of oil surfacing also is planned. This will virtually "clean up" all the roads in the Santa Rosa territory.

Bidding will be done as follows: Windsor-Alexander road, 6.20 miles; Borsodi road, 2 miles; Bennett Valley, 5.50 miles; Jones road, 2 miles; Barham Ave., ½ mile; South Park roads, 2 miles; Phillips Ave., 1 mile; Windsor-Shiloh road, 2.4 miles; Butler Ave., four-tenths of a mile.

TULARE, Tulare Co., Calif.—City council declares intention (150) to construct cement concrete gutters in both sides of North J St. between San Joaquin St. and Bush St. 1911 Act. Hearing Sept. 2. C. A. Paulden, city clerk.

SAN BENITO COUNTY, Calif.—Granite Const. Co., Watsonville, at \$5,584 awarded contract by State Highway Commission for oil treatment existing shoulders on 3.17 miles between 1½ miles north of San Juan Bautista and the Pajaro river. Project involves 2200 bbls. heavy fuel oil in place.

CARMEL, Monterey Co., Cal.—W. A. Dontanville, Salinas, at \$11,120.15 submitted low bid to city council (502) to improve Mission St. bet. Ocean and Eighth Aves., involving grading, monolithic hyd. cement conc. curbs and gutters, waterbound macadam pavement consisting of local quarried material, hyd. cement concrete catch basins, corr. iron pipe culverts, hyd. cement concrete storm sewer pipe, 24-inch and 30-inch dia. Cozzens & Davies, engineers, Salinas. Complete list of bids, taken under advisement until August 12, follows:

W. A. Dontanville.....	\$11,120.15
M. J. Murphy, Oakland.....	11,124.10
Clark & Henery, S. F.....	13,544.03

NEW POLICY FOR GAS APPLIANCE SALES

Announcement by the American Gas Association of a new set of principles to guide its members in merchandising gas appliances has aroused great interest in the plumbing and heating industry, according to Domestic Engineering. The members of this association include most of the gas companies, the majority of whom for years have been selling gas burning appliances. Because of the fact that the utilities ignored sound merchandising practices, disregarded cost of considerable extent and enjoyed the advantages denied the independent plumbing and heating dealer, this merchandising policy built up steadily increasing antagonism.

This opposition took more definite form recently when Oklahoma and Kansas passed laws prohibiting the sale of merchandise by public utility companies. At least ten other states had such legislative bills introduced.

The new policy of the American Gas Association is being accepted by many dealers as an opportunity for restoring the sale of gas-burning appliances to a basis profitable for the independent dealer.

Western Batteries, Ltd., 1158 Folsom St., assembling batteries under the trade name of "States" and "Northwestern," will extend its operations to the manufacturing of a complete battery in the immediate future, with the exception of separators, covers and boxes. Covers, however, will be made in San Francisco by the United Rubber Company, it is announced by John Hogan, president of Western Batteries, Ltd.

STANFORD PRODUCTS IN NEW QUARTERS

Stanford Products, Ltd., has practically completed installation of machinery and equipment for the manufacture of Stanford Electric Clocks in all models and designs for both commercial and domestic purposes.

This new factory occupies one floor of 13,000 sq. ft. at 1663 Mission Street and is now employing 15 people. By August 15, plant officials expect to be in production, and it is contemplated that 150,000 clocks will be turned out the first year. To produce this number, 100 people will be employed. Capacity is 1,000 clocks a day.

The product is being manufactured after 16 months of development work, and it will contain a special spring motor to keep the clock running in emergency when the current is temporarily turned off. The clock in certain models is equipped with a device which indicates the day of the week and month, and this does not have to be regulated for a period of four years even though the number of days in the month varies, according to David S. Spector, president, who states that the company is completely financed. Wm. Brower is vice president and chief engineer, and S. N. Spector, secretary of the company.

SPOKANE FAVORS LOCAL ARCHITECTS

The Spokane County Commissioners of Washington state favor the plan of hiring private architects to prepare plans for county buildings, the Construction and Industry Committee of the Spokane Chamber of Commerce has been advised by Alvin Collin, chairman of the county board.

This statement was made when Archie Riggs, Spokane architect, declared that the preparation of plans for public buildings by city and county engineers was putting private draftsmen out of employment.

Riggs declared that \$6,000,000 in construction was spent in Spokane during the past six years, plans for which were prepared outside that city.

Wage rates in the building industry continue their steady upward trend begun in 1922 despite the present depression, according to an announcement by the National Industrial Conference Board sent broadcast throughout the country.

"The above statement," says Engineering News-Record is misleading. The board's findings are based on a tabulation of wage scales set by the various trades of the building industry and take no account of actual wages paid. This consideration is indicated in the explanatory statement which accompanied the board's opening announcement, but the explanation does not offset the false impression created by the original statement. Actual wages paid to laborers and mechanics in the building industry vary widely from the wage scales set up by the labor organizations. Everyone familiar with the construction industry is fully acquainted with this fact. An average of actual wages paid in more than 50 cities shows that in most instances the actual wages paid mechanics are about 20 per cent below the scale rate and the wages paid common labor are down at least 25 per cent below the scale rate. In view of these facts a statement such as that of the National Industrial Conference Board serves only to mislead the public into believing that the construction industry has not adjusted itself to the present depression."

HUDSON, SEATTLE ARCHITECT, BANKRUPT

Ben L. Moore, federal referee in bankruptcy at Seattle, has set Aug. 18 for a hearing on voluntary bankruptcy petitions filed by John S. Hudson, Inc., and John S. Hudson, Seattle architect. The petitions list liabilities of \$473,670.

Hudson's liabilities of \$344,962 include \$308,585 in secured claims and \$36,377 unsecured. The corporation lists but \$686.25 in assets against liabilities of \$327,707. Hudson's assets are given as \$1,600.

LOS ANGELES NAMES ENGINEERING BOARD

Creation of a permanent consulting board of engineers of five to serve as consultants during the construction of the proposed \$220,000,000 Colorado river aqueduct, is provided for in a resolution on file in the office of the Metropolitan Water District at Los Angeles.

The board will consist of three members of the engineering board of review, Thaddeus Merriman, A. J. Wiley and Richard R. Lyman, and two local engineers of "outstanding ability" to be named later. The aqueduct is to bring water to Los Angeles and other southern California communities across the desert from the Colorado river.

Ransome Concrete Machinery Co., Dunellen, N. J., has acquired a controlling interest in Transit Mixers, Inc. and will hereafter manufacture Transit mixers in the plant at Dunellen, N. J. The two companies will operate as separate units; there is no connection, by license or otherwise, between the Ransome Company and any other concern in the truck mixer field.

A. B. Allen, manager of the Alpaugh Irrigation District in Tulare County, was freed under \$3,000 bail last Friday at Visalia after pleading guilty to misappropriating \$15,000 of the district's funds.

More than \$1,157,413 in overdue wages was collected by the State last year and paid over to workers, according to a report of the bureau of labor statistics and law enforcement. The average of the wage claims was \$73.19. The record for the fiscal year of 1929-1930 was \$1,082,857, so that the 12-month period just closed showed an increase of \$74,557 in collected claims, or 6.9 per cent.

Joe Merchon of Patterson, has filed suit in the superior court at Modesto against the Red Mountain Magnesite Company of Patterson to collect approximately \$2000 alleged to be due on a promissory note and for merchandise delivered to the company.

Joe Coluccio, sewer contractor, will be allowed to continue with his contract as long as he employs only American citizens, the Seattle city council has decided. It had been recommended by the board of public works that Coluccio's contract be revoked on the charge that he was employing three men who were not citizens.

Advertising and sales efforts should be expanded in the coming months, according to the Brookshire Economic Service, Inc., which has mapped out those sections of the country and those industries where better-than-average conditions prevail. Total income of the country in the next six months is estimated by the service at about 8% below the same period a year ago, which is a smaller decline than prevailed recently.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
1156	Nelson	Owner	5000
1157	Isaacson	Owner	3500
1158	Bujannoff	Westerlund	4000
1159	White	Dinwiddie	4000
1160	Karabines	Amator	4000
1161	Laguens	Owner	5000
1162	Marenos	Lindeman	1000
1163	Meyer	Owner	12000
1164	Meyer	Owner	5000
1165	Meyer	Owner	4000
1166	Meyer	Owner	4000
1167	Laguens	Owner	5000
1168	Grahn	Owner	3500
1168	Lane	Owner	6000
1169	McDonough	Owner	10000
1170	Ardasaz	Yriguaya	3500
1171	Adams	Owner	7000
1172	Clary	Erickson	4500
1173	Fritschl	Mooney	10000
1174	Swanson	Owner	3750
1175	Pastini	Murer	7000
1176	Eberwein	Owner	2000
1177	Rethburg	Owner	3000
1178	Moralls	Sanchez	2500
1179	Burke	Barrett	310000
1180	Herzig	Owner	4000
1181	Savage	Owner	3750
1182	Mickies	Owner	4000
1183	Stackpole	Owner	2000
1184	Fugina	Owner	2200
1185	Noyoshi	De Velbiss	5000
1186	Umbsen	Fresno	1900
1187	Cornwall	Mattock	17500
1188	Delucchi	Owner	7600

DWELLING
(1156) W 19th AVE. 450 S Sloat Blvd.; one-story and basement frame dwelling.
Owner—F. Nelson & Sons, 19th Ave. and Sloat Blvd.
Architect—Not Given. \$5000

DWELLING
(1157) W 16th AVE. 79 N Rivera; 1-story and basement frame dwelling.
Owner—F. Isaacson, 643 Joost Ave.
Plans by Owner. \$3500

DWELLING
(1158) W 29th AVE. 128 S Rivera; 1-story and basement frame dwelling with airplane room.
Owner—Mrs. R. C. Bujannoff, 1711 Broderick St.
Plans by Mr. Westerlund.
Contractor—J. V. Westerlund, 2355 23th Ave. \$5000

ALTERATIONS
(1159) NE CALIFORNIA and Battery Sts.; alterations to elevator shafts.
Owner—White Inv. Co., Newhall Bldg.
Architect—Not Given.
Contractor—Dinwiddie Const. Co., 1101 Crocker Bldg. \$4000

DWELLING
(1160) W CHENERY 425 S 30th St.; one-story and basement frame dwelling.
Owner—G. A. Karabines, 1324 Hampshire St.
Architect—Not Given.
Contractor—F. Amator, 2810 26th St. \$4000

ALTERATIONS
(1162) SE COR. THIRD AVE. and Clement St.; alterations to store.

Owner—D. Marenos, 204 6th St.
Architect—Not Given.
Contractor—H. O. Lindeman, Ltd., 619 27th Ave. \$1000

DWELLINGS
(1163) S MARIETTA 201 S Teresita; three 1-story and basement frame dwellings.
Owner—Meyer Bros., 727 Portola Dr.
Plans by Owner. each \$4000

DWELLING
(1164) SE TERESITA and Marietta; one-story and basement frame dwelling.
Owner—Meyer Bros., 727 Portola Dr.
Plans by Owner. \$5000

DWELLING
(1165) S MARIETTA 100 E Teresita; one-story and basement frame dwelling.
Owner—Meyer Bros., 727 Portola Dr.
Plans by Owner. \$4000

DWELLING
(1166) S MARIETTA 170 E Teresita; one-story and basement frame dwelling.
Owner—Meyer Bros., 727 Portola Dr.
Plans by Owner. \$4000

DWELLING
(1167) NE DARIEN WAY 462 SE Westgate; one-story and basement frame dwelling.
Owner—Laguens & Larsen, 369 Ashton
Plans by S. Larsen. \$5000

DWELLING
(1168) W TOCOLOMA 31 N Blanken; one-story and basement frame dwelling.
Owner—W. H. Grahn, 2965 Mission St.
Plans by Owner. \$3500

DWELLING
(1168) NE CRESTLAKE 520 S Wawona. Two-story frame dwelling.
Owner—C. V. Lane, 912 Geneva Ave., San Francisco.
Plans by Owner. \$6000

DWELLINGS
(1169) N FULTON 90 E Forty-sixth Ave. Two one-story and basement frame dwellings.
Owner—M. McDonough, 148 Randall St., San Francisco.
Architect—Not Given. \$5000 each

DWELLING
(1170) N NEWCOMB 250 E Phelps; 1-story frame dwelling.
Owner—J. Ardasaz, 1809 Newcomb.
Plans by Contractor.
Contractor—J. Yriguaya, 1708 Oakdale Avenue. \$3500

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - California

DWELLINGS
(1171) E CHESTER 168 S Payson; two 1-story and basement frame dwellings.
Owner—D. S. Adams, 126 Chester.
Plans by Owner. each \$3500

DWELLING
(1172) E SAN ALESO 195 N of Upland; 1-story and basement frame dwelling.
Owner—Mr. and Mrs. J. M. Clary, 972 Chenery St.
Architect—Not Given.
Contractor—H. Erickson, 972 Chenery. \$4500

REPAIRS
(1173) 525 FOURTH St.; rep fire damage to commercial building.
Owner—A. Fritschl, 57 Sutter St
Architect—Not Given.
Contractor—W. J. Mooney, 68 Belcner Street. \$10,000

DWELLING
(1174) W 24th AVE. 25 N Santiago; one-story and basement frame dwelling.
Owner—N. Swanson, 2162 20th Ave.
Plans by Owner. \$3750

ALTERATIONS
(1175) N BROADWAY 65 E Franklin; alterations to (3) apts.
Owner—N. Pastini.
Designer—L. Dallorso, 32 Jansen St.
Contractor—L. Murer & Co., 1815 Mason St. \$7000

DWELLING
(1176) S VALLEY 128 E Hoffman; 1-story frame dwelling.
Owner—R. Eberwein, 761 Valley St.
Architect—Not Given. \$2000

DWELLING
(1177) E 28th AVE. 275 N Santiago; one-story and basement frame dwelling.
Owner—E. J. Rethburg, 2368 19th Ave.
Plans by F. Meadowcroft, 1427 25th Avenue. \$3000

DWELLING
(1178) E LANE 75 N Quesada; one-story and basement frame dwelling.
Owner—P. Morales, 4922 Third St.
Architect—Not Given.
Contractor—A. R. Sanchez, 4922 Third Street. \$2500

OFFICES
(1179) N McALLISTER 200 W Polk; 6-story class A office building.
Owner—H. Burke, % W. McGee and Sons, 67 Sutter St.
Architect—Bliss & Fairweather, Balboa Bldg.
Contractor—Barrett & Hlip, 913 Harrison Street. \$310,000

DWELLING
(1180) W 32nd AVE 175 N Vicente; one-story and basement frame dwelling.
Owner—A. J. Herzig, 2300 Ocean Ave.
Plans by D. E. Jackie, Call Bldg. \$4000

DWELLING
(1181) N SHIELDS 75 E Victoria; 1-story and basement frame dwelling.
Owner—W. A. Savage, 624 Urbano Dr.
Architect—H. C. Baumann, 251 Kearny Street. \$3750

DWELLING
(1182) E VIENNA 146 S Silver, one-story and basement frame dwelling.
Owner—A. Mickles, 51 6th St.
Architect—Not Given. \$4000

DWELLING
(1183) 312 FILBERT ST.; two-story and basement frame dwelling and studio.
Owner—R. Stackpole, 27 Jessop Place.
Plans by Owner. \$2000

DWELLING
(1184) W RHODE ISLAND 136 N 20th St.; one-story frame dwelling.
Owner—Mrs. M. Fugina, 612 Vermont.
Plans by Owner. \$2200

REPAIRS
(1185) 1720 SUTTER ST.; repair fire damage.
Owner—Mitsui Noyoshi, 102 South Park.
Architect—Not Given.
Contractor—C. D. DeVelbiss, 369 Pine Street. \$5000

REPAIRS
(1186) 1718 SUTTER ST.; repair fire damage.
Owner—Umhisen, Kerner & Stevens, 30 Montgomery St.
Architect—Not Given.
Contractor—C. Presco & Sons, 55 Sterling St. \$1900

DWELLING
(1187) N JACKSON 120 W Presidio Ave.; three-story, basement and attic frame dwelling.
Owner—Mr. and Mrs. Bruce Cornwall.
Architect—Willis Polk & Co., 277 Pine Street.
Contractor—A. F. & C. W. Mattock, 212 Clara St. 417.500

DWELLINGS
(1188) E GIRARD 100 S Waiyang; 2 1-story and basement frame dwellings.
Owner—D. Delucchi & Son, 3007 San Bruno Ave.
Architect—Not Given. each \$3800

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
156	Ransbottom	Andersen	734
157	Lindsay	Lindsay	3750
158	Karabines	Amatore	3364
159	Micheletti	Morris	8380
160	Cornwall	Willis	—

BUILDING
(150) NO. 1550 O'FARRELL ST. All work for one-story building.
Owner—M. E. Ransbottom, E. V. Geiger, C. E. Reiter, N. M. Cleverger and I. M. Nathan.
Architect—Not Given.
Contractor—Chris. Andersen, 369 Pine St., San Francisco.
Filed Aug. 8, '31. Dated Aug. 5, '31.
Completed and accepted. 50%
Usual 35 days. 50%
TOTAL COST, \$734.42
Bond, \$500. Surety, Century Indemnity Co. Limit, forfeit, plans and specifications, none.

BUILDING
(151) E OF CAYUGA ST. 50 N of Oneida Lot 25x75; all work one-story building.
Owner—R. T. Lindsay, 140 Duboce Avenue.
Architect—Not Given.
Contractor—C. Lindsay, 1693 27th Ave.
Filed Aug. 10, '31. Dated July 24, '31.
Commencing building. \$500
Four installments of. 812
TOTAL COST, \$3750

BUNGALOW
(152) W OF CHENERY ST 425 feet S of 30th St.; all work on one-story bungalow.
Owner—G. A. and S. G. Karabines.
Architect—Not Given.
Contractor—Frank Amatore, 2810 26th Street.
Filed Aug. 10, '31. Dated Aug. 5, '31.
Total amount to be paid within 35 days from and after filing of completion notice.
TOTAL COST, \$3864
Plans and specifications filed.

RESIDENCE
(153) 1 DORCHESTER WAY; all work for 6-room residence.
Owner—Mrs. Louise A. Micheletti.
Architect—Not Given.
Contractor—Morris & Weiner, 118 2 Market St.
Filed Aug. 12, '31. Dated Aug. 10, '31.
Frame up. \$2200
1st coat of plaster on. 2200
Completed and accepted. 2200
Usual 35 days. 2200
TOTAL COST, \$8800
Limit, 90 days.

RESIDENCE
(160) N JACKSON 120 E Presidio Ave.; all work for two-story and basement and attic residence.
Owner—Bruce Cornwall.
Architect—Willis Polk & Co., 277 Pine Street.
Contractor—A. F. & C. W. Mattock, 212 Clara St.
Filed Aug. 12, '31. Dated Aug. 11, '31.
Cost not to exceed \$24,324, including \$1150 for contractor.
Limit, Dec. 15, 1931. Plans and Spec. filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded	Accepted
Aug 6, 1931—N ONEIDA 87-6 NE Delano. Stephen Garibaldi to W Warren. August 6, 1931	
Aug 6, 1931—NE SOMERSET dist 100 SE Campbell Ave SE 25 NE 72-1/4 to NW Rodeo Ave NE 11-1/4 NE 25-3/4 SW 98-3 to beg Blk 43 Paul Tract HD Assn NE Somerset 125 SE Campbell Ave SE 27 NE 58 3/4 to NW Rodeo Ave NE 30-1 1/2 SE 72-1/4 to beg Blk 43 Paul Tract HD Assn. Mary A Craig to L H Stevenson. July 31, 1931	
Aug 6, 1931—W 24th AVE 250 West Wawona N 25 x W 120. Ray Greene to H A Thrall. August 4, 1931	
Aug 6, 1931—SW BEALE 100 W Mission ptn of Beach and Water, lots 325, 326 and 327. Fred H and A Ohe to Richard H Harms. August 5, 1931	
Aug 5, 1931—E 12th AVE 150 North Anza N 25 x E 120 CL 273. Patrick and Mary Shannon to P J Phelan. July 31, 1931	
Aug 5, 1931—LOTS 6, 7 and 8 BLK 2955A Subdiv No 5, Miraloma Pk. lots 9, 10, 11, 12, 13, 14 and 15 Blk 2955A map Subdiv No 6, Miraloma Park. Meyer Bros to whom it may concern. Aug. 3, 1931	
Aug 5, 1931—NE LAWTON and 22nd Ave N 25 x E 90. Frank and Henry Doelger to whom it may concern. August 3, 1931	
Aug 5, 1931—E 32nd AVE 175, 200, 225 N Lawton N 25 x E 120. Henry Doelger to whom it may concern. August 3, 1931	
Aug 4, 1931—N KIRKHAM 82-6 W 32nd Ave 25x120. Fred Reuter to whom it may concern. Aug 4, 1931	
Aug 4, 1931—W FUNSTON AVE 135 N Ulloa N 30 x W 120 OL 1184. C and F Gellert to whom it may concern. August 4, 1931	

Aug 4, 1931—E 46th AVE 190 North Balboa N 30 x W 120 OL 382. C and F Gellert to whom it may concern. August 4, 1931

Aug 4, 1931—ALL PTNS LOTS 21 and 22 Blk 5840 Map St's Marya Park, desc'd: SE Benton Ave dist NE 10 from SW line said lot 21 NE 30 SE 100-08 SW 28 NW 100-20 m or l to beg. A R Johnson to whom it may concern. August 4, 1931

Aug 4, 1931—NE BAYSHORE Blvd 125 SE Thornton Ave. F and M Brusco to Michael Brueck. August 4, 1931

Aug 4, 1931—E THIRTY-FIFTH Ave. 125 and 150 S Ulloa. Thomas P Coyle to Thomas J Sullivan. July 28, 1931

Aug 4, 1931—LOT 5 BLK 2917, Map Laguna Honda Park. Mr. and Mrs. T F Christenson to G J Elkington & Sons. Aug. 3, 1931

Aug 4, 1931—NO. 210 W 14th ST. Edmond Graham to George T Moore. August 3, 1931

Aug 4, 1931—SE THOMAS AVE 250 NW Jennings 25x100 Blk 402. So. S. F. Hd. & R. R. Assn. Victor Bjorkman to whom it may concern. August 3, 1931

Aug 3, 1931—E 23rd AVE 193 South Noriega S 100 x E 120. Lawrence and Anna Costello to whom it may concern. August 3, 1931

Aug 3, 1931—W 14th AVE 190 South Taraval Street S 30 x W 135. Mary Humphrey to J A Pereira. August 1, 1931

Aug 3, 1931—S STAPLES AVE 175 W Foerster 25x100. Albert R and Agnes C Peterson to whom it may concern. August 3, 1931

Aug 3, 1931—E GAMBIER 100 South Ploche S 25 x E 120. University Exten H D Block 143. Fredricka Kolsberg to T Kolsberg. Aug. 1, 1931

Aug 3, 1931—2317 CHESTNUT ST. Emil Stern to C T Magill. August 3, 1931

Aug 11, 1931—W ASHBURY 201-6 N Frederick N 125 W 186-3 S 125 E 186-3. The Roman Catholic Archbishop of San Francisco to National Ornamental Iron & Bronze Co. Inc. August 5, 1931

Aug 11, 1931—NW FULTON and W Arguello Blvd N 62-1/4 to a pt W 49-10 1/4 to a pt N 37-10 1/4 to a pt W 24-10 1/4 to a pt S 107-8 m or l to a pt on NW Fulton E 75-1 1/2 m or l OL 381. Reavey & Spivock to whom it may concern. Aug. 1, 1931

Aug 10, 1931—W FOERSTER 77-9 S Kenyon Ave S 50 x W 123-58 N 50 E 125-30. C Menchen to A Anderson. August 10, 1931

Aug 10, 1931—E 14th AVE N Taraval N 30 x E 120 OL 1115 E 14th Ave 195 N Taraval N 30 x E 120 OL 1115. A Halsen to whom it may concern. August 7, 1931

Aug 10, 1931—W DIAMOND 185 N 23rd 25x116. A E and J Craven to J Maloney. August 10, 1931

Aug 10, 1931—NE HOLYOKE 125 NW Bacon NW 25 x NE 120 ptn Blk 30 University MD Survey. S and A Barulich to C H Westerlund. August 7, 1931

Aug 10, 1931—W 17th AVE 25 S Vicente S 25 x 95. S F Johnson to whom it may concern. Aug 10, 1931

Aug 10, 1931—W 17th AVE 150 South Lawton S 25 x W 120. Michael D and Mary Hardiman to whom it may concern. August 10, 1931

Aug 10, 1931—W STANYAN 175 S Frederick S 25 x W 107-6. Harry Barman to whom it may concern. August 10, 1931

Aug 10, 1931—W 17th AVE 175 South Lawton S 25 x W 120. Michael D and Mary A Hardiman to whom it may concern. August 10, 1931

Aug 7, 1931—NE LOWELL SE 162 Morse SE 25 x NE 178 West End HD Assn. P and M Caracci to V Caracci. August 5, 1931

Aug. 8, 1931—W TWENTY-FIRST Ave 153 S Noriega 50x120. John E McCarthy to whom it may concern..... August 5, 1931
 Aug. 8, 1931—E CHESTER AVE 100 S Payson S 31 E 137 25. E Chester Ave 131 S Payson S 31x12 137 25. August J Lang Jr to whom it may concern..... August 5, 1931
 Aug. 8, 1931—NO. 573 DUBOCE Ave. E H Parsons to L J Doyle..... August 1, 1931

LIENS FILED

San Francisco County

Recorded	Amount
Aug 11, 1931—LOT 33 BLK B Park Hill HD Assn 64 Buena Vista Terrace. H E and C E Paul vs H Thordarson and M A Ashburn.....	\$740
July 11, 1931—NE POWHATTAN Ave and Bradford E 70 x N 100. H V Tucker Co vs David Solfield.....	\$884.70
Aug 11, 1931—SE POWHATTAN Ave and Bradford E 86 x S 95. H V Tucker Co vs W G Silver.....	\$1087.47
Aug 11, 1931—SW PERALTA AVE and Powhattan Ave W 28-8 x S 95. H V Tucker Co vs H Marshall.....	\$361.80
Aug 11, 31—NW POWHATTAN Ave and Peralta Ave N 25 x W 70. H V Tucker Co vs Libby McCabe.....	\$884.70
Aug 11, 1931—S POWHATTAN Ave 28-8 W Peralta Ave W 28-8 x S 25. H V Tucker Co vs M De Tarron, A De Tarron, T Thorgerson and M Thorgerson.....	\$361.80
Aug 11, 1931—S POWHATTAN AVE 86 E Bradford E 28-8 x S 95. H V Tucker Co vs M and A De Tarron.....	\$361.80
Aug 10, 1931—LOT 48 Gift Map No 3. W B Jefferson as Greater City Lbr Co vs G L and C Peterson and H A Cohen.....	\$502.79
Aug. 8, 1931—N IRVING 48-9 W 46th Ave W 33-9 N 100 W 37-6 N 25 E 120 S 5 W 48-9 S 120 OL 627. B R Wolf vs Geo E and D D Austin and Charles Miller.....	\$126.50
Aug. 7, 1931—S GREENWICH 50 E Franklin E 60xS 79 Ptn Southern Addition Blk 98. Jesse Shay vs S Schwalbe and C A Laughlin (as Laughlin Constr Co).....	\$2619

RELEASE OF LIENS

San Francisco County

Recorded	Amount
Aug 11, 1931—N VALLEJO 159-1 W Franklin W 89 x N 137-6. Charles Terranova to W T Kresteller.....	

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Amt.
917	Bredchoft	Owner	3000
918	Standard	Owner	5000
919	Standard	Owner	2500
920	Lee	McBride	3000
921	Bemis	White	1500
922	Kennedy	Williams	6000
923	Kennedy	Williams	11000
924	Ponjer	Beckett	10000
925	Grubb	Owner	3000
926	Chavez	Isakson	4400
927	Brieling	Rose	2000
928	Hilstrom	Owner	1200
929	Hexem	Owner	3500
930	Fleming	Owner	3950
931	Fleming	Owner	3950
932	Fleming	Owner	3950
933	Mobs	Sylvester	2000
No.	Owner	Contractor	Amt.
934	Wolfe	Owner	1000
935	Bischoff	Owner	4500
936	Peters	Owner	1200
937	Frink	Leckins	3500
938	Peters	Owner	1200

939	Hink	Anderson	3000
940	Isakson	Thrams	12475
941	Elidrado	Owner	18000
942	Anderson	Owner	2600
943	Smith	Owner	2000
944	Faulkner	Owner	1000
945	Elney	Rose	2000
946	Dosley	Owner	3000
947	Grubb	Owner	3300
948	Grubb	Owner	3200

DWELLING
 (917) NO. 975 TULARE ST., BERKELEY. One-story 5-room stucco dwelling.
 Owner—Bredchoft & Dull, 1328 Carlotta St., Berkeley.
 Architect—Not Given. \$3000

SERVICE BLDG.
 (918) NO. 2090 TELEGRAPH AVE., BERKELEY. Class C super-service building.
 Owner—Standard Oil Co., Oakland.
 Architect—Not Given. \$3500

SERVICE STATION
 (919) NO. 2996 TELEGRAPH AVE., BERKELEY. Class C service station.
 Owner—Standard Oil Co., Oakland.
 Architect—Not Given. \$2500

DWELLING
 (920) E LEO WAY 220 S Broadway Terrace, OAKLAND; one-story 5-room dwelling.
 Owner—Geo. Lee, 4127 Broadway, Oakland.
 Architect—Not Given.
 Contractor—R. C. McBride, 4127 Broadway, Oakland. \$3000

ALTERATIONS
 (921) 5901 FOOTHILL BLVD., OAKLAND; alterations.
 Owner—K. E. Bemis, 519 16th Street, Oakland.
 Architect—Not Given.
 Contractor—White Taverns, 519 16th St., Oakland. \$1500

ALTERATIONS
 (922) W PARK BLVD. 150 SE 19th St., OAKLAND; alterations.
 Owner—J. A. Kennedy and R. Sallsbury, 1201 Oakland Bank Bldg., Oakland.
 Architect—Not Given.
 Contractor—George T. Williams, 5342 Broadway, Oakland. \$6000

GARAGE
 (923) SE 19th St. 100 W Park Blvd., OAKLAND; one-story brick and tile garage.
 Owner—J. A. Kennedy and R. Sallsbury, 1201 Oakland Bank Bldg., Oakland.
 Architect—Not Given.
 Contractor—George T. Williams, 5342 Broadway, Oakland. \$11,000

DWELLING
 (924) NO. 205 THE UPLANDS, BERKELEY. Two-story eight-room dwelling.
 Owner—H. J. Ponjer, 624 Scenic Ave., Piedmont.
 Plans by Contractor.
 Contractor—Beckett & White, 722 Scenic Ave., Piedmont. \$10,000

DWELLING
 (925) NW COR. 106th AVE. and Beverly, OAKLAND; 1½-story 6-room dwelling.
 Owner and Builder—Jas. B. Grubb, 10815 Breed Ave., Oakland.
 Architect—Not Given. \$3000

DWELLING
 (926) N BUENA VISTA AVE. 100 W Contra Costa Road, OAKLAND; 1-story 6-room dwelling.
 Owner—Theresa Chavez, 833 York St., Oakland.
 Architect—W. W. Dixon, 1844 5th Ave., Oakland.

Contractor—E. D. Bakon, 2916 Addison Ave., Oakland. \$4400

REPAIRS
 (927) SE COR. 18th and CHESTER, OAKLAND; fire repairs.
 Owner—E. J. Brading, Ray Bldg. Oakland.
 Architect—Not Given.
 Contractor—A. H. Rose, 478 25th St., Oakland. \$2000

DWELLING
 (928) REAR of 636 50th ST., OAKLAND; one-story 4-room dwelling.
 Owner and Builder—Clair A. Heistrom, 636 50th St., Oakland.
 Plans by Owner. \$1200

DWELLING
 (929) SW COR. CALIFORNIA AND Maple, OAKLAND; two-story 7-room dwelling.
 Owner and Builder—Andrew Hexem, 2959 California St., Oakland.
 Architect—Not Given. \$3500

DWELLING
 (930) 1962 HOOVER AVE., OAKLAND; one-story 5-room dwelling.
 Owner & Builder—John Fleming, 3539 Jordan Road, Oakland.
 Architect—Not Given. \$3950

DWELLING
 (931) 3038 WISCONSIN ST., OAKLAND; one-story 5-room dwelling.
 Owner & Builder—John Fleming, 3539 Jordan Road, Oakland.
 Architect—Not Given. \$3950

DWELLING
 (932) 3032 WISCONSIN ST., OAKLAND; one-story 6-room dwelling.
 Owner & Builder—John Fleming, 3539 Jordan Road, Oakland.
 Architect—Not Given. \$3950

DWELLING
 (933) S WOODHAVEN WAY 309 W Indian Way, OAKLAND; 1-story 3-room dwelling.
 Owner—Anna W. Mobs, San Francisco
 Architect—Not Given.
 Contractor—H. K. Sylvester, 1510 Franklin St., Oakland. \$2000

ALTERATIONS
 (934) NO. 1188 SHERMAN ST., ALAMEDA. Alter present frame dwelling.
 Owner—Mrs. H. H. Wolfe, Premises.
 Architect—Not Given. \$1000

DWELLING
 (935) N AILEEN ST. 75 W Carberry Ave., OAKLAND; one-story five-room dwelling.
 Owner and Builder—John A. Bischoff, 2717 Russell St., Berkeley.
 Architect—Not Given. \$4500

DWELLING
 (936) REAR 837 30th ST., OAKLAND; one-story 4-room dwelling.
 Owner and Builder—Frank Peters, 837 30th St., Oakland.
 Architect—Not Given. \$1200

DWELLING
 (937) W GLENWOOD GLADE, 500 S Broadway Terrace, OAKLAND; 1½-story 6-room dwelling.
 Owner—Minnie Frink, 1650 Hopkins St., Oakland.
 Architect—Not Given.
 Contractor—W. W. Leckins, 1650 Hopkins St., Oakland. \$4500

DWELLING
 (938) REAR SE 30th ST., OAKLAND; one-story 4-room dwelling.
 Owner and Builder—Frank Peters, 837 30th St., Oakland.
 Architect—Not Given. \$1200

ADDITION
 (939) NO. 2218 SHATTECK AVE., BERKELEY. Addition to Class C building

Owner—J. F. Hink & Son, 2218 Shattuck Ave., Berkeley.
 Architect—Not Given.
 Contractor—Edw. Anderson, 916 Carmel St., Berkeley. \$3000

DWELLING
 (940) NIE SUNNYHILLS ROAD AND Grosvenor Place, **OAKLAND**. Two-story 8-room dwelling.
 Owner—Morris and Lena Isaacson, 277 Park View Terrace, Oakland.
 Architect—W. E. Schirmer, 700 21st St., Oakland.
 Contractor—C. H. Thrams, 28 Home Place, Oakland. \$13,475

WHARF
 (941) FOOT OF ADELINE ST., **OAKLAND**, Wharf.
 Owner—Eldorado Terminal Co., Foot of Adeline St., Oakland.
 Architect—Not Given. \$18,000

DWELLING
 (942) SW COOLIDGE AND NICOL Aves., **OAKLAND**. One-story five-room dwelling.
 Owner—Chas. Anderson, 2142 25th Ave., Oakland.
 Architect—Not Given. \$2600

DWELLING
 (943) W WEST VIEW DRIVE 100 S Vicente Place, **OAKLAND**. Two-story 4-room dwelling.
 Owner—L. D. Smith, 331 Vicente Rd., Oakland.
 Architect—Not Given. \$2000

ALTERATIONS
 (944) NO. 2348 WEBSTER ST., **OAKLAND**. Alterations.
 Owner—J. R. Faulkner, 2342 Webster St., Oakland.
 Architect—Not Given. \$1000

REPAIRS
 (945) NO. 111 GRAND AVE., **OAKLAND**. Fire repairs.
 Owner—Geo. Ebey, 760 Calmar Ave., Oakland.
 Architect—Not Given.
 Contractor—A. H. Rose, 478 25th St., Oakland. \$2000

DWELLING
 (946) N DELMER ST. 300 E Lincoln Ave., **OAKLAND**. One-story five-room dwelling.
 Owner—Fred T. Dooley, 3936 Vale Ave., Oakland.
 Architect—Not Given. \$3000

3DWELLING
 (947) 1836 109TH AVE., **OAKLAND**; one-story 5-room dwelling and 1-story garage.
 Owner and Builder—Jas. B. Grubb, 10815 Breed Ave., Oakland.
 Architect—Not Given. \$3300

3DWELLING
 (948) 1842 109TH AVE., **OAKLAND**; one-story 5-room dwelling and 1-story garage.
 Owner and Builder—Jas. B. Grubb, 10815 Breed Ave., Oakland.
 Architect—Not Given. \$3300

BUILDING CONTRACTS

ALAMEDA COUNTY			
No.	Owner	Contractor	Amt.
132	Isaacson	Thrams	13475
133	East Bay	Thrams	
124	Flierl	Frank	835

RESIDENCE
 (132) LOT 25 BLOCK 6, Lakeshore Highlands, Oakland; general construction on 2-story and basement frame residence and garage.
 Owner—Morris and Lena Isaacson, 277 Park View Terrace, Oakland.
 Architect—Wm. E. Schirmer, 700 21st St., Oakland.
 Contractor—C. H. Thrams, 28 Home Place, Oakland.

Filed Aug. 8, '31. Dated Aug. 7, '31.
 When sheathing is on.....\$368.75
 When brown coated.....\$368.75
 When completed.....\$368.75
 Usual 35 days.....\$368.75
 TOTAL COST, \$13,475
 Bond, \$13,475. Sureties, Fidelity and Casualty Co. of N. Y. Limit, 100 days.

HOUSE
 (133) LOT 25, Lakeshore Highlands, Oakland; general construction on frame house and garage.
 Owner—East Bay Title Insurance Co., Morris and Lena Isaacson.
 Architect—Wm. E. Schirmer, 700 21st St., Oakland.
 Contractor—C. H. Thrams, 28 Home Place, Oakland.
 Filed, Aug. 10, '31. Dated, Aug. 7, '31.
 No payments of contract price given.
 Plans and specifications filed.

MORTUARY
 (134) NO. 1044 C ST., Hayward, Electric work for two-story brick and frame mortuary building.
 Owner—Walter and Catherine Pratt Flierl, Hayward.
 Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
 Contractor—Hugo Frank (Frank Elec. Co.), Hayward.
 Filed Aug. 11, '31. Dated Aug. 6, '31.
 As work progresses.....75%
 Usual 35 days.....Balance
 TOTAL COST, \$835
 Bond, none. Limit, 60 days. Forfeit, \$20 per day. Specifications only filed.

COMPLETION NOTICES

Alameda County

Recorded	Accepted
Aug 7, 1931—PTN LOT 1, The Tre- nor and Armstrong Tract, Oak- land. Claude E Milton to whom it may concern.....July 29, 1931	
Aug 7, 1931—PTN LOT 34 BLK 7, map of Boulevard Park, Oakland. Claude E Milton to whom it may concern.....July 20, 1931	
Aug 7, 1931—LOT 60, The Marlon Tract, Oakland. Nell D Wilson to whom it may concern.....Aug 6, 1931	
Aug 7, 1931—LOT 161, Broadmoor Pk San Leandro. Chas C and Anita J Way to Chester A Gossett.....August 7, 1931	
Aug 6, 1931—PTN LOT 16, Thorn- hill Park, Oakland. Jeanie Craven Stanley to whom it may concern.....August 1, 1931	
Aug 6, 1931—5033 PROCTOR AVE, Oakland. W A Netherby to whom it may concern.....August 3, 1931	
Aug 4, 1931—LOT 12 BLK A, Pied- mont Highlands, Piedmont. Har- mon C Bell and Winifred Brown Bell, formerly Winifred O Brown to W B Wells.....July 31, 1931	
Aug 5, 1931—4216 MONTEREY Blvd Oakland. Minnie H Warren to whom it may concern.....July 30, 1931	
Aug 5, 1931—21 RICHARDSON Way, Piedmont. J W Scammell to whom it may concern.....Aug 4, 1931	
Aug 5, 1931—LOTS 28 and 29 BLK 14, map No 8 of Regents, Park, Albany. Wm B and Victoria Far- digo to Albin Leino.....August 3, 1931	
Aug 11, 1931—S BECHER AVE 151- 49 ft W of Woodland Ave. San Le- andro. Roscoe M Banta to John Young.....August 7, 1931	
Aug 11, 1931—LOT 2 BLK 11, Resub of Biks 9, 10, 11, 12, 13, 14 and ptn 16, Rock Ridge Terrace, Oakland. P S W Ramsden to George Swans- ton.....August 7, 1931	
Aug 10, 1931—644 CRAGMONT Ave, Berkeley. Frank H Felt to Self.....August 8, 1931	
Aug 10, 1931—2952 73rd AVE, Oak- land. F W Conlogue to whom it may concern.....August 7, 1931	
Aug 10, 1931—LOT 19, Mount Ver- non Park Tract, Oakland. A S and	

Elsie N Parish to A H Monez.....August 7, 1931
 Aug 10, 1931—LOT 21 BLK G, Es-
tadillo Estates, San Leandro. Car-
los V and Anna E Olsen to F C
Duerr.....August 8, 1931
 Aug 10, 1931—PTN LOTS 29 and 30,
Ellen Stotts Tract No 2, Brooklyn
Twp. M A Nelson to whom it
may concern.....August 10, 1931
 Aug 8, 1931—LOT 205, Oakwood Dr.
Oakland. H S Pendleton to whom
it may concern.....August 8, 1931
 Aug 8, 1931—1106 SHERMAN ST,
Alameda. H B and Irma I Fisher
to Ithrig and Thorpe.....Aug 7, 1931
 Aug 8, 1931—CAMPUS of the Uni-
versity of California, Berkeley. Re-
gents of the University of Califor-
nia to Clim - er - edge Linoleum
House, Inc.....August 8, 1931

LIENS FILED

Alameda County

Recorded	Amount
Aug 7, 1931—LOT 20 BLK 12, Lake- side Subdiv of Adams Point Pkty, Oakland. Albert H Schoning vs Axel C Nelson and A M Poulsen.....\$228	
Aug 10, 1931—LOT 24 and Ptn Lot 25 Blk R, Amended map of the Moss Tract, Oakland. B Cooper vs Wm Graybill, Esther S Jepsen and Charles Blome.....\$64.58	
Aug 10, 1931—LOT 16 BLK 77, map of Tract B of the Berkeley Land, Town Imp Assn, Berkeley. Gen- eral Mill & Lumber Co vs A R and Alice Valle, E Manley.....\$42.99	

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded	Amount
Aug 6, 1931—W SAN PABLO AVE 157 ft N of 27th St, Oakland. Kim- ball-Krogh Pump Co to Standard Creameries Co, Ltd, A E Williams, doing business as East Bay Eleva- tor Company.....\$150	
Aug 6, 1931—W SAN PABLO AVE 157 ft N of 27th St, Oakland. Kim- ball-Krogh Pump Co to Standard Creameries Co, Ltd, A E Williams, doing business as East Bay Eleva- tor Company.....\$150	
Aug 10, 1931—LOT 20 BLK 12, Lake- side Subdiv of Adam's Point Pkty, Oakland. M Greenberg's Sons to Axel C Nelson and Albert M Poulsen.....\$150	
Aug 7, 1931—N VALLEJO 158-10 W Franklin W 80xN 137-6. W P Ful- ler & Co; The Berger Mfg Co, of Calif.; Superior Tile & Products Co; Sudden Lumber Co; Henry Moses (as Aetna Electric Co); James Cantley, Karl Hassell (as Sunset Iron Works); A D Calder- wood (as The Abbotts); Regal Floor Co, Ltd; John Clervi (as Clervi Marble Co); Lee Hardware Co; Fred F Lacey and Andrew W Schulz (as Lacey & Schulz) to William H and Hermina Van Her- rick.....\$150	
Aug 8, 1931—LOT 39 BLK A, Clare- mont Pines, Oakland. Maxwell Hardware Co, \$634; Clinton Mill & Lumber Co, \$1070.85; Wallace E Scott, \$99.20; Morgan Electric Ltd, \$316.39; P Kooyman, \$255; East Bay Sand & Gravel Co, \$488; Atlas Hardwood Floor Co, \$1- 003.20; Thos F Rigney, \$700; M C Henry, \$248.70; A Casqueiro, \$280- 55; H F Wells, \$100; F H Roerber, \$400; to J M and Anna K Olson.....	
Aug 8, 1931—LOT 39 BLK A, Clare- mont Pines, Oakland. Geo S Pit- tock & Son, Ltd, \$185; Master- craft Tile & Roofing Co, \$903.20,	

to J M and Anna K Olson, Claremont Pines Corp.

BUILDING CONTRACTS

SAN MATEO COUNTY

RESIDENCE

LOTS 12, 13 AND 14 BLK 16, San Mateo. All work for one- and two-story and basement frame and stucco residence and garage.

Owner—Roman Catholic Archbishop (Corp. Sole), 1100 Franklin St., San Francisco.

Architect—Edward A. Eames, 353 Sacramento St., San Francisco.
Contractor—H. H. MacDonald, San Carlos.

Filed Aug. 3, '31. Dated July 30, '31.
Roof on\$2543.75
Brown coated2543.75
Completed2543.75
36 days2543.75

TOTAL COST, \$10,175.00
Bonds (2) \$1017.50 and \$1017.50. Surety, Aetna Casualty Co. Limit, 100 working days. Forfeit, none. Plans and specifications filed.

RESIDENCE

TUSCOLOOSA AVE., Atherton. All work for two-story brick veneer and stucco residence.

Owner—Mary Anne Sutro Bowen, Palo Alto.

Architect—Albert Farr et al, 68 Post St., San Francisco.

Contractor—F. S. Marshall, 795 Ashbury St., San Francisco.

Filed Aug. 6, '31. Dated Aug. 4, '31.
As work progresses75%
Usual 35 days25%

TOTAL COST, \$13,270
Bond, none. Limit, 125 working days. Forfeit, none. Plans and specifications filed.

RESIDENCE

LOT 25 BLK 118, South San Francisco. All work for one-story and basement stucco residence.

Owner—Joe Franko, South San Francisco.

Architect—Not Given.
Contractor—A. Planca, South San Francisco.

Filed Aug. 8, '31. Dated Aug. 5, '31.
Roof on\$1000
Plastered800
Usual 35 days800

TOTAL COST, \$2600
Bond, \$1300. Sureties, Silvio Peanca and Luigi Varni. Limit, 90 days. Forfeit, none. Plans and specifications filed.

RESIDENCE

N SIDE of PANORAMIC Drive in Las Haciendas Tract bet Los Gatos and Saratoga; all work on residence.

Owner—Wm. F. Hayward, Santa Clara Architect—Not Given.

Contractor—N. J. Nielsen, Willow Glen.

Filed Aug. 6, '31. Dated Aug. 3, '31.
When joists are on\$1225
When plaster is scratched1225
Completion1225
Usual 35 days1225

TOTAL COST, \$4905
Bond, \$2455. Sureties, J. E. Provenzano, W. F. Serpa. Limit 75 days from Aug. 3, 1931. Plans and Spec. filed.

BUILDING PERMITS

SAN MATEO

DWELLING, \$4000; Lot 21 Block 20, Grant Ave.; owner and builder, G. H. Arthur, 16 W Santa Inez.

BUNGALOW and garage, \$3000; Lot 22, Blk 8, 141 25th Ave.; owner and builder, Joe Pastorelli.

RESIDENCE, \$4000; Lot 11 Blk 21 S Grant; owner and builder, Lengfeld & Olund, 145 N El Camino.

DWELLING, frame and stucco, \$10,000; Lot 285, Midway Ave., San Mateo; owner and contractor, E. Chapel.

DWELLING, \$8000; NE 50 ft. Lot 5 Block 18, San Mateo; owner and contractor, Buschke & Johnson, 235 Third Ave., San Mateo.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted

Aug. 5, 1931—LOT 48, Gray Tract, San Mateo. Charles V Elliott et al to Emil G Steinger. Aug. 5, 1931

Aug. 5, 1931—STATE HIGHWAY, Burlingame and San Mateo. State of California to Basch Brothers Co. August 3, 1931

Aug. 5, 1931—PART LOT 15, James Johnson Trct, San Mateo. James E Carlson et al to Palmer & Tibbs

August 3, 1931
Aug. 5, 1931—LOTS 32 AND 33 BLK 5, Central Park. John E McCarthy to whom it may concern.

August 5, 1931
Aug. 6, 1931—LOT 1 BLK 3, Baywood. N W Schneider to whom it may concern. July 6, 1931

Aug. 6, 1931—LOT 26 BLK 23, Huntington Park. Ernest Harrison to Jack Kaiser. August 5, 1931

Aug. 7, 1931—LOT 10 BLK H, Hayward Park. John N Westerlund to whom it may concern.

August 6, 1931
Aug. 7, 1931—LOT 2 and Part Lot 2, Vista Marina. Peter Broskey et al to whom it may concern.

July 29, 1931
Aug. 7, 1931—LAGUNA AVE near Broadway, San Mateo. Stelling & Gould to Charles Pederson.

August 4, 1931
Aug. 7, 1931—LOTS 174 AND 175, Sky Londa. R Bryce Howatson to R V Watt. July 10, 1931

Aug. 7, 1931—LOTS 20 AND 24 Blk 11 and Lots 14 and 19 Blk 11, Millbrae Highlands. Castle Bldg Co to Henry Horn (2 completions). Aug. 5, 1931

Aug. 7, 1931—MENLO (School site). Menlo School and Junior College District to F C Stolte. Aug. 6, 1931

Aug. 8, 1931—SAN MATEO (plastering gymnasium building. San Mateo Union High School District to E J Cooley. Aug. 8, 1931

Aug. 8, 1931—LOT 11, Hillsborough Heights. Lee Sneate to Busche & Jamison. July 28, 1931

Aug. 8, 1931—PART LOT 22, Quolota Tract. Amy R Bachman to Oscar L Cavanaugh. Aug. 7, 1931

Aug. 3, 1931—LOTS 8 AND 9 BLK 10, Central Park, San Mateo. Eric Standquist to whom it may concern. Aug. 3, 1931

Aug. 3, 1931—LOT 3 BLK C. George C Ogden to George C Ogden. Aug. 3, 1931

Aug. 3, 1931—REDWOOD CITY (service group). Pacific Gas & Electric Co to W O Tyson. July 24, 1931

Aug. 3, 1931—COMMUNITY HOSPITAL, San Mateo. County of San Mateo to Sorensen & Haggamark

July 27, 1931

Aug. 3, 1931—MILLBRAE State of California to W H Cowen. July 24, 1931

Aug. 3, 1931—SKYLINE BLVD., San Mateo. State of California to W B Lee and W H Cowen (2 completions). July 24, 1931

Aug. 3, 1931—PART LOTS 24 AND 25 Blk 7, Blossom Heath Manor. Castle Bldg Co to Henry Horn.

July 29, 1931
Aug. 4, 1931—LOT 10 part Lots 11 and 3 Blk 11, San Mateo. W S Leadley et al to Leadly & Wisman. August 4, 1931

Aug. 4, 1931—PART LOT 11-B Map No. 1, Bowle Estate. Lucille H Hunt to William Short.

Aug. 4, 1931—PART LOT 9 BLK 23, San Carlos. Sadie O Eneault to Wm Kappeler. August 1, 1931

Aug. 4, 1931—LOT 14 BLK 21, Robinson Sub. Gustaf Nordstrom to whom it may concern. Aug. 4, 1931

LIENS FILED

SAN MATEO COUNTY

Recorded Amount

Aug. 5, 1931—LOT 8 BLK 18, Easton Bush Roofing Co vs R N Nobles. \$243

Aug. 5, 1931—PART LOTS 12 AND 13, Villa Lots at Fair Oaks. Steve Anderson & Son vs A T Fumero. \$517.50

Aug. 7, 1931—LOTS 17, 18, 19 AND 20 Blk A, Millbrae Park. McNulty Lumber Co vs W S Thompson et al. \$354.72

Aug. 8, 1931—LOT 2 BLK 5, Redwood Highlands. John G Smith vs Bernard J McCarron. \$1137.47

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded Amount

Aug. 7, 1931—PART LOT 12 BLK 9, Menlo Oaks. W L Bocuse: A Backlund; Daniel Hayes; Merner Lumber Co; Palo Alto Lumber Co and Peninsula Bldg Material Co to T J Gilligan et al.

Aug. 4, 1931—LOT 5 BLK 46, Easton F. M McNulty to Jack Keiser et al

BUILDING CONTRACTS

SANTA CLARA COUNTY

THEATRE & STORE

LOTS 37 AND 38 and NE 1/4 Lot 36 and part of Lot 52 of Wade's Subd of Blk 30, Palo Alto. All work for theatre and store building.

Owner—United Artists Theatres of California, Ltd., United Artists Studios, Hollywood.

Architect—Walker & Eisen, Ltd., and C. A. Balch, Western Pacific Bldg. Los Angeles.

Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

Filed July 23, '31. Dated July 21, '31. On 1st and 15th of each month.

TOTAL COST, \$63,000
Bond, \$37,800. Surety, Central Surety

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

& Insurance Corp. Limit, forfeit, none. Plans and specifications filed.

BATTERY BLDG.

SW JULIAN AND SAN PEDRO STS. (rear of lot), San Jose. All work for one-story brick and frame battery building.

Owner—C. C. Born, 287 N-San Pedro St., San Jose.

Architect—Chas. S. McKenzie, Twohy Bldg., San Jose.

Contractor—W. H. Ball, 1288 Lupton Ave., San Jose.

Filed Aug. 11, '31. Dated Aug. 8, '31. As work progresses..... 75%

Usual 55 days..... 25%

TOTAL COST, \$2700

Bond, limit, forfeit, none. Plans and specifications filed.

BUILDING PERMITS

BURLINGAME

RESIDENCE, \$6000; Lot 2 BLK 27, Howard Ave., Burlingame; owner, L. R. Kostevitz, 204 Howard Ave., Burlingame; contractor, V. P. Lagdienes.

BUILDING PERMITS

SAN JOSE

RESIDENCE, frame, five-room, \$2800; Spencer St. near Home, San Jose; owner, Edna Schmidt, 474 N-San Pedro St., San Jose.

SHOP, auto and tire, Type III, \$3000; Julian and Sen Podra Sts., San Jose; owner, C. C. Born, 287 N-San Pedro St., San Jose; architect, C. S. McKenzie, Twohy Bldg., San Jose; contractor, W. H. Ball, 1022 Lennon Way, San Jose.

BUILDING PERMITS

SAN JOSE

REPAIR fire loss to Type III business building, \$2800; First and San Antonio Sts., San Jose; owner, C. M. O'Brien et al, 223 S-First St., San Jose; contractor, R. O. Summers, 17 N-First St., San Jose.

ALTER storage garage, \$1500; Post and Vine Sts., San Jose; owner, Pacific Greyhound Line, Oakland; contractor, J. E. Davies, 639 Howard St., San Francisco.

RESIDENCE, frame, five-room, \$4500; Third St. near Taylor St., San Jose; owner and contractor, Perry Johnston, 970 Willow Glen Way, San Jose.

REPAIR fire loss to frame rooming house, \$1000; No. 310 W-Santa Clara St., San Jose; owner, Mrs. Craig, 40 Locust St., San Jose; contractor, Wm. Caldwell, 1241 Hedding St., San Jose.

RESIDENCE, frame, 5-room, \$3250; Fourth St. near San Salvador, San Jose; owner, Mrs. M. McCormack, 414 E-William St., San Jose; contractor, Wm. Regel, 945 Delmas St., San Jose.

RESIDENCE, frame, five-room, \$3850; Emory St. near Dana, San Jose; owner and contractor, William O'Neil, 1500 McDaniel St., San Jose.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Aug. 8, 1931—LOT 6, Boynton's Subd of Lot 12 of The Odd Fellow's Savings Bank Tract, San Jose. Steve and Stello Yakobovich to Frank Perez.....August 7, 1931

Aug. 10, 1931—LOT 22 BLK 120, Crescent Park, 7-17-23 R of Maps

36 and 37, Palo Alto. A H Baker to whom it may concern.....August 4, 1931

Aug. 7, 1931—LOT 1 BLK 49, Map No. 2, Seale Addition, Town of Palo Alto. Grace G Gibson to E H Gibson.....Aug. 6, 1931

Aug. 7, 1931—LOT 2, Map of Grangli Subd of the Bergin Rancho O 7 Maps 67 and 68. Edith G Palmatag to Carl Lundholm & Sons.....July 31, 1931

Aug. 4, 1931—NE 1/4 of LOT 1 BLK 2, Hauxhurst Addn. Emil H Magnuson to whom it may concern.....August 4, 1931

Aug. 5, 1931—LOT 3 Resub of Palmetta Park. Earl D Minton et al to Minton Lumber Co.....Aug. 1, 1931

Aug. 6, 1931—LOT 28 BLOCK 142, Embarcadero Oaks adj to Palo Alto. Dena D & Alan C Taft to H H Dabinett.....August 4, 1931

July 25, 1931—N JACKSON ST., bet. Third and Fourth Sts., San Jose. Chan Wing Jing to whom it may concern.....July 18, 1931

July 27, 1931—SW MORSE AND SE Newhall St., San Jose. Herman E Sund to whom it may concern.....July 25, 1931

July 27, 1931—LOT 4 BLK 1, Vendome Grounds. Alfist H Wilson et al to whom it may concern.....July 25, 1931

July 28, 1931—SW MARKET AND Balbach Sts., San Jose. John A Corotto to whom it may concern.....July 20, 1931

July 29, 1931—LOT 13, Kellogg Terrace, San Jose. Henry S Moore et al to whom it may concern.....July 23, 1931

July 29, 1931—SW line 0.701 acre Tract Pay 50 SE W Cor. 0.701 ac tr NE 1/30 SW Washington Ave. Herman E Baum et al to whom it may concern.....July 24, 1931

July 29, 1931—LOT 2 BLK 4, Restwood Park No. 3, San Jose. R F Gardner et al to whom it may concern.....July 20, 1931

July 30, 1931—LOT 3 THIRD & GRANT STS. SW 100xSE 100 ft. part Lot 4 Blk 3, Hawthurst Addition, Palo Alto. Howard and Lillian Weston to whom it may concern.....July 28, 1931

July 30, 1931—NE POPE 257.67 NW Hamilton Ave NW 60.17 NE 147.02 SE 60 SW 142.54 to beg Blk H, Palo Alto. Dallas E Wood et al to whom it may concern.....July 29, 1931

July 30, 1931—LOT 3 BLK 2, Restwood Park No. 2, San Jose. Ernest Lorentz et al to whom it may concern.....July 27, 1931

July 31, 1931—LOTS 59 AND 60 BLK 1, Vendome Park Terrace, San Jose. George S Kocher et al.....July 30, 1931

Aug. 1, 1931—LOTS 7 & 8, Resubd of Lots 1, 7, 8 and pt Lot 3, Castro and Calderon Subd., San Jose. J F Brackett et al to whom it may concern.....July 31, 1931

Aug. 1, 1931—LOT 5 BLK 4, Resubd of Country Club Heights. Charles H Moore et al to whom it may concern.....July 31, 1931

Aug. 1, 1931—LOT 16, Maure Subd., San Jose. Carl C and Louise Maurer to whom it may concern.....July 31, 1931

Aug. 3, 1931—LOTS 8 AND 9, Vendome Park Map No. 2, San Jose. W E Perry to whom it may concern.....Aug. 1 1931

July 27, 1931—LOT 16 BLK A, Easter Gables No. 1. California Wire Cloth Co vs Harold Jennings.....\$280.85

July 27, 1931—LOT 18 BLK A, Easter Gables No. 1. California Wire Cloth Co vs John Doe Tait.....\$500.77

July 27, 1931—LOT 19 BLK A, Easter Gables No. 1. California Wire Cloth Co vs John Doe Van Akon.....\$64.28

July 27, 1931—LOT 14 BLK A, Easter Gables No. 1. California Wire Cloth Co vs Wm W Fell et al.....\$500.77

July 27, 1931—LOT 17 BLK A, Easter Gables No. 1. California Wire Cloth Co vs Mary A Fraser.....\$500.77

July 27, 1931—LOT 37, Los Alamos Acres. William Duckgeischel vs Thomas E Hanley et al.....\$729.48

July 28, 1931—NE GRANT ST. 185 SW Locust St., San Jose. Carmelo Pullaro vs Jack Carnova et al.....\$1757.69

July 28, 1931—LOT 11 BLK A, Easter Gables No. 1. Lucas Mfg Co vs Louis E Richards et al.....\$219.20

July 29, 1931—LOT 22 BLK 6, Seale Addition No. 2, Palo Alto. Roy D Gover vs Leon De Mars.....\$250

July 29, 1931—LOT 37, Los Alamos Acres. H Lowmiller vs Thomas E Hanley et al.....\$270.86

July 31, 1931—LOTS 16, 18, 14 and 3 Blk A, Easter Gables No. 1. Williamssen & Humphrey vs H A Iverson et al.....\$359

Aug. 2, 1931—LOT 8 BLK 50, Seale Addition No. 2, Palo Alto. Walter Penny vs Mary Josephine Halloran Penny.....\$800

Aug. 8, 1931—ALL of LOT 15 and W 30 ft. Lot 16, Fuller Tract No. 4, being Lot 15 of J. P. Murphy Subd., City of Sunnyvale, known as No. 839 Coolidge Ave. Frank X Farry vs Chester A and Thelma I Walton and Charles R and Anita M Fuller.....\$139.10

Aug. 5, 1931—PART LOT 1, P G Keith Subd., Los Gatos. Wm F Cooper vs M F Hughes et al.....\$50

Aug. 5, 1931—SUBDIV A of LOT 76, San Martin Ranch No. 3. James H McElroy et al vs Louis and Louise Moglia.....\$463.67

Aug. 6, 1931—SUBDIV A of LOT 76, San Martin Ranch No. 3. G Romano, \$152; C J and V A Thoeny, co-partners under "Thoeny Bros," \$349.75; Gene Achille, \$476 vs Louis and Louise Moglia.....\$463.67

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded Amount
Aug. 1, 1931—S HAMILTON AVE 376.835 E Santa Clara and Los Gatos Roads; E on Hamilton Ave 60 ft S parl E line Santa Clara and Los Gatos Road 300 W parl Hamilton Ave 60 N parl E line Santa Clara and Los Gatos Road 300 to pt of beg, Part of P. G. Keith Subd No. 1, San Jose. G H Deurell (as Saratoga Electric Co), \$39.50; C H Whitman, \$48.54; Central Supply Co, \$105.28; James S Simpson Jr (as Simpson Tile Co), \$94.25; Richard French and Sylvain Le Delt (as Garden City Glass Co), \$230.22; Vincent Mascarella and Jack Clark (as Standard Plumbing & Heating Co), \$151.47; W Finnemore, \$21; M Mori, \$71; I W Anderson, \$41.70 to Arthur N De Selle.....\$55.85

Aug. 10, 1931—PART LOT 1, P. G. Keith Subd. No. 1, San Jose. Williams & Russo to Arthur N De Selle.....\$55.85

July 28, 1931—LOT 17 BLK 4, Los Altos Park. Sunset Lumber Co to E K Ellsworth et al.....\$55.85

July 28, 1931—LOT 17 BLK 4, Los Altos Park. Tilden Lumber &

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
July 27, 1931—LOT 3 BLK C, Easter Gables No. 1, San Jose, California Wire Cloth Co vs John S Bowman et al.....\$476.77

Mill Co to E K Ellsworth et al
Aug. 8, 1931—PTN OF LOT 1, P. 6,
Keith Subd No. 1 of Maps Page
169, S Hamilton Ave 375x85 E
Santa Clara and Los Gatos Road
and ring E of Hamilton Ave 60 S
parl Santa Clara and Los Gatos
Rd 300 W parol Hamilton Ave 60
N Parl Santa Clara Rd 300 to
point of beg. 1 W Anderson to A
D Selle

BUILDING CONTRACTS

SONOMA COUNTY

STORE BLDG.
NO. 611-617 FOURTH ST., Santa Rosa
All work for demolishing & erect-
ing two-story and mezzanine
store building.
Owner—S. H. Kress & Co., 114 Fifth
Ave., New York.
Architect—John G. Fleming.
Contractor—Lindgren & Swinerton,
Inc., 1726 34th St., Sacramento.
Filed Aug. 5, '31. Dated July 30, '31.
On 1st and 15th of each month 75%
Usual 35 days 25%
TOTAL COST, \$76,285
Bond, \$76,285. Surety, United States
Guarantee Co. Limit, completion of
different parts, Oct. 1, 1931 to Nov.
10, 1931; complete building November
30, 1931. Forfeit, \$50 per day after
Nov. 30, 1931. Plans and specifica-
tions filed.

COMPLETION NOTICES

SONOMA COUNTY

Recorded Accepted
Aug. 8, 1931—NO. 1011 BEAVER ST
near Mason, Santa Rosa. H T and
Mary T Mitchell to whom it may
concern.....August 8, 1931
Aug. 10, 1931—TOYON DRIVE near
Healdsburg. Edward D Kramer
to H E Wallace.....July 31, 1931

LIENS FILED

SONOMA COUNTY

Recorded Amount
Aug. 6, 1931—8.73 ACRES on road
between Sebastopol and Forest-
ville. Tommy Smith vs Leonard
B Ross.....\$50

BUILDING CONTRACTS

MONTEREY COUNTY

PLUMBING FIXTURES
SALINAE. All work for installation
of finish plumbing fixtures in
school.
Owner—Board of Education of Salinas
City School District, Salinas.
Architect—Chas. E. Butner, Glikbarg
Bldg., Salinas.
Contractor—Anderson-Dougherty-Har-
gels Co., Salinas.
Filed Aug. 5, '31. Dated Aug. 4, '31.
Completed and accepted.....\$406.00
Usual 35 days.....137.30
TOTAL COST, \$543.30
Bond, limit, forfeit, plans and speci-
fications, none.

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
Aug. 1, 1931—S KATHERINE AVE
being portion of Rancho Nacional.
F R and Gladys M Berryessa to
L Manning.....July 31, 1931
Aug. 4, 1931—LOT T BLK 2, City
of Salinas. Otto Kusserow to
whom it may concern.....Aug. 1, 1931
Aug. 5, 1931—SCHOOL SITE OF
Central School Bldg., Salinas.
Salinas City School District to S
L Weber.....Aug. 4, 1931

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded Accepted
Aug. 4, 1931—LOT 6 and S 1/2 front
and rear of Lot 5 BLK 29, Andrade
Rosa No. 2, J B and Ora Per-
kins to S E Manning.....Aug. 4, 1931
Aug. 4, 1931—LOTS 1, 2 AND 3 and
N 89 ft. Lot 4 Blk D, Berkeley
Woods. Hugh T & Roberta Lloyd
Dobbins to C H Bessett.....July 28, 1931

LIENS FILED

CONTRA COSTA COUNTY

Recorded Amount
Aug. 7, 1931—LOT 23 BLK 110, East
Richmond Heights Tract No. 3.
Atlas Development Co., Ltd. vs
Fred A Heiter.....\$68.95

RELEASE OF LIENS

CONTRA COSTA COUNTY

Recorded Amount
Aug. 8, 1931—LOT 12 BLK 3, Map
of Fosket Addn No. 2, Town of
Concord. The Diamond Match Co
to Hugo Carlson

BUILDING PERMITS

STOCKTON

RESIDENCE, brick veneer, 5-room
and garage, \$4500; No. 1744 W
Rose St., Stockton; owner, B. T.
Parsons, 902 Beatrice St., Stock-
ton.
DWELLING, brick veneer, five-room
and garage, \$3850; No. 519 West
Rose St., Stockton; owner, Robert
Wagner, Bank of Italy Bldg.,
Stockton.
RESIDENCE and garage, \$6000; 1559
W Willow St.; owner and builder,
T. E. Williamson, 1359 W Park St.
RESIDENCE and garage, \$6000; No.
1559 W-Willow St., Stockton;
owner, T. E. Williamson.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
Aug. 9, 1931—LOT 5 BLK 9, Yo-
semite Terrace, Stockton. Griffith
Wilkes to George Roek.....Aug. 5, 1931
Aug. 3, 1931—LOT 9 BLK 5, Pacific
Manor, Stockton. M A Rader to
S C Giles.....August 3, 1931
Aug. 4, 1931—LOT 24 BLK 18, Subdiv
No. 1, Tuxedo Park, Stockton. F
P Dobson to whom it may concern
.....August 1, 1931
Aug. 6, 1931—LOT 10 BLK 25, Subd
No. 1, Tuxedo Park, Stockton.
Robert W Pratt to M A Orcutt.....
August 5, 1931

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted
Aug. 5, 1931—TAMALPAIS PARK,
Mill Valley. T D Wosser and wife
to Melvin Klyce.....July 29, 1931
Aug. 5, 1931—NOVATO. Joseph
Malfanti Jr to Louis Bormolini.....
Aug. 1, 1931
Aug. 5, 1931—MILL VALLEY. T D
Wosser and wife to Melvin Klyce
.....July 29, 1931
Recorded Accepted
Aug. 10, 1931—ROSS VALLEY, near
San Rafael. M E Souza to E E
Vaughn.....August 10, 1931
Aug. 7, 1931—SAUSALITO. Margare-
ret Dunn to whom it may concern
.....August 6, 1931
Aug. 6, 1931—NEAR INVERNESS &
Pt Reyes Light House. Trans-

pacific Communication Co, Ltd, to
MacDonald & Kahn, Inc.

July 29, 1931
August 6, 1931—SAUSALITO. E W
Jackson to whom it may concern.
1931 12 304F

LIENS FILED

MARIN COUNTY

Recorded Accepted
Aug. 10, 1931—FAIRFAX HEIGHTS.
Camgros Gravel & Fuel Co vs An-
gelina Simonin, G Giorgi et al.
Aug. 5, 1931—HAWTHORN HILLS,
San Anselmo. James Ghlotti vs
Everett W and Mary A Ruhl.....\$266.50

BUILDING PERMITS

(San Anselmo, Marin County)

SAN ANSELMO, Marin Co., Cal.—
Building permits involving an ex-
penditure of \$13,000 were issued by
the town trustees of San Anselmo
during the month of July, as follows:
T. J. Donnelly. Dwelling. Lot 26
Block D, Carrigan Tract. Calumet
Ave. Est. cost, \$3000.
F. C. Estep. Dwelling. Lot 32,
portion Lot 33, Traxler Ranch. But-
terfield Road. Est. cost, \$3000.
James Redpath. Dwelling. Portion
Lot 143-B, Bush Tract. Upper
Scenic Ave. Est. cost, \$1500.
M. G. Dunnigan. Alterations and
addition. Scenic Ave. Est. cost, \$200.
Mrs. Musante. Addition. Green-
field Ave. Est. cost, \$100.
F. C. Bennett. Addition. Portion
Lot 111 Bush Tract. Scenic Ave. Est.
cost, \$200.
V. J. B. Cheda. Trustee, Novado
Hall Assn. Lodge rooms and stores.
Lot 87 Blk 2, Sunnyside Tract. Est.
cost \$3000.
H. H. Hansen. Portion Lot 11 Blk
2, Sequoia Park Section 1. Dwelling.
Est. cost, \$2000.

BUILDING PERMITS

SACRAMENTO

BUILDING, one-story, \$2000; No. 2600
C St., N 1/2 of W to Lot 1, Sacra-
mento; owner, R. Parino, 2613
C St., Sacramento.
HOUSE, 6-room and garage, \$5000; No.
2733 Fourth Ave., being Lot 241,
Heilbron Oaks; owner and builder,
J. Corey, 2921 Y St., Sacramento.
HOUSE 5-room and garage, \$4000;
No. 4108 T St., being Lot 2314,
Elmhurst. Peerless Security Co.,
1009 8th St., Sacramento.
HOUSE, 6-room and garage, \$5000;
No. 2733 Fourth Ave., Sacramento;
owner, J. Corey, 2921 Y St., Sacra-
mento.
RESIDENCE and garage, \$4000; No.
4108 T St., Sacramento; owner,
Peerless Security Co., 1009 8th St.,
Sacramento.
BUILDING, one-story, \$2000; No. 2600
C St., Sacramento; owner, R.
Parino, 2613 C St., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Aug. 3, 1931—LOT 11, J. St. School
Tract No. 4, Sacramento. Thos
A Scott to whom it may concern.
August 3, 1931
Aug. 4, 1931—LOT 11 J St. Tract
No. 4, Sacramento. Thos A Scott
to whom it may concern.
Aug. 5, 1931—LOT 79, McKinley Blvd
Tract No. 2, Sacramento. Chas
H Thompson to whom it may con-
cern.....Aug. 4, 1931

BUILDING PERMITS**FRESNO**

ALTERATIONS and additions, \$2500; No. 332 Fulton St., Fresno; lessee, F. W. Woodworth Co., Premises.
 DWELLING, \$4800; No. 428 Howard St., Fresno; owner and builder, Taylor-Wheeler, Inc., Power Co. Bldg., Fresno.
 ALTERATIONS, \$1000; No. 2020 Fresno St., Fresno; owner and builder, V. A. Baker, 1320 Adelaide St., Fresno.

LIENS FILED**FRESNO COUNTY**

Recorded Amount
 Aug. 8, 1931—LOTS 7, 8 AND 9
 Blk 2, Fresno Home Builders P. V.
 Terrace, Fresno. Chas Thomas vs
 Guy Rutledge et al. \$48

**MISCELLANEOUS
CONSTRUCTION**

(Continued from page 18)

Hetch Hetchy Aqueduct, involving:

- Item 1—Hauling cement from Moy Sliding to Thomas Camp.
- (a) cement in bulk, 18,000 tons.
- (b) cement in cloth sacks, 1000 tons.
- (c) cement in paper sacks, 1000 tons.
- Item 2—Hauling sand and gravel from pits to screening plant and to Corral Hollow, 350,000 cu. yds.
- Item 3—Hauling sand and gravel from stock piles at Corral Hollow to Thomas Camp, 100,000 cu. yds.

Bidder may submit bids on any single item or any two combined or all three items. Such combination is liable to a percentage reduction (at the designation of the bidder) should bids be awarded.

Bond of not less than 50% of the total amount payable under the contract is required with bid.

Specifications and further information obtainable from Bureau of Engineering, 3rd Floor, City Hall.

**MISCELLANEOUS SUPPLIES
AND MATERIALS**

OAKLAND, Cal.—Until August 26, 8 P. M., bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, 512 Sixteenth St., to furnish approximately 50,000 ft. 3/4-inch seamless copper tubing. Specifications (No. LS 59) obtainable from Room 33, 512 16th St.

PHOENIX, Ariz.—Until 3 P. M., August 24, bids will be received by State Highway Department, for furnishing motor vehicle license plates for the motor vehicle division. The approximate quantities are:

- (1) 131,711 pairs, more or less;
- (2) 541 single motorcycle plates, more or less.

Proposal forms and specifications may be obtained from the motor vehicle superintendent, Motor Vehicle Division, Arizona Highway Department, Phoenix, Ariz. Certified check 5%. T. S. O'Connell, state engineer.

BUSINESS OPPORTUNITIES

Names and addresses of persons or firms concerned in the following opportunities will be furnished on request to Business Opportunity Department, Daily Pacific Builder, 547 Mission St., San Francisco, or Phone Garfield 8744:

21277—Dehydrators. Port-au-Prince, Haiti. Firm is anxious to get in touch with manufacturers of small hot air dehydrators.

21278—Corn Shellers. San Francisco. French manufacturer of corn shellers and corn hokers seeks an agent in San Francisco.

21279—Electrical Control Apparatus. San Francisco. French manufacturer of electrical control apparatus seeks an agent in San Francisco.

21280—Presses. San Francisco. French manufacturer of a complete line of presses for tiles, earthenware, refractory, seeks an agent in San Francisco.

21283—Wire, Wire Rope. San Francisco. Manufacturers of wire and wire rope in Holland want to establish Pacific Coast outlets.

21284—Enamel Colors. San Francisco. A Czechoslovakian manufacturer of enamel colors and liquid lustres, used for decorating glass, porcelain and terra cotta, wishes to secure representation.

21289—Representation. Wellington, N. Z. Firm is desirous of securing representation of local exporters of building materials, etc.

21291—Representation. Alameda, Cal. A Consul General of Peru returning soon to Peru wishes to contact local manufacturers wishing representation there.

**ENGINEERING SOCIETIES
EMPLOYMENT SERVICE**

Further information regarding positions listed in this column is obtainable from Newton D. Cook, Room 715, 57 Post Street, San Francisco. (Phone Sutter 1684).

W-2828-C-S SALES ENGINEER to sell a patented jack equipment to contractors in all lines. Commissions amount to \$15 to \$40 an order. Opportunity for active man with acquaintance in any contracting or construction line and in any territory. Commission, 20%. Apply by letter.

R-3617-S SALES ENGINEERS, experienced, to develop sales of a complete line of centrifugal pumps for large Eastern company maintaining Western district manager. Applicants must know pumps thoroughly and be qualified to go after the largest orders in their territory. Liberal commission. Apply by letter with details of experience, references, past earnings, etc. Correspondence confidential. Territories open in all Western States. Headquarters, San Francisco.

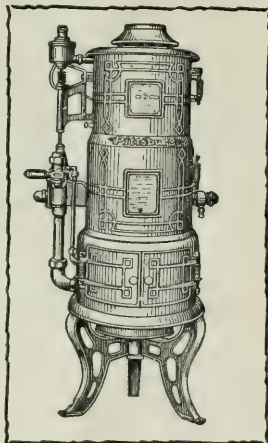
R-3609-S INDUSTRIAL ENGINEER, 30-35 years old, technical graduate, with manufacturing experience including time studies, rate setting and handling problems of labor cost. Must have organizing ability, initiative, tact and abundant energy. Apply by letter giving experience, education and general qualifications, with photo. Salary open. Location, Pacific Coast.

W-2975 ASSISTANT CHIEF ENGINEER, 35-40, graduate mechanical engineer, experienced in the pump industry. Must also have centrifugal pump design experience. Salary, \$400 a month. Apply only by letter. Location, Midwest.

W-2920 STRUCTURAL DESIGNER. Must be American citizen (final papers) not over 45, in good health and physically sound. Free steamship transportation. Salary, \$270 a month. Apply only by letter. Location, Central America.

R-3616-S SALES ENGINEER, experienced selling small centrifugal and plunger pumps to dealers and users, to cover the San Joaquin Valley from San Francisco. Must have car. Salary and commission. Headquarters, San Francisco.

W-3009-C-S (K-377) ENGINEER with laboratory experience in formulating industrial finishes, baking japans and enamels of the bakelite and phthalic anhydride base enamels. Apply only by letter. Location, Midwest.



A "Pittsburg" Automatic Water Heater installed in the Home indicates high quality throughout.

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"Hot water quick as a wink."

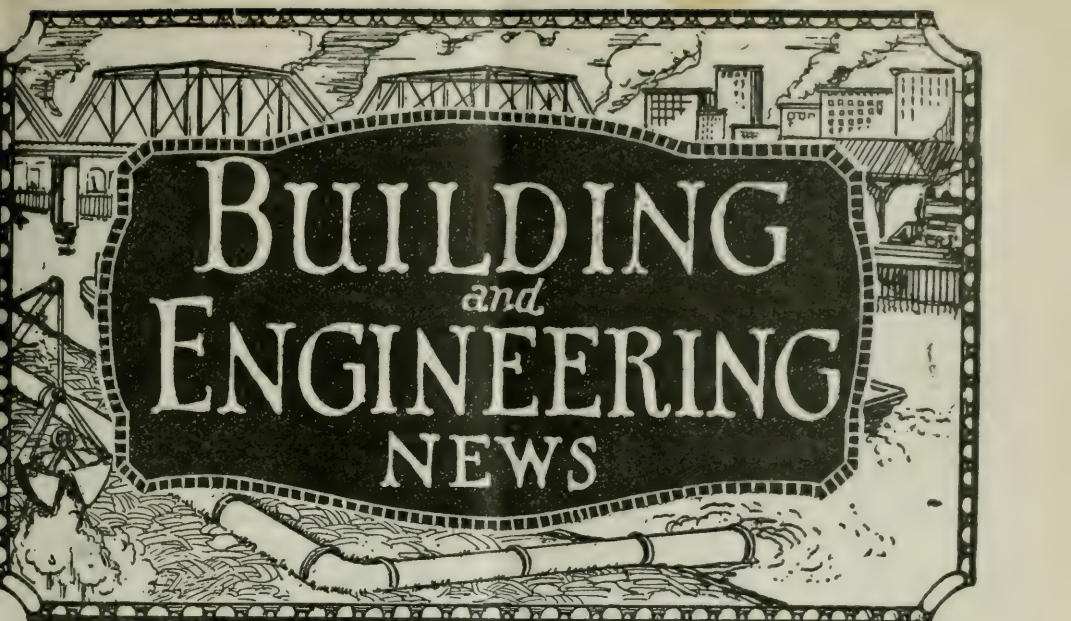
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478 Sutter St., San Francisco

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BUILDING *and* ENGINEERING NEWS

Publication Office
547 Mission Street

SAN FRANCISCO, CALIF., AUGUST 22, 1931

Published Every Saturday
Thirty-fifth Year, No. 34

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

SAN FRANCISCO, CALIF., AUGUST 22, 1931

Thirty-fifth Year, No. 34

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Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

BUILDING OFFICIALS WILL STUDY LUMBER

The Pacific Coast Building Officials Conference, to be held in Berkeley, October 5-10, will devote forty minutes of the first day meeting to discussion of the fundamental principles of grading lumber and the application to the various species of wood used in construction in the Western states, it is announced by Stanley P. Koch, president of the Conference.

Samples of the species and grades will be exhibited and the factors determining the grade and safe loading capacity of each piece will be explained. This symposium will be conducted by A. C. Horner, San Francisco Manager of the Western Office of the National Lumber Manufacturers Association, who was formerly secretary-treasurer of the Building Conference. He will be assisted by grades inspectors of the West Coast Lumbermen's Association, the California Redwood Association and the California White & Sugar Pine Manufacturers Association.

Following a discussion of the factors affecting grades and strength, some 50 pieces of lumber of sizes customarily used in construction will be placed on exhibition near convention headquarters, and building officials will have an opportunity to examine them at their convenience and estimate the grade and strength of each piece.

On the last day of the convention the results of these individual estimates will be checked and attention will be especially devoted to a discussion of the grade and strength of these pieces concerning which the most errors are made.

Several prizes will be awarded for grading judgment, one of them being a pair of candlesticks made from wood from the old roof of the White House at Washington, which was in place for 112 years without deterioration.

BAY BRIDGE PLAN OFFICES LEASED

San Francisco offices for the technical staff of the San Francisco-Oakland bridge will be opened in San Francisco this week, it is announced by C. H. Purcell, state highway engineer.

Quarters at 500 Sansome Street have been leased by the state highway department and will provide planning accommodations for a staff of 70 engineers and technicians, Purcell announces.

Bids for the borings for the San Francisco-Oakland bay bridge will be asked in the immediate future.

S. E. Whittemore, for the last six years connected with the Benson Lumber Company of San Diego, has been appointed general sales manager of the company.

COLMA SEWER FEES SUBJECT OF PROBE

The San Mateo county supervisors have instructed Franklin Swart, district attorney, to investigate "incidental expenses" of approximately \$25,000 contained in the \$131,000 assessment roll of the Colma Sanitary Sewer District.

The investigation follows charges by thirty-one property owners of the district and County Surveyor James S. James that fees of Robert Klassen, engineer of the work, and A. J. Scampini, the attorney, were "unreasonable and exorbitant."

Klassen's and Scampini's fees make up almost the entire amount of the incidental expenses, according to the protestants.

Engineer James charged that there was an "excessive charge of between \$9000 and \$11,000 in the present assessment roll of the district" and that the affidavits of expenses of Klassen and Scampini don't support the roll. James said that the items in error made the whole assessment diagram of the district incorrect, and that new affidavits would have to be made before the board could approve the roll.

After both sides has been heard, Supervisor Thomas L. Hickey moved the matter be referred to the district attorney to determine if the law had been complied with in regard to vouchers filed with the county engineer, and that Swart report to the board at the meeting September 1.

All Hail! All Hail! The County Engineer

Few members of the profession are of necessity so ingenious as the county engineer. Ingenuity is often a natural result of enforced economy, and the county engineer's major task is to make a dollar go the limit. His work is largely concerned with highway and bridge matters, although every other sort of public service engineering is thrust upon him—repairing or even building the courthouse, constructing drainage systems, building flood-protection works or surveying building plots. His force is not large and generally is untrained. He must be a capable office manager and a shrewd politician, in addition to being designer, construction superintendent and maintenance supervisor, sometimes all of them in a single day. As compensation for these manifold duties he is paid a salary which is often ridiculously low. Yet, despite his difficulties, the county engineer carries on, truly exemplifying the traditional characterization of the engineer as "an ingenious man" who can "do for one dollar what any fool can do for two." We are proud to salute him for his accomplishment under what often seem to insuperable difficulties.—(Engineering News-Record).

LUMBER TERMINAL PLANNED ON HARBOR

Tentative plans for the creation of a lumber terminal on the San Francisco waterfront to expedite the handling of that commodity are being worked out by Frank G. White, chief engineer of the State Harbor Commission.

Local lumber interests petitioned the harbor commission to provide more adequate facilities to speed the transit of lumber from ship to shore and to other vessels.

It is considered possible that the plan for a lumber terminal may fit into the line-up of the grain terminal project at Islais Creek, as has been talked of for some time.

P. W. Meherin, president of the board, said the request of the lumber interests appeared reasonable, and declared that creation of a lumber terminal would undoubtedly result in increased tonnage and save ships and shippers a great deal of time.

SANTA BARBARA TO LICENSE CONTRACTORS

A revised draft of the proposed ordinance to license contractors has been submitted to the city council of Santa Barbara by the Builders Exchange of that city. The original draft of the ordinance previously submitted was withdrawn.

As revised the proposed ordinance provides for bonding contractors under three classifications as follows: Class A, general contractors handling public buildings and any private building costing more than \$10,000, license fee \$50, bond \$5,000; class B, any contractor handling public buildings and private buildings costing less than \$10,000, license fee \$25, bond \$2,500; class C, sub-contractors, license fee \$25, bond \$2,000. The bond is for protection of the owner against non-compliance with city building regulations.

PORT OFFICIALS ELECT OFFICERS

George B. Lamping, Seattle port commissioner, was elected president of the Association of Pacific and Far East Ports at the close of the 1931 convention held last week at Vancouver, B. C. J. R. West, engineer for the Port of Seattle, was elected secretary-treasurer. Other officers elected were: Ralph D. Fisher, Oakland, and K. F. Stone, Astoria, Ore., vice presidents.

Trustees included B. G. Hansaul and S. McClay Vancouver, B. C.; F. H. Meherin, Portland; M. M. Meherin, San Francisco; Burt Edwards, Los Angeles; R. G. Wright, Olympia; F. J. Coulter, New Westminster, B. C.; J. B. Mapes, Port Angeles, and J. W. Brennan, San Diego.

HUNDRED MILLION DOLLAR BOND ISSUE PROPOSED FOR STATE TO FINANCE HIGHWAY CONSTRUCTION

State Senator Roy Fellom of San Francisco Proposes Measure as Unemployment Relief—Issue Would Be Amortized by a One Cent Increase in the State Gasoline Tax—Election in November Would Make Funds Available to Meet Winter Emergency

Plans for dealing with the urgent problem of unemployment relief in California this winter on a comprehensive state-wide basis were announced yesterday by State Senator Roy Fellom of San Francisco.

Fellom's proposal calls for the immediate launching of an initiative measure to be submitted to the people and providing for a state bond issue of \$100,000,000. Half of the proceeds of the issue would be devoted to the elimination of railroad grade crossings, with provisions for loans to the railroads to meet their share of expenses. The other half would be allocated to the 58 counties of the state, to be expended on the county highway system.

The entire bond issue would be amortized by a one cent increase in the state gasoline tax.

Under this plan, Fellom pointed out, the burden of meeting the unemployment and relief emergency would be distributed evenly among all the people of the state. At the present rate of increase in gasoline consumption the proposed \$100,000,000 bond issue could be retired in ten years or less.

Fellom plans to urge upon Governor James Rolph, Jr., the calling of a special election at which the proposed bond issue would be voted upon by the people.

Since the governor has already announced his intention of calling a special election on the referendum of the oil conservation measure passed by the last legislature, the election on the proposed bond issue could be held at the same time without additional cost.

The setting of an early date for the special election, probably coinciding with the municipal and county elections to be held in November, would make the bond issue funds available sufficiently early to meet the winter emergency.

"On every hand there is evidence that the unemployment situation will be much worse this winter than it was last year," said Senator Fellom. "There is no question but that hardship will be severe and general unless drastic measures are resorted to for the relief of those in distress."

"While many local proposals for dealing with unemployment have been made in various cities of the state, no steps have been taken for dealing with the problem on a statewide basis. Yet the problem is distinctly statewide in its nature and one that should—in fact will have to—be met with the resources of the state government."

"Before deciding to present this proposed bond issue to the people I considered carefully all other possible means of dealing with the situation on a statewide basis. This is the only plan I am aware of that will make sufficient funds available in time to deal with the emergency."

"The passage of the bond issue would not only result in the immediate employment of tens of thousands of men throughout the state but would also result in a great stimulation of many branches of business and industry related to highway and grade crossing construction."

"The reason I propose to have the bond issue proceeds limited to this type of work is that the gas tax presents the only immediately available means of raising sufficient funds, and funds derived from a gas tax must necessarily go into highway construction."

Fellom stated that the circulation of



SENATOR ROY FELLOM

initiative petitions would be begun as soon as possible in order to pave the way for the calling of the special election at the early date suggested.

Provisions would be made under the terms of the bond issue, Senator Fellom stated, for the employment of bona fide residents of California only.

TWO CONTRACTING FIRMS BANKRUPT

A schedule showing no assets and liabilities of \$759,123 has been filed in federal court, San Francisco, on behalf of Barr & Son, and Hostetter, Barr & Son, Oakland contracting and building finance concern.

An voluntary bankruptcy petition against the two concerns was filed August 6.

The principal creditors are the Fidelity Mortgage Securities Co. and the Fidelity Guaranty Building and Loan Association, both of Berkeley, with combined claims of \$339,549, and the latter with a separate claim of \$88,000. Another creditor is the State Life Insurance Company of Sacramento, for \$350,000.

According to Attorney Geo. F. Sharp of Oakland, who filed the schedule, all these liabilities are fully covered, and the unsecured total is "comparatively small."

The two concerns were prominent in the apartment house construction field in Oakland several years ago.

OREGON BUILDING CONGRESS AIMS TO MEET UNEMPLOYMENT

Preliminary steps taken by the Oregon Building Congress paves the way for relieving the unemployment situation in the building trades at Portland.

A committee, recently appointed by the Congress, has submitted a plan for the best procedure in facing the present unemployment situation, according to G. B. Herrington, chairman of the Congress.

The report of the committee, which was unanimously approved, is summarized as follows:

A civic building service bureau shall be sponsored by the Oregon Building Congress and the civic emergency committee. The function of this organization which is non-profit-making and is existent only for the purpose of meeting the present unemployment situation, will be to promote building and the creation of work through the better management which a central building bureau working for public good can afford. This organization will interfere in no way with construction plans that already are under way through the efforts of persons outside the bureau.

Three objectives on the construction policy have been named. First will be "A"—for the betterment, renovation, revision and improvement of residence properties, in the main involving such work as will cost up to around four or five thousand dollars. In this group the following units have been outlined: listing, financial and physical examination, survey and planning, estimating, closing, execution and settling up.

The second objective "B", is for the betterment, renovation, revision and improvement of income-bearing properties. The units of this group are: a discovery of such property, examination, contact and promotion, and a following through of the deal.

The third objective is for new building construction projects, and the divisions included under this heading are discovery, projection, examination, contact and promotion.

The three objectives as stated above give only a very brief indication of the thoroughness with which the plans have been worked out. Provision has also been made for the other departments of activity which such an organization would include.

L. A. PLASTERING ORDINANCE AMENDED

Two important amendments to the Los Angeles plastering ordinance, so called, (Section 201 of the city building code, Ordinance No. 28,700), have been adopted within the last month.

The last one, effective September 1, changes Subsection (a) containing specifications for wood lath. This Subsection has been revised and rewritten to make it more definite and to raise the standard of lathing.

The other amendment, which became effective July 7, changes Subsection (m) containing specifications for exterior plastering so that 7 days must elapse before the application of the third coat. Previously no time limit had been set. The amendment also requires the third or final coat to be at least 1/16 of an inch thick.

Non-union riveters at Pittsburg, Pa., on a county bridge job walked out July 2, demanding union rate of \$1.27 per hour instead of 40c to \$1 being paid. County commissioners passed resolution requiring contractors to accept local union scale as the prevailing rate.

THE OBSERVER

What He Hears and Sees on His Rounds

"An architect is a curious sort of animal," says Robert D. Cobb, president of the American Institute of Architects. "One thing he is taught that gets into his bones is that shoddy stuff is unbearable. He wants to see good stuff. He spends his time studying a project and working it out because he hopes it will be the most beautiful thing in the world, and it never is."

The Empire State Building tower is proving to be a paying proposition. According to recent reports, 3000 to 5000 visitors a day are paying one dollar apiece to make the trip to the top of the tower and look down on the city. By the end of the year it is estimated that \$1,000,000 will have been taken in from the visitors.

A rush of idle men to Reno from California in the belief that work is plentiful is complicating a serious unemployment situation in Reno, Nev., according to Chief of Police J. L. Kirkley. Labor leaders and employers state many men are available for every possible job and that the labor market in Nevada is glutted.

A committee of Santa Barbara architects is collecting comparative data showing the relation between building costs in Santa Barbara and those of other communities. The Orange County Builders' Exchange has been asked to cooperate in the survey by figuring a set of plans and specifications for a small house. The chief object of the survey is to determine the relative cost of building materials and labor in the different localities.

Building materials as a group have decreased only about 4 per cent in price in the last year, according to Engineering News-Record monthly quotations. Cement, though 17 per cent below the price of a year ago, rose 6c during the last month. Very slight increases are noted also in crushed stone, common brick, lumber and sewer pipe. Small decreases are shown in hollow tile and hydrated lime. Prices of other materials are the same as a month ago. Three materials, namely, crushed stone, hollow tile and lump lime, are actually a little higher than in August, 1930.

The new state law authorizing a 5 per cent preference in the purchase by the state, cities and counties of California of manufactured goods, and in the letting of public improvement contracts, is upheld by Attorney-General U. S. Webb. The ruling was made to Fred W. Links, superintendent of the bureau of accounts of the State Department of Finance. The San Francisco Board of Supervisors recently instructed all city department heads to give the preference.

The town trustees of Hillsborough, San Mateo County, at their meeting last Tuesday declined to act on a recommendation asking passage of an ordinance providing that architects must be employed on buildings erected within the town limits where the cost exceeded \$10,000.

The Highway Director of Washington State has been instructed by the governor to award road contracts only to those specifying employment of

citizens of the state. Violation of this ruling will mean forfeiture of contract.

The Los Angeles County Supervisors are awaiting an interpretation of the supreme court's opinion holding approximately \$22,200,000 of the unsold bonds for the San Gabriel flood control dam can be used to construct three smaller dams instead of the high dam originally planned but abandoned because a safe foundation could not be found, before taking any action. County Counsel Mattoon has been asked to study the court ruling and make a report.

Common labor rate on state highway work in Ohio has been fixed for the remainder of 1931 by an agreement with contractors and the state director of highways. The schedule provides 50c in Cuyahoga and Montgomery counties; 45c in Lucas and Hamilton counties; 40c in Franklin county, and 35c minimum for the rest of the state.

Five contractors were indicted July 23 in Baltimore for violation of the charter provision fixing minimum wages on all municipal construction work.

More than \$38,000,000 — an amount exceeding by approximately \$5,000,000 any previous report—was spent for recreation in 1930, according to the National Recreation Association. Nearly one-third of the total amount was spent for land, buildings, and improvements in the 980 cities covered by the Recreation Association survey.

Colton, Calif., has withdrawn from the Metropolitan Water District created in Southern California to bring Colorado river water to that section. The proposed aqueduct would run a mile west of Colton. San Bernardino is another city that has withdrawn from the district.

The deaths on the country's greatest construction job, Hoover dam, have totaled 26 since operations began in May.

A report to the department of the interior from John C. Page, government construction engineer, showed that 13 men have died from heat prostration. Since June 21 the thermometer at the dam never has fallen below 79 and has soared at times to 125 degrees in the shade.

The temperature record submitted began with June 21, when the maximum at the canyon bottom was 108 and the minimum 79. On July 5 the maximum was 126 and finally reaching 128 degrees on July 27 and 29.

The efficiency and personnel committee of Los Angeles City Council has recommended that 700 technical employees of the city engineering department be placed on part time to avoid possible layoffs. Retention of engineers whose training has cost the city much time and effort is considered highly desirable as it is believed their services will be needed later on to speed up public improvement work.

ALONG THE LINE

William Jensen, 52, general contractor of Davis, Calif., died in a Sacramento hospital last Tuesday, following a long illness. He was a native of Iowa and lived in Davis for the past 12 years.

W. L. Hook, former engineer of the California Redwood Association, has joined the sales staff of the Hammond Lumber Co. in San Francisco and will promote the sale of structural redwood for bridges in California, Arizona and New Mexico.

Thos. D. Hunt, county engineer of King County, Wash., has been officially raised to rank of captain of engineers by the U. S. War Department. Captain Hunt formerly assigned to the Sixth Engineers, is now unassigned, but holds the rank of captain in the reserve.

T. J. Foster of the National Bridge Works has been elected a director of the American Institute of Steel Construction. The resignation of L. L. Gadd as treasurer of the Institute was accepted by the directors and Foster was named to that place.

George W. Malone has been reappointed state engineer of Nevada by Gov. F. B. Balzar. Malone's term expired on March 23, when he concluded four years of service in the post. Malone, by virtue of his office as state engineer, is a member of the Nevada Public Service Commission. He was recently reappointed a member of the Nevada - Colorado River Development Commission.

New orders booked during the 2nd quarter of 1931, as reported to the Bureau of the Census by 84 manufacturers of electrical goods, were \$225,456,706, as compared with \$182,485,841, for the 1st quarter of 1931, and \$292,902,071, for the 2nd quarters of 1930.

PLUMBING FRATERNITY TO MEET IN SAN JOSE

Manufacturers, jobbers and merchants in the plumbing and heating industries from all Northern California will convene in San Jose on September 26 for the second conference of the Northern California Federation of Plumbing and Heating Industries. The conference will be held at the Hotel Sainte Claire and will be attended by more than four hundred delegates.

A meeting of merchant plumbers will be held at 2:30 in the afternoon, followed by a banquet in the evening and another conference. During the evening conference the ladies will enjoy a whist party in the lobby of the hotel, with dancing occupying the latter part of the evening.

The San Jose committee is headed by Charles A. Merritt, general chairman. Other committees are: Arrangements, William Serpa, J. Fisher, O. C. McDonald, F. Hooker and H. Moetzer; reception, J. Peabody, A. J. Peters, Norman Merritt, Norman Robinson, C. Dunn, Ted Hansen; entertainment, William Serpa, Charles Down, H. Pascoe, William Peters and L. J. Van Dalsem. Alexander Coleman of San Francisco, president of the federation, has issued a cordial invitation to all members to attend.

HERE—THERE EVERYWHERE

Because they contracted and installed plumbing without "proper qualifications," Herman & Tedresse of Fresno were fined \$25 by Police Judge Erichton of Fresno. Complaint was made by Jean L. Vincenz, city commissioner of public works.

Western Red Cedar Exploitation Company has been organized by 11 of the large mills in Washington and British Columbia to push the sale of western red cedar siding throughout the U. S. Special efforts will also be made to develop new uses for cedar logs.

Painters engaged on the interior of the Internal Revenue Building at Washington, D. C., are being paid \$11 a day. This wage was held by Secretary Doak to be the "prevailing wage" for painters in the District of Columbia.

Seattle, Wash., has been selected as the 1932 convention city for the Association of Pacific and Far East Ports. The association closed its 1931 convention in Vancouver, B. C., on August 15.

The Stanislaus County Supervisors have decided on a reduction of 50c a day in wages paid for county labor. The new scale will be \$3.50 instead of \$4 a day.

A building code to apply to all construction on the State of Oregon will be advocated at the next legislature, O. G. Hughson, organizer of the Oregon Building Congress announces. Data on actual facts concerning dangerously constructed buildings will be presented to the legislature.

Members of the San Francisco unit of the Gas Appliance Society chose S. W. Newman of Charles Brown & Sons as president for the ensuing year. Graydon Milton, Pacific Gas & Electric Company executive, was chosen secretary. Phil Harris of Redlick Newman Company was elected vice-president.

Since special assessments for street paving would be a heavy burden on many Chicago taxpayers already pressed by high taxes and reduced incomes, the Board of Local Improvements has abandoned 159 paving projects estimated to cost \$12,184,000, or nearly 20 per cent of the total program.

The average hourly rate for skilled building trades mechanics is \$11.19 per hour, compared with \$1.23 in July and \$1.39 in August, 1930, according to statistics compiled by Engineering News-Record of New York. The skilled wage in manufacturing is 63.9c per hour. The national average for common labor is 44.84c per hour, compared with 47.21c in July and 56.15c in August, 1930. The unskilled rate in manufacturing is 46.4c per hour.

California Corrugated Culvert Co., West Berkeley, Calif., has issued a 40-page supplementary catalog containing drawings, engineering data, installation photographs and other information relating to the use of Calco automatic drainage gates for the solution of drainage and flood control problems.

The ninth annual convention of the American Institute of Steel Construction will be held at the Greenbriar Hotel, White Sulphur Springs, W. Va., October 27-31.

Special attention will be given the internal problems of the steel construction industry at this convention, stressing the economic as well as the technical problems. The field is now being canvassed to find the proper speakers to discuss the subjects which are being outlined. New markets and the technical improvements in material to fill those markets will be fully discussed.

Some of the leading mill representatives have already accepted invitations to attend. The convention will be so arranged as to permit of a number of round-table discussions of specific problems.

Universal Concrete Gun Co. of Los Angeles, capitalized for \$10,000, has filed articles of incorporation in Oakland. Directors are W. F. Webb, A. P. Cox and Stacia Webb, all of Los Angeles.

San Francisco Construction Co., Inc., of San Francisco, has filed articles of incorporation with the county clerk. The company is capitalized for \$50,000. Directors are D. M. McRae, J. W. Asch and Paul Stewart.

The highest airplane landing field in the United States, located at an elevation of 9000 feet on South Fork Meadows in the Inyo National Forest, has just been opened, according to Forest Service Officials.

Streets should have a minimum width of 36 feet with two lanes of traffic and parallel parking, according to M. O. Eldridge, chairman of the traffic committee of the city officials' Division of the American Road Builders' Association.

Permission has been granted by the State Railroad Commission to The California Oregon Power Company to issue \$1,000,000 of six per cent preferred stock. Series of 1927, in exchange for \$1,000,000 outstanding six per cent and seven per cent preferred stock, and also to issue and sell \$1,000,000 of six per cent preferred stock, Series of 1927, at not less than \$99 per share, and to use the proceeds derived from the sale thereof to finance its 1931 construction budget. The total amount of this budget is \$5,331,884.49, and includes expenditures in both Oregon and California.

A program for improving the position of the stockholders of the Consolidated Rock Products Company of Los Angeles, promised in the annual report of the company submitted February 18, has been prepared by the management and received the approval of the board of directors at its meeting Friday in Los Angeles. The program calls for a readjustment of property values on the basis of present utility values and the reduction of stated capital of the company in accordance therewith. This move eliminates excessive charges for depreciation required under the original property values set up at the time of the organization of the company in January, 1929, thereby making it possible to create a surplus more quickly for dividend payments on the basis of current earnings.

Wages actually being paid five trades in 32 cities average 95c per hour against an average official or union rate of \$1.15. This is a break in the official rate amounting to 17 per cent, according to Engineering News-Record.

Statistics relating to the Portland cement industry in 1930 compiled by the United States Bureau of Mines, Department of Commerce, from the final returns of the producers for the year confirm the estimates published by the Bureau of Mines early in January.

Production of Portland cement in 1930—161,187,228 barrels—showed a decrease of 6.6 per cent from 1929, and of nearly 9 per cent from 1928, the highest year of production.

Shipments of Portland cement from mills in 1930 amounted to 159,059,334 barrels, valued at \$228,719,756, a decrease of 6 per cent in quantity and of more than 9 per cent in gross value. The average factory price per barrel in bulk in 1930 was \$1.44, a decrease of 4 cents per barrel as compared with 1929.

Producers' stocks on hand at the mills increased, reaching a total of 25,838,427 barrels on December 31, 1930. They were 9 per cent higher than at the end of 1929, and represented the largest stocks on hand at the end of any year since the beginning of the official statistical record of this item.

Improvements in the real estate business, especially in the number of residence sales made recently, was noted by Guy W. Ellis, Director of Sales Conferences of the National Association of Real Estate Boards after a month's tour of central, south-west, and coast cities.

Realtors in sixteen cities are encountering a new demand for homes and sales of residences are decidedly on the up-grade in these places, according to Ellis.

Realtors in Seattle and Portland declare that they are not only experiencing a rise in residence sales, but that sales are increasing on which all cash down to the first mortgage is paid.

The other cities in which Ellis heard reports of activity in residence sales include: Pueblo, Colorado Springs, and Denver, Colo.; Omaha, Neb.; Sioux City, Council Bluffs, Cedar Rapids, and Davenport, Iowa; Houston, Dallas, and Fort Worth, Texas, and Stockton, Calif. Improvements in sales of small farms was reported by firms having headquarters in Cedar Rapids, and Wichita, Kansas.

Ellis, who conducts conferences in which new sales approaches and material is given to local realty men, states that "the greatest evidence of improvement are generally in towns that have had no boom whatever, and are not industrial centers."

Charles Coffey of San Jose has been a deputy in the office of Robt. Chandler, county surveyor of Santa Clara County. Coffey, a Stanford University graduate, has had a wide experience in road work. He served Santa Clara county as inspector in charge of the Hecker highway construction in 1926 and in the Saratoga-Summit road construction—two of the largest road building achievements of the county in recent years. Following this he was associated with the surveying and civil engineering firm of H. B. Fisher of San Jose. Prior to his work for the county he worked as engineer for the state highway commission and with private road contracting firms.

Upon the complaint of E. A. Brunt-sch, city building inspector of Willow Glen, Santa Clara County, John F. Nugent, San Jose plumber, was arrested last Friday on a charge of violating the city plumbing ordinance. Judge Dana Thomas admitted Nugent to bail of \$500 and set his case for next Wednesday.

Reports of new orders for fabricated steel for the week ending July 25, 1931, were received from 104 establishments whose capacity represented 52.4 per cent of the total capacity of all plants in the United States. The bookings reported by these establishments amounted to 17,472 tons, representing 36.2 per cent of the total capacity of reporting establishments. Reports of shipments of fabricated structural steel for the same week were received from 96 establishments, whose capacity represented 50.1 per cent of the total capacity of all plants in the United States. The shipments reported by these establishments amounted to 24,946 tons, representing 54.0 per cent of the total capacity of the reporting establishments.

The numerous important uses of concrete are interestingly depicted in a one-reel motion picture film entitled "Construction That Endures," prepared under the supervision of the United States Bureau of Mines, Department of Commerce, in co-operation with an industrial concern. Copies of the film may be secured by contractors who wish to interest clients in the use of concrete, from the Pittsburgh Experiment Station of the United States Bureau of Mines, Pittsburgh, Pa.

Business troubles reported to the "Blue Book" published by the National Lumber Manufacturers Credit Corporation during the month of July are as follows:

JULY—1931

- 15 Bankruptcies.
- 10 Receiverships.
- 1 Composition Settlement.
- 4 Creditors Committees Appointed.
- 2 Extensions.
- 5 Assignments.

JULY—1930

- 17 Bankruptcies.
- 4 Receiverships.
- 2 Composition Settlements.
- 4 Creditors Committees Appointed.
- 2 Extensions.

Requests for special credit reports received during the month exceeded requests for the same month last year by 11% which is an indication that credits are still being carefully checked.

"Claims placed for collection increased by 40% over a year ago with the average claim involving about 10% more. Collections were much more difficult than a year ago," says the "Blue Book."

The statement that we should not burden the future generation with debts to pay for improvements made now is only partially true as applied to highways, says R. G. Browning, chairman of the highway location committee of the American Road & Builders Builders Association.

"Some highway improvements are permanent or semi-permanent and the next generation should assist in paying for them," continued Mr. Browning. But the next generation should not be charged with improvements that are worn out or abandoned. A properly located road may be considered permanent as to the right-of-way but when I say "properly located," I mean just that.

"The distribution of cost of highways to future generations should be conditioned on proper location and sufficient right-of-way. On the surface, the lower the type of the surface, the more the cost should be charged to the present and not to the future," he concluded.

Savings in transportation costs and the time of motor vehicle owners have made bond issues for highways profitable to many states and counties, according to W. R. Smith, presi-

dent of the American Road Builders' Association. In addition, great added prosperity comes to the nation after the roads are built.

Advantages of Toncan copper molybdenum iron as a pipe material are discussed in a 64-page illustrated booklet, "Toncan Iron Pipe for Permanence," issued by the Republic Steel Co., Youngstown, Ohio. Information flows in many branches of industry, processes of manufacture and applications are presented on physical characteristics.

Portland reports more than 28,000,000 ft. of lumber shipped from that port by water during July, the largest amount for a single month during the current year.

Perched on the summit of a high hill in Escondido, Calif., stands a concrete Indian tepee 50 feet in height and 60 feet in diameter at the base. It is the home of A. L. Houghell, prominent cattleman, who believes it will be a cool and comfortable residence although it may be a radical departure from the orthodox home building.

Elaborating the new Soviet policy toward the old technical intelligentsia, J. E. Rudzutak, assistant chairman of the Council of People's Commissions, asserts all who want to work honorably and respectably will be given the opportunity regardless of "yesterday."

Painting a rosy picture of the future of Soviet Russia, he says industrialization plans have surpassed expectations. This, he adds, should lead to the greatly improved living conditions for workers as a whole with completion of this year's program.

Emphasizing importance of "our technical backwardness," the Soviet leader called for wider cooperation between the new and old intelligentsia, asserting while the nation must develop its own proletarian technical leadership as Joseph Stalin advocated, it was foolish to rely on new engineers alone.

"The question now is, will the old engineers work with or against us?" Rudzutak said, answering his own question by saying most of the capitalists of the country had been conquered and it now remained only to win over the specialists of the old order completely.

He pointed out there would be some difficulty in assimilating some of this class into a socialistic state, however, because many view the working man as ignorant.

"The tenth annual conference of Electrical Leagues, just closed at Association Island, N. Y., brought evidence of renewed interest in league activity, particularly among utility companies," says The Business Week. "Leagues were originally organized in various cities to promote better local cooperation between utilities, manufacturers, wholesalers and various types of retailers of electrical goods, and to provide a mechanism for systematic development of local markets. In recent years they have no more than marked time, in some places lost much ground."

"Since Kansas and Oklahoma legislated the utilities out of the merchandising business, existing local leagues in those states report a revival. Utilities urge them to promote better selling by dealers; dealers are interested in local cooperation to make the most of their new opportunity. Lawrence and Leavenworth have just formed leagues."

"In Tennessee, Missouri, California, Illinois where agitation against utility merchandising is strong, but where laws proposed during the last legis-

lative session were either defeated or tabled, support of league activities is growing. Illinois now has one, California has one headquarters organization with over 26 branches."

"In other states, where legislative restraint is not immediately in prospect, many utilities are improving their public relations through supporting local leagues or similar organizations."

In Japan, Mr. Tani believes that the way to do a thing is to do it. So while other towns are talking about stimulating employment, getting business back on its feet, encouraging building and otherwise showing interest in affairs of civic concern, the Joplin folks have gone to work. Here is their plan—a quintuple extract of sound philosophy, applied psychology and practical business effort.

Philosophy: Building and remodeling are necessities of the times; they keep up "appearances," comfort and convenience and provide ample, livable housing accommodations. They will also stimulate business and employment. And, with material prices and labor charged down where they are, there is no more economical time for the home owner to put his dollars to work.

Applied Psychology: Sell the completed article and pick a salesman to whom the prospects will listen. Quietly patrol the town, taking note of every improvement which it appears could profitably be made. Prepare a sketch of the completed improvement. Don't send this to the prospect by a door-bell ringer. The prospect may be preoccupied. Let a committee of two or more representative citizens, a banker, an architect, a material dealer, a lawyer or perhaps a doctor call upon him. He will recognize them as salesmen of an idea—not order takers. The whole idea, including probable costs and financing can be discussed in a way to evoke the prospect's interest—possibly his enthusiasm. New building or remodeling of the interior of his home can be discussed.

Practical Business Effort: The committees have been formed and the business men have gone to work, achieving results. A way has been prepared for the order takers and civic betterment is being accomplished along practical lines.

Reports of new orders for fabricated structural steel for the week ending July 18, 1931, were received from 104 establishments, whose capacity represented 54.3 per cent of the total capacity of all plants in the United States. The bookings reported by these establishments amounted to 24,069 tons, representing 48.0 per cent of the total capacity of reporting establishments. Reports of shipments of fabricated structural steel for the same week were received from 100 establishments, whose capacity represented 52.0 per cent of the total capacity of all plants in the United States. The shipments reported by these establishments amounted to 24,362 tons, representing 50.7 per cent of the total capacity of the reporting establishments.

Writing In Nation's Business, Bruce Smith, Director of the Chicago Police Survey, says: "Business can whip the racketeer if they will put their minds to it. The trouble is that too many times when the opportunity presents itself for the businessman to meet this problem, to shoulder his responsibility, he measures the thing in terms of immediate profits and loss."

Following alleged attempts to induce city employees of the city engineering, park and street departments to join a labor union, the Reno, Nevada, city council unanimously passed a resolution declaring that city employees are not to be coerced into joining any union. The council, however, does not forbid city employees joining unions.

The effort to unionize city employees was started three weeks ago and, according to reports current around the city hall, Mayor Roberts sanctioned the movement when it was laid before him by certain labor leaders.

Last week, it was disclosed at the council meeting, at least one city employee was told that August 20 was the final date for him to join the union and that orders had gone out from the mayor's office to that effect.

The executive committee of the American Federation of Labor in a statement on unemployment accuses the managers and owners of industry of "standing impotent and helpless in the midst of all the existing distress."

Expressing the opinion that the president of the United States should assemble a national conference of representatives of labor and industry, the council, in a statement, said the conference could deal with the subject in a direct way.

"An irresistible demand for work," the statement said, "had been created by the cry of distress."

The executive committee recommended a five-day week, a six-hour day with maintenance of the same wage scale and immediate federal and municipal construction programs to alleviate unemployment distress. It said no concrete plan had yet been provided by government or industry and cited unemployment relief legislation as the alternative to immediate action.

Voters of San Diego rejected three propositions submitted at a special election for transfer of funds to carry out water development plans of the city administration. One proposition was to strengthen a dam which the state engineer has said must be made safer. A very light vote was cast.

Construction will be started at once in Stockton on a new plant for the Fraser Gas Furnace Company. The plant will involve an expenditure of \$60,000 including equipment. According to plans prepared by Frank Mayo, Stockton architect, the building will be one story in height, 110 by 150 feet, of brick and steel construction. Fay Zink of Stockton is the general contractor.

Modoc Logging Railroad, a Nevada corporation, has filed articles of incorporation with Secretary of State Frank C. Jordan. The company has a capital of 1000 shares without par value. The officers are L. R. Shaw, president; L. L. Shaw, vice president, and W. C. Van Emon, all of Klamath Falls, Oregon.

Hundreds of delegates from the eleven western states, Hawaii, Alaska, Canada, and Mexico, will assemble in Oakland, September 17th and 18th, for the eighth annual convention of the Pacific Foreign Trade Council.

The city trustees of El Cerrito, Calif., have adopted an ordinance fixing the city engineer's compensation. The ordinance stipulates that the city engineer shall receive five per cent of the cost of work for which bonds are issued; five per cent of the cost of all work ordered by the council and seven cents per lineal foot for all sewer installation. The council also agreed upon a \$50 per month guarantee.

Eugene Hoback, retired general contractor, died in Yuba City, last Monday. Hoback operated from Willows, Calif., during the past twelve years and for the last six months made his place of residence in Yuba City.

How forest fires reduce assessed valuation of timber lands and injure county tax income is shown by a report just issued by the U. S. Forest Service. As a result of a forest fire in Siskiyou County in 1926 the assessments on timber lands owned by two lumber companies were reduced by \$57,410 in 1930, and the tax returns decreased 40 per cent in this four-year period. Allowing 50 years for this tract to regain its original timber value by normal growth, the total loss in taxes to the county, not adding interest, will be \$84,050.

Executives of railroad companies throughout the country are evincing keen interest in the Eighth Annual Convention of the Pacific Foreign Trade Council, to be held in Oakland September 17 and 18 next. Behind this interest, it is stated, is their belief that the coming trade conference will act as a match to ignite the growing optimism of Pacific Coast business men into co-operative action that will soon thereafter result in a revival of foreign and domestic trade. Chief executives and their representatives of a large number of the nation's big railway lines will attend the convention sessions. This has been announced by the presidents of the various companies in recent letters to John J. Flynn, general convention chairman.

Complaints that contractors are not paying union rates and are importing labor from other sections has led to action by the unions in Lake County, Ill., in calling off men from road and building construction. The non-union men quit work without making any resistance. Complaints are being made also that in advertising for bridge work over the Illinois waterway, the "prevailing rates of wages" given are below those actually prevailing in the neighborhood. Conferences are to be held between the State Waterway Division, State Highway Division and labor union officers.

Specifications, illustrations, and working diagrams relating to the crawler-mounted convertible tractor shovel and the rubber tire mounted Cranesmobile are given in catalog T-7 of Bay City Shovels, Inc., Bay City, Michigan.

Electricians in Dayton, Ohio, have been granted an increase of five cents an hour, making the scale \$1.55. Laborers have been given a like increase making the scale \$.55.

Baldwin Locomotive Works, Inc., Philadelphia, Pa., has purchased subsidiary companies of Cramp-Morris Industrials, Inc., including I. P. Morris & De La Vergne, Inc.; De La Vergne Engine Co.; Pelton Water Wheel Co.; Cramp Brass & Iron Foundries Co.; and Federal Steel Foundry Co. Of these, the first three have become subsidiaries of the Baldwin-Southwark Corp., one of the principal units of the Baldwin Locomotive Works. Pelton Water Wheel Co. will continue to function as an independent unit, with headquarters at San Francisco. Cramp Brass & Iron Foundries Co. has become a subsidiary of the Baldwin Locomotive Works, while the assets and business of the Federal Steel Foundry Co. have been acquired by the Standard Steel Works Co. of Burnham, Pa., another Baldwin subsidiary.

ENGINEERING SOCIETIES EMPLOYMENT SERVICE

Further information regarding positions listed in this column is obtainable from Newton O. Cook, Room 715, 57 Post Street, San Francisco. (Phone Sutter 1684).

R-3631-S ENGINEER, electrical, mechanical or preferably chemical engineer, with five or more years experience in executive position handling operations and maintenance on mechanical and electrical equipment, to make general inspections of industrial plant equipment to assure it being kept in A-1 operating condition for maximum production. In addition, the mechanical inspector will inspect the progress of all capital installations and maintenance work, reporting direct to the Chief Engineer of the Engineering Department. Starting salary, \$300 per month. Apply by letter. Location, Southern California.

R-3598-S CHIEF DRAFTSMAN, mechanical engineer with at least five years experience in the employ of a company manufacturing conveying machinery as designer or engineer. Production experience in this line absolutely essential. Salary depends upon experience. Apply by letter with details and salary expected. Location, San Francisco.

W-3030-C-S SALESMAN, preferably with same knowledge of mining, to sell handbooks on commission, to mining companies, machinery dealers, brokers, etc. Apply by letter. San Francisco and Los Angeles territories open.

R-3633-S SALESMAN, experienced, to develop the sale of a new therapeutic device to the medical profession. Commission only. Headquarters, San Francisco.

R-3632-S PRODUCTION SALESMAN-AGGR for an organization supplying program material to advertisers using radio publicity. Requires a man at least 35 years of age, with good personality and knowledge of English, as contacts will be made both by main and direct. Must be able to invest \$5000 which will be returned at end of twelve months. Salary and commission. Apply by letter. Location, Northern California.

W-2622-C-S ENGINEER, about 30, technical graduate preferably in aeronautical engineering. At least five years' experience required, part of which would be preferably in minor executive positions; interested in aviation, and preferably a pilot, but interested in flying secondarily and in the art and business primarily. Apply only by letter. Location, New York.

R-3623-S INDUSTRIAL ENGINEER, technical graduate, 30-40 years of age, with a good record of industrial experience, part of which must have been in executive capacity, for position with a manufacturing company. Must be qualified to establish wage incentive payment plan and make it work. Apply by letter, Salary open. Location, San Francisco.

Precision testing equipment for a number of purposes is briefly described and illustrated in a 4 page folder issued by the Baldwin-Southwark Corp., Philadelphia, Pa.

According to a compilation just released by the Department of Commerce, more than half the domestic exports from California during 1930 were shipped at San Francisco, with new record shipments of cotton and fresh fruit to Europe.

MOTOR CARS ARE AHEAD OF ROADS

Road building has increased only one-eighth as fast as motor vehicle production, according to Roger Hanson as quoted in a report of the American Road Builders' Association.

"In large cities it now requires more time to go from one place to another than it did five years ago because of congestion," states the report.

An idea of the increase in traffic on rural roads is given by W. F. Rosenwald of the Minnesota State Highway Department in a traffic count which showed 37 automobiles and 51 horse bays a day on a road in that state in 1912 as compared with 3284 automobiles and 3 horse bays on a Sunday in 1930 on the same road.

Highway facilities are far behind traffic requirements, according to statements of the American Road Builders' Association.

PREVAILING WAGE ON STREET IMPROVEMENT

The city of Alhambra in Los Angeles County in asking bids on a street improvement cites the 'prevailing wage scale' as ascertained by the city commissioners. The wages to be paid in connection with the improvement follow:

Trenching machine man, \$6 per day; pipe layers \$5 per day; Caterpillar operator, \$5; tractor driver, \$4.50; brick layer, \$7; brick layer's helper, \$3.50; sewer foreman, \$8; laborers, \$3; skinner, \$3; light truck drivers, \$4; dump truck drivers, \$4; Caterpillar skinner, \$4; shovel operator, \$6; blade men, \$5; grade roller men, \$5; asphalt roller men, \$5; asphalt rakers, \$4; asphalt shovelers, \$3; paving foreman, \$6; cement finishers, \$5; cement finisher's helper, \$3; form setters, \$4; form setter helper \$3; asphalt plant fireman, \$4; asphalt plant mixer \$5; concrete mixer man, \$5; watchman \$2.

And for legal holiday and overtime one and one-half time said above-named respective rates.

MATERIALS TESTING MEETING FOR ZURICH

To promote the international exchange of ideas in the field of material testing, the first international congress of the New International Association for Testing Materials will be held in Zurich, Switzerland, Sept. 6-12, 1931. In order to avoid too wide a dispersion of work a definite selection of questions to be presented has been made.

Activities have been divided into four major divisions, as follows: Metals, non-metals, inorganic materials, organic materials and questions of general importance.

The American representative of the association is W. H. Fulweiler, American Society for Testing Materials, 1315 Spruce St., Philadelphia, Pa.

WESTERN PINE ASS'N ELECTS

David T. Mason of Portland, was named manager of the Western Pine Association at a board of directors meeting in Portland last Friday. It is announced by E. W. Lakin, president of the association.

The Western Pine Association includes pine lumber manufacturers of Oregon, California, Arizona, New Mexico, Montana, Idaho and Washington.

Association offices are located in Portland. S. V. Fullaway, Jr., is secretary of the organization.

PATENT SUIT IS DISMISSED BY COURT

The use of auxiliary tunnels by the Great Northern Railway Co. and their contractors, A. Guthrie & Co., Inc., in constructing the Cascade tunnel in Washington, was not an infringement of the Dennis patent, in the opinion of Judge Webster of the U. S. district court of Eastern Washington, who dismissed a suit against them for alleged infringement.

The court held the patent invalid because of prior publication relating to use of the same method in excavating the Simpson tunnel through the Alps.

The single claim of the patent follows: "In a method of tunneling consisting in driving an auxiliary heading outside of the main tunnel section, excavating cross cuts from the auxiliary heading, driving a main heading to connect the cross cuts, drilling from the main heading for enlargement to the full tunnel section, and then excavating to the full tunnel section."

The claimed invention contemplated principally, according to the court's opinion, the use of a working auxiliary or so-called "pioneer" tunnel, outside the main tunnel being drilled.

The defendants admitted that in at least a part of their Cascade Tunnel operations the method described in the Dennis patent was employed, but successfully upheld their right to use such a method by showing its use, and the description thereof, in the excavation of the Simpson Tunnel. The court concluded that the process described in the claim, although unknown to the patentee, "long before had been used in the great Simpson enterprise, and publicly proclaimed to the world."

BAY ENGINEERS MAP SUIT FOR \$4,736,967

Charles H. Lee of San Francisco and Romaine W. Myers, Oakland, engineers, announce they contemplate suing the State of Oregon for \$4,736,967 for not being permitted to carry through power permits on the Rogue River.

They have filed claims for damages with the Oregon State Hydro-electric Commission, which they plan, they say, to follow with court action.

According to an Associated Press dispatch from Salem, Ore., Lee and Myers made their filings before 1923, but did not develop their power projects, and in that year the Legislature withdrew all Rogue river water for power development.

LABOR TO SEEK PENSION FOR AGED

A standard old age pension law embodying the best of the different provisions proposed in various drafts of measures prepared was adopted during the sessions of the American Federation of Labor executive council, Wm. Green, president of the federation, announces.

The proposed old age pension law provides for the payment of a pension of about \$40 a month to dependent persons who have been residents of the state where the pension law is in effect and who are citizens of the United States. It provides that a dependent person may be eligible for a pension when he reaches 60 years of age.

Green said the pension act would be submitted to officers of all state federations of labor with the suggestion that they attempt to obtain its enactment by their legislatures.

SACRAMENTO SEEKS LUMBERMEN'S MEET

Sacramento, through its tourist and convention bureau, has extended to the California Retail Lumbermen's Association an official invitation to hold its annual convention in November in the capital city.

Irvin Engler, manager of the bureau, in making this announcement, said he expects to attend a meeting of the executive board of the group, to take place in Santa Barbara in September, and will endeavor to have the conclave to the capital. The exact dates and city will be determined at that time.

San Francisco and Oakland also are understood to be bidding for the meeting, which usually numbers about 500 delegates, representing 1500 lumber dealers of the state.

Engler said he is in receipt of a letter from E. T. Robie of Auburn, chairman of the Northern District Executive Council of the body, pledging the latter's support in bringing the conclave to Sacramento. J. H. Shepard of Sacramento also is a member of the committee, as is Paul Overand, another Sacramentan.

The latter now is acting as northern field representative for the lumbermen. Engler stated that Overand also has expressed his choice of Sacramento as the next convention city.

EAST BAY UTILITY DISTRICT SETS WAGE

In compliance with Senate Bill No. 36, directors of the East Bay Municipal Utility District with headquarters in Oakland, have set a wage scale to apply on all works undertaken by that body, as follows:

Skilled Labor	
Material checker and pipeman.....	\$5.28
Layer, caulker, powderman, pipe painters, repair man, timber man, tool dresser and road oiler	5.04
Special Labor	
Caulker, helper, layer helper, pneumatic tool operator, road oiler helper, structure laborer	4.56
Common Labor	
Material handler, pick and shovel man	4.00
Water boy	2.00
Workmen	
Carpenter	7.50
Rough carpenter	6.00
Carpenter helper	6.00
Electrician	7.04
Electrician helper	5.04
Painter	7.04
Painter helper	5.04
Mechanics	
Welder	6.40
Trench machine operator	6.00
Roller operator	6.00
Material truck driver	5.52
Compressor operator	5.52
Grader operator	5.04
Tractor operator	5.04
Truck driver	5.04

SACTO. EXCHANGE ADDS FOUR MEMBERS

Guth and Fox, general contractors, have been admitted to membership in the Sacramento Builders' Exchange, it is announced by L. S. Patterson, secretary of the capital city organization. John Berlinger, a general contractor of Orland, Calif., has also been admitted to membership as has J. W. Thomas, Sacramento electrical contractor, and H. A. Henkel, specializing in Frigidaire.

Several applications are now before the directors for consideration, Patterson announces, and these will be favorably acted upon at the next meeting.

Building News Section

APARTMENTS

Contract Awarded—Sub-Bids Wanted.
APARTMENTS Cost, \$250,000
OAKLAND, Alameda Co., Cal. No. 365 Perry St.

Nine-story Class A reinforced concrete apartments and stores (56 2- and 3-room apts.; 1 5-room apt.; vacuum steam heating).

Owner—L. J. Newton, 1130 First Ave., Oakland.

Plans by Thomas Keenan, 1440 Broadway, Oakland.

Contractor—H. L. Peterson, 731 Treat Ave., San Francisco.

Sub-bids are wanted on all portions of the work.

Owner Taking Segregated Bids.
APARTMENTS Cost, \$60,000
SAN FRANCISCO, NE Bay and Webster Streets.

Three- and four-story frame and stucco apts. (18 rooms; steam heating system, oil burner, tile and composition roof, oak floors, canvas walls, plaster exterior, electric refrigeration).

Owner—S. J. Cook, % Grace Perego, 176 Sutter St.

Architect—H. C. Baumann, 251 Kearny Street.

To Take Sub-Bids In One Week.
HOTEL-APTS. Cost, \$135,000
ALAMEDA, Alameda Co., Cal. Webster and Haight Sts.

Four- and five-story frame and stucco apartments (110 rooms; one-story reinforced concrete garage).

Owner and Builder—J. C. Martin, 1437 Fifth St., Alameda.

Plans by Owner.

Sub-Contracts Awarded.
APARTMENTS Cost, \$—
SAN FRANCISCO, SW Gough Street and Broadway.

Six-story and basement steel frame and concrete apartment building. Owner and Builder—Mrs. Jole Enxio, 123 Darien Way, S. F.

Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Electric—Aetna Electric Co., 1337 Webster St., San Francisco.

Lumber—Sudden Lumber Co., Evans and Quint Sts., San Francisco.

Reinforcing Steel—W. E. Wetenhall, 17th and Wisconsin Sts., S. F.

Miscellaneous Iron—F. W. Kern & Sons, 617 6th St., San Francisco.

Steam Fittings—C. Petersen Co., 309 6th St., San Francisco.

As previously reported, concrete Turk St., S. F.; structural steel to Judson-Pacific Co., 603 Mission St. awarded to Mission Concrete Co., 270

Construction Postponed Indefinitely.
APARTMENTS Cost, \$20,000
SALINAS, Monterey Co., Cal.

Two-story and basement frame and stucco apartments (6 4-room apts.).

Owner—Withheld.

Plans by Koepf & Campbell, Mc-Dougall Bldg., Salinas.

Plans Complete.
APARTMENTS Cost, \$17,500
SAN FRANCISCO, Cal. Montgomery Street near Greenwich.

Three-story and basement frame and stucco apartment house (5 apts.).

Owner—O. Winkler, 1413D Montgomery Street.

Plans by Owner.

Owner will take sub-bids and proceed by day's work.

BONDS

VALLEJO, Solano Co., Cal.—September 29 is the date set by the Board of Education to vote bonds of \$230,000 to finance erection of a new Junior High School plant, preliminary plans for which are being prepared by Architects Davis-Pearce Co., Builders' Bldg., Stockton.

SANTA MONICA, Los Angeles Co., Cal.—The Santa Monica Board of Education, 1333 6th St., Santa Monica, will set the date within a few days to vote on the bonds in the sum of \$810,000 for erecting high school and junior college buildings.

SACRAMENTO, Cal.—Another postponement of the bond election at which Sacramento voters will be asked to authorize \$1,146,000 for construction of three junior high schools was discussed by the city board of education Monday night.

October 20 was tentatively fixed in the discussion. The election originally was planned for May 16 and later was deferred to October 10.

Meeting with Ralph H. Cowrin, deputy district attorney, board members considered advisability of the October 20 date in order to avoid possible conflict with the American River flood control project bond election September 15 and a North Sacramento school election October 14.

In considering the school bond issue, the board favored issuance of 4½ per cent bonds redeemable over a period of not more than 25 years.

Approval of the \$1,146,000 bond issue is sought to finance the first unit of a three-year program through which the school board hopes to relieve congestion in Sacramento public schools. Eventual expenditure of \$3,188,000 is contemplated.

CHURCHES

Contract Awarded.
CHURCH Contract price, \$39,855
CHICO, Butte Co., Cal.

Two-story brick church building.

Owner—Bidwell Memorial Church.

SKILSAW Portable Electric Hand Saws (4 models).

SKILSAW Portable Electric Sander

SKILSAW Radial Arm Attachments.

SYNTRON Portable Electric Hammers (4 models, motorless).

MALL Flexible Shaft Machines (60 models).

Electric Drills, Grinders, Buffers, Routers, Lock Mortisers.

PETER H. NELSON

Labor Saving Portable Electric Tools.

1248 Mission St. Underhill
San Francisco 7662

SALES . SERVICE . RENTALS

Architect—Chas. F. Dean, California State Life Bldg., Sacramento.

Contractor—A. Frederick Anderson, 303 Olive Street, Chico, and 1093 Longridge Road, Oakland.

Heating bids are held under advertisement. Lowest bids submitted by Howell Furnace Co., Chico, and Carpenter & Mendenhall, Sacramento.

Preparing Plans
Convent Cost, \$150,000
HONOLULU, T. H.

Two-story reinforced concrete convent.

Owner—Sisters of Sacred Heart
Architect—Louis E. Davis, Boston Bldg., Honolulu.

Plans Being Figured.
AUDITORIUM Total Cost, \$500,000
WEST LOS ANGELES, Los Angeles Co., Cal. Selby and Ohio Sts.

One- and two-story and basement reinforced concrete auditorium (42x127 feet) to seat 550.

Owner—Roman Catholic Bishop of Los Angeles and San Diego (Rev. H. A. Stark, Pastor).

Architect—Henry Newton and R. D. Murray, Architects Bldg., Los Angeles.

Painting Contract Awarded.
MONASTERY Cost, \$400,000
CARMEL, Monterey Co., Cal.

Two-story reinforced concrete monastery.

Owner—Carmelite Monastery, Santa Clara.

Architect—Maginnes & Walsh, Statler Bldg., Boston, Mass.

Contractor—Thomas M. Jones, 243 El Dorado St., Monterey.

Painting—J. A. Mohr, 433 11th St., San Francisco.

Other awards previously reported.

Sub-Contracts Awarded.
CHURCH Cost, \$40,000
SAN FRANCISCO, Bush Street near Divisadero Street.

One-story frame church.

Owner—West Side Christian Church.

Architect—Bertz, Winter and Maury, 210 Post Street.

Contractor—Jacks & Irvine, 74 New Montgomery Street.

Painting—D. Zelinsky & Sons, 165 Grove Street.

Stairs—Frank M. Phillips, 718 Bryant Street.

Other sub-contracts previously reported.

FACTORIES AND WARE-HOUSES

COLUSA, Colusa Co., Cal.—Antone Wholfrom 3-unit dehydrator, one mile from Colusa on the Princeton road, destroyed by fire August 16. The loss is estimated at \$40,000 by Henry Schmidt, lessee of the plant.

Plans Being Figured—Bids Close Sept. 8, 11 A. M.

BARN Cost, \$—
SAN JOSE, Santa Clara Co., Cal.

Milpitas Road.

Construct feeding barn at County Almhouse.

Owner—County of Santa Clara, Henry A. Pfister, County Clerk.

Architect—C. S. McKenzie, 415 Twohy Bldg., San Jose.

Certified check 10% payable to county clerk required with bid. Plans obtainable from the clerk.

Low Bidder.
ROUND HOUSE, ETC. Cost, \$25,000
 KENNEDY, Plumas Co., Cal.
 Round house, oil house and sand house
 (corrugated iron exterior, timber
 frame, structural steel machine
 house).
 Owner—Western Pacific Railroad Co.,
 Mills Bldg., San Francisco.
 Plans by Eng. Dept. of Owner.
Low Bidder—Ryberg—Sorenson, Inc.,
 Salt Lake City.
 Contract will be awarded and work
 begun immediately.

Prospective Bidders.
WAREHOUSE Cost, \$75,000
 SAN FRANCISCO. Brannan Street.
 One-story concrete warehouse (steel
 sash, galvanized iron, 100 ft. front-
 age).
 Owner—Vernon Marble Company, 214
 Brannan St., San Francisco.
 Architect—Lewis P. Hobart, Crocker
 Bldg., San Francisco.
 Prospective Bidders:
 Lindgren & Swinerton, 225 Bush St.,
 San Francisco.
 Dinwiddie Constr. Co., Crocker
 Bldg., San Francisco.
 Cahill Bros., 206 Sansome St., San
 Francisco.
 Charles Stockholm & Sons, Russ
 Bldg., San Francisco.
 Barrett & Hilp, 918 Harrison St.,
 San Francisco.
 MacDonald & Kahn, Financial Center
 Bldg., San Francisco.
 George Wagner, Inc., 181 South
 Park, San Francisco.
 Larsen & Larsen, 629 Bryant St.,
 San Francisco.
 Bids will be opened August 24.

Plans Being Completed.
FACTORY Cost, \$1,000,000-\$1,500,000
 ALAMEDA, Alameda Co., Cal. Fer-
 nside and Versailles Avenues.
 Factory building.
 Owner—Owens-Illinois Glass Co. (W.
 I. Cole, Mgr.) 133 Kearny St., San
 Francisco.
 Architect—Not Selected.
 Engineer—H. Barnard, chief engineer
 for Owens-Illinois Glass Co., To-
 ledo, Ohio.
 Plans are being completed in Toledo.
 There is some delay in adjusting title
 to the property in Alameda, but ex-
 pect to have that settled and plans
 ready for bids about Sept. 15.
 Mr. Benjamin Hayes, who will have
 charge of constructing the plant, will
 arrive in San Francisco next week.

Contract Awarded.
FACTORY Cost, \$60,000
 (including equipment)
 STOCKTON, San Joaquin Co., Calif.
 SE Scotts Ave. and Van Buren St.
 One-story class B brick and frame
 factory (10x50-ft.)
 Owner—Fraser Furnace Co., 445 S San
 Joaquin St., Stockton.
 Architect—Frank Mayo, 1024 W Flora
 St., Stockton.
 Contractor—Fay Zinck, 2034 N Pacific
 Ave., Stockton.
 Sub-bids are in and will be awarded
 shortly.

Plans Being Completed.
WAREHOUSE Cost, \$10,000
 SAN FRANCISCO. Twenty-second St.
 near Folsom St.
 Reinforced concrete class B warehouse
 (mezzanine, asph. roof, steel sash)
 Owner—J. Jacobsen.
 Architect—L. O. Berg, 675 Corbett Av-
 enue.
 Bids will be asked in about 1 week.

REDWOOD CITY, San Mateo Co.,
 Cal.—Plant of Peninsula Planing Mills
 at El Camino Real and Vera Ave.,
 owned and operated by Gust Manuels,
 destroyed by fire August 13. The loss
 is estimated at \$20,000. Plant was in-
 sured for \$4000.

Plans To Be Prepared.
FACTORY Cost, \$1,500,000
 BAY POINT, Contra Costa Co., Calif.
 Factory (manufacturing linoleum and
 felt base floor covering).
 Owner—Congoleum-Nairn, Inc., Kear-
 ney, New Jersey.
 Engineers and Architects of Const.—San-
 derson & Porter, 1 Montgomery St.
 San Francisco.
 It is understood that the proposed
 \$1,500,000 plant of the Armstrong Co.,
 New York, N. Y., will be erected ad-
 joining the Congoleum-Nairn plant.
 The initial development of the Con-
 goleum-Nairn plant will cost upward
 of \$1,500,000 and will provide for the
 manufacture of roofing, congoletum
 (the highest grade felt-base floor cov-
 ering), and certain specialties.

FLATS

Sub-Contracts Awarded.
FLATS Cost, \$—
 OAKLAND, Alameda Co., Cal. NE
 13th Ave. and E-22nd St.
 Two-story and basement frame and
 stucco flats (Spanish type).
 Owner and Builder—George A. Hed-
 berg, 3810 Midvale Ave., Oakland.
 Plans by Owner.
Sheet Metal and Gas Furnace—Frank
 Christoph, 3441 Salisbury Street,
 Oakland.
Tile Roofing—Western Roofing Co.,
 24th and Poplar Sts., Oakland.
Brick—J. C. Jorgensen, 2768 26th
 Ave., Oakland.
Millwork, Sash, and Doors—Bay City
 Lumber Co., 48th Ave. and E-
 12th St., Oakland.
Plumbing—Wm. Souza, 1421 45th
 Ave., Oakland.
Painting—Joel Johnson, 3937 High St.,
 Oakland.

Sub-Bids Being Taken.
FLATS Cost, \$10,000
 SAN FRANCISCO. E Thirty-first
 Ave. N Fulton St.
 Two-story and basement frame and
 stucco flats (2 flats); gas heat, tile
 baths & kitchen; hardwood floors,
 etc.
 Owner and Builder—S. Blaustein, 233
 21st Ave., San Francisco.
 Plans by P. C. Fisher, 1122 Noe St.,
 San Francisco.

Completing Plans.
FLATS Cost, \$8500
 SAN FRANCISCO. Webster St. near
 North Point St.
 Two-story and basement frame and
 stucco flats (2 6-room flats; gas
 and hot air heating; composition
 and tile roof).

Owner—Temporarily Withheld.
 Architect—Not Given.
 Contractor—A. Lindgren, 64 Ramona
 St., San Francisco.

Taking Sub-Bids.
FLATS Cost, \$10,000
 SAN FRANCISCO. Broderick Street
 near Chestnut St.
 Two-story and basement frame and
 stucco flats (2).

Owner—Mrs. A. Oliva, 874 North Point
 Architect—Not Given.
 Contractor—Peter Sartorio, 666 Mis-
 sion Street.

GOVERNMENT WORK AND SUPPLIES

Contract Awarded.
VENTILATING Cont. price, \$4176
 PALO ALTO, Santa Clara Co., Cal.
 Revising ventilating systems in Build-
 ings Nos. 114, 204 and 219, U. S.
 Veterans' Hospital.
 Owner—United States Government.
 Plans by Supervising Superintendent
 of Construction, U. S. Veterans'
 Hospital, Palo Alto.
 Contractor—Stanford Sheet Metal
 Works, 921 Alma St., Palo Alto.

Plans Being Figured—Bids Close Sept
10, 2:30 P. M.
TILE FLOORS Cost, \$—
 PALO ALTO, Santa Clara Co., Cal.
 Tile floors, etc., in Kitchen Bldg. No.
 204 at U. S. Veterans' Hospital.
 Owner—United States Government.
 Plans by Supervising Superintendent
 of Construction, U. S. Veterans'
 Hospital, Palo Alto.

This work will include quarry tile
 floors and base or quarry tile floors
 and high fired falence tile base and
 wainscot, removing cement topping on
 concrete floors, removing and reset-
 ting certain kitchen equipment, re-
 constructing and certain wooden
 fixtures and installing pipe legs on
 same, constructing tile and steel
 trough under steam Kettles, installing
 steel bumper rails in corridors, re-
 setting angle iron jambs, resetting and
 anchoring certain door frames, install-
 ing new steel door frames, installing
 pipe legs on bakery oven, and all cut-
 ting and patching required. Specifica-
 tions and further information obtain-
 able from the Supervising Superinten-
 dent of Construction at Palo Alto.

Bids Wanted—To Close Sept. 21.
INFIRMARY Cost, \$—
 BOISE, Idaho.
 Reinforced concrete hollow tile and
 brick infirmary.

Owner—United States Government.
 Plans by Supervising Architect, Wash-
 ington, D. C.

Plans may be obtained from Con-
 struction Service, 764 Arlington Bldg.,
 Washington, D. C., or from the Su-
 pervising Superintendent of Construc-
 tion, U. S. Veterans' Hospital, Palo
 Alto; no deposit required. Guaranty
 bond, certified check or U. S. bonds in
 the sum of 25 per cent must accom-
 pany each bid.

MONTEREY, Monterey Co., Calif.—
 Award of contract recommended by U.
 S. Engineer Office, San Francisco, to
 Guy F. Atkinson, Russ Building, San
 Francisco, at \$1.92 ton for furnishing
 stone and constructing breakwater in
 Monterey Bay, involving approximate-
 ly 200,000 tons of stone. Complete list
 of unit bids on this project published
 in issue of August 7.

CLE ELUM, Wash.—Winston Bros.
 Co., Minneapolis, Minn., at \$1,311,533-
 50 awarded contract by U. S. Bureau
 of Reclamation to construct Cle Elum
 Dam, Yakima Project. For further
 particulars see item under "Reservoirs
 and Dams," this issue.

SACRAMENTO, Cal.—Until August
 25, 3 P. M., under Circular Proposal
 No. 32-46, Specifications No. 3639-1851,
 bids will be received by U. S. En-
 gineer Office, California Fruit Bldg., to
 furnish, deliver and place approxi-
 mately 12,000 tons of rip-rap stone
 along the Sacramento river between
 the mouth of Cache Slough and May-
 berry Slough. Specifications obtain-
 able from above.

SAN FRANCISCO—Until August 25,
 10 A. M., under Circular No. 928-32-44,
 bids will be received by Quartermas-
 ter Supply Officer, General Depot, Ft.
 Mason, to furnish and deliver 19,700
 ft. braided water hose, ¾-inch inside
 diameter, complete with ¾-inch cast
 brass couplings bolted on, in 50-foot
 lengths, packed in bales of 250 feet
 each, burlapped.

SAN FRANCISCO—Until August 25,
 10 A. M., under Circular No. 928-32-44,
 bids will be received by Quartermas-
 ter Supply Officer, General Depot, Ft.
 Mason, to furnish and deliver:

One electric portable saw, 10-inches,
 complete with universal motor, 110
 volts. Must be capable of cutting wood
 3 inches thick. Gears and shafts to
 be chrome nickel, full ball bearing;

saw to be equipped with telescopic guard; shoe to be adjustable to not less than 45 degrees. To be complete with one 10-in. cross cut saw blade; one 10-in. rip saw blade; one adjustable saw fence; three conductor cable with attachment plug; one wire for grounding; one packing and carrying case. To be similar and equal to Black & Decker 10-in. portable electric saw.

Separate bids will be received for one electric portable tapper, complete with universal motor, 110-volt, 525-R.P.M., ball bearing, pistol grip type with mechanical reverse and spindle lock for each direction of rotation; equipped with screw driving attachment for nut setting up to 3/8 inch; in addition to top handle or grip, there shall be a steadying or "dead" lower handle; complete with three conductor cable and attachment plug. To be similar and equal to "Thor" No. 1 U.B.X.

SAN FRANCISCO—Until August 25, 10 A. M., under Circular No. 928-32-44, bids will be received by Quartermaster Supply Officer, General Depot, Ft. Mason, to furnish and deliver:

Six electric motors, 3-hp., 220-volt, 60-cycle, single phase, 1800 R.P.M., as illustrated on Page 58, Catalogue "A", American Laundry Machine Co. For use with American Laundry Machine Co. Motor Driven Extractors. Packed in boxes, iron strapped, suitable for export shipment.

Separate bids will be received to furnish 8 control boxes for use with above motors in connection with above Motor Driven Extractors. Packed in boxes, iron strapped, suitable for export shipment.

WASHINGTON, D. C.—Bids are being received by the Bureau of Supplies and Accounts, Navy Dept., Washington, D. C., to furnish materials and equipment to Pacific Coast navy yards and stations, as follows, further information on the Schedules listed being obtainable from the Navy Purchasing Office, 100 Harrison St., San Francisco:

Bids Open Sept. 1

Mare Island, 600,000 lbs. zinc oxide; sch. 6339.

Mare Island, 2 motor driven ammonia compressors and 2 electric motors; sch. 6325.

Mare Island or f. o. b. works, 250,000 lbs. dry white lead; sch. 6343.

San Diego, 6000 lbs. calcium chloride sch. 6338.

San Diego, 1200 radio "B" batteries; sch. 6331.

Mare Island, 1500 lbs. hide glue; sch. 6340.

Western yards, burrs, rivets and washers; sch. 6342.

Mare Island, 100 prs. irons (hand and leg); sch. 6347.

Western yards, steel rivets and washers; sch. 6344.

Western yards, 24,800 lbs. steel wool; sch. 6349.

Western yards, approx. 11,000 lbs. hydrochloric acid, 700 lbs. nitric acid and 31,500 lbs. and 659 bots. sulphuric acid; sch. 6350.

Mare Island, corrosion-resisting bar steel; sch. 6354.

Mare Island, 3500 ft. coil chain, 1322 ft. weldless chain and 3300 ft. do; sch. 6353.

Mare Island and Puget Sound, 14,000 lbs. bar steel; sch. 6346.

Bids Open Sept. 8

Mare Island, 30,000 empty practice bombs; sch. 6357.

SAN FRANCISCO.—See "Water-wans," this issue. Bids opened by Constructing Quartermaster, Ft. Mason, to extend water mains in connection with the new non-commissioned officers' quarters at the Presidio.

OAHU, T. H.—Thomas Haverly Co., 316 E. Eighth St., Los Angeles, will

start work in sixty to ninety days on the construction of buildings, roads, railroads and services at the Naval Ammunition Depot, Oahu, T. H. Most of the work will be handled by the Haverly Company direct. Sub-contracts will be awarded for the plastering, painting, marble and tile work, and possibly a portion of the roofing and the structural steel. Contract for the electrical work has been awarded to the Newbery Electric Corp., 726 S. Olive St., Los Angeles.

Commissioned To Prepare Plans.

POST OFFICE Cost, \$210,000 available for site and building.
PALO ALTO, San Clara Co., Cal.
Hamilton Ays., Waverly and Gilman Sts.

Class A post office.
Owner—United States Government.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.

Commissioned To Prepare Plans.

POST OFFICE Cost, \$145,000 Appropriation available.
OROVILLE, Butte Co., Cal.
Class A post office.
Owner—United States Government.
Architect—Frederick H. Meyer, 525 Market St., San Francisco.

Commissioned To Prepare Plans.

POST OFFICE Cost, \$—
MERCED, Merced Co., Cal.
Class A Post Office.
Owner—United States Government.
Architect—Allison & Allison, California Reserve Bldg., Los Angeles.

Commissioned To Prepare Plans.

POST OFFICE Cost, \$—
BEVERLY HILLS, Los Angeles Co.
Class A Post Office.
Owner—United States Government.
Architect—Ralph Flewelling, 450 North Beverly Dr., Beverly Hills.

FORT LEWIS, Washington—City Improvement Co., 2055 Center St., Berkeley at \$11,989 awarded contract by Signal Officer, Headquarters, Ninth Corps Area, Presidio, San Francisco, for construction of complete underground and aerial telephone cable distribution system and installation of one 400-prs. 22-gauge underground and aerial cable, with lateral and terminals at Fort Lewis.

Contract awarded subject to the approval of the Chief Signal Officer of the Army at Washington, D. C.

Commissioned To Prepare Plans.

FEDERAL BLDG. Cost, \$8,000,000
LOS ANGELES, Cal. Main Street.
Thirteen-story Class A Federal Bldg. (525 feet frontage).
Owner—United States Government.
Architect—J. C. Austin and F. M. Ashley, Chamber of Commerce Bldg., Los Angeles.

The money will be appropriated for the work by Congress this fall and actual construction will be under way within a year. The architects will make a survey to determine how many square feet of floor space will be required in the new structure. They will also make a survey of the existing building to determine whether or not it should be incorporated in the new structure.

CARLSBAD, New Mexico.—Until August 27, 2 P. M., bids will be received by National Park Service, 525 Market St., San Francisco, for a 120-hp. 3-cylinder Diesel engine, with complete installation to generate electricity for 90 K.V.A. generator.

BOULDER CITY, Nevada—U. S. Bureau of Reclamation, Denver, has awarded contracts for furnishing the following materials to be used in construction work at Boulder City: Salt

Lake Brick Co., Salt Lake City, 1,000,000 common clay brick at \$7.50 per M; Gladding, McBean & Co., Los Angeles, 7000 9-in. fire brick at \$35 per M, and 2000 class C fire clay at \$38 per ton; Denver Sewer Pipe & Clay Co., Denver, 1854 lin. ft. flue lining at 11c to 29c per ft.; Los Angeles Brick Co., Los Angeles, 4300 pieces 8x12x12-in. hollow clay floor tile at \$130 per M and 1900 pieces 8x12x12-in. hollow clay floor tile at \$100 per M. No award was made for furnishing 20,000 common clay brick. Bids were opened in Denver on July 17.

HALLS AND SOCIETY BUILDINGS

Steel Sash Contract Awarded.
HOME Cost approx., \$175,000
SAN FRANCISCO. University and Cambridge Streets.

Two- and three-story reinforced concrete and brick Home for Aged.
Owner—University Mound Old Ladies' Home.

Architect—Alfred Coffey and Martin J. Rist, Phelan Bldg.

Contractor—J. E. Scully, Phelan Bldg.
Steel Sash—Michael & Pfeffer Iron Works, Harrison and 10th Sts.
Other awards previously reported.

Sites Being Considered—Plans To Be Prepared.

CLUBHOUSE Cost, \$15,000
OROVILLE, Butte Co., Cal.

Clubhouse.
Owner—Oroville Monday Club, Oroville.

Architect—Not Selected.

Bids are being received from property owners in a certain section of the city with a view to securing a site for this structure.

Plans To Be Prepared.

CLUB Cost, \$—
SACRAMENTO, Sacramento Co., Cal.
Seventh and N Streets.

Three-story reinforced concrete club.
Owner—Y. W. C. A.

Architect—Chas. Dean, California State Life Bldg., Sacramento.

More definite information will be given shortly.

To Ask Bids.

MEMORIAL BLDG. Cost, \$60,000
ALBANY, Alameda Co., Cal.

American Legion Memorial Bldg. (2-story reinforced concrete building, Spanish type, tile roof, ornamental iron, gas heating).

Owner—County of Alameda, George E. Gross, county clerk.

Architect—H. H. Meyers, Kohl Bldg., San Francisco.

Plans will be ready for figures about August 25.

Contract Signed.

CLUBHOUSE Cost, \$35,000
MOUNTAIN VIEW, Santa Clara Co., Calif.

Two-story reinforced concrete Spanish type clubhouse, 80x80 feet.

Owner—Leon Robert Post No. 246, American Legion, Mountain View (Everett Lawson, Commander).

Architect—Not Given.

Contractor—Carl Lindholm & Sons, Mountain View.

Will be of the Spanish type of architecture with auditorium 40 by 60 ft. in addition to banquet room, clubrooms and kitchen.

Bids Wanted—To Be Opened Sept. 5, 10:30 A. M.

FURNISHINGS Cost, \$—
HAYWARD, Alameda Co., Cal.

Furnishings for Veterans' Memorial

Owner—County of Alameda, George Gross, County Clerk.

Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

The committee consists of Harry A.

Bradford, temporary chairman, representing the American Legion; Leland Stanford Chapman, temporary secretary, representing the Disabled American Veterans; Joseph Prowse of the United Spanish War Veterans, and Bert B. Thompson of the Veterans of Foreign Wars.

Preliminary Plans Submitted For Approval

COMMUNITY CENTER Cost, \$50,000
SAN FRANCISCO. California Street and Presidio Avenue.

Two - story and basement reinforced concrete community center.
Owner—Jewish Community Center, Sidney M. Ehrman, Chairman, 68 Post St., San Francisco.

Architects—Hyman & Appleton, 68 Post St., and Arthur Brown Jr., 25 Kearny St., San Francisco.

Building will contain gymnasium, swimming pool, handball courts, auditorium, theatre, club rooms, lecture hall, game rooms, lounge rooms and kitchen.

HOSPITALS

Additional Sub-Contracts Awarded.

TRACK Cost, Price, \$239,775
BERKELEY, Alameda Co., Cal. University Campus, Fulton Street and Bancroft Way.

Reinforced concrete track stadium bowl (to seat approx. 20,000).

Owner—University of California.
Architect—Warren C. Perry, 260 California St., San Francisco.

Contractor—C. Dudley DeVelbiss, 269 Pine St., San Francisco.

Work involves two bleacher structures of reinforced concrete, tie-in quarters, lockers and showers, toilet rooms, telephone and radio accommodations.

Painting—Raphael Co., 270 Tehama St. San Francisco.

Guniting—Cement Gun Constr. Co., 58 Sutter St., San Francisco.

Other awards previously reported.

BERKELEY, Alameda Co., Cal.—Baldwin Southward Corp., Philadelphia, Pa., at \$50,000 awarded contract by the Regents of the University of California to furnish and install a 4,000,000-lb. building material testing machine for the College of Engineering on the University Campus at Berkeley.

Structural Steel Contract Awarded.

MAUSOLEUM Cost, \$80,000
SAN MATEO COUNTY, Cal. Mount Olivet Cemetery.

First unit of mausoleum (reinforced concrete construction; marble and bronze interior).

Owner—Mt. Olivet Cemetery.
Architect—Crim, Resing and McGuinness, 488 Pine St., San Francisco.

Structural Steel—Pacific Coast Steel Fabricating Co., 20th and Illinois Streets, San Francisco.

Concrete is being done by owners. Other awards will be made as the work progresses.

Contracts Awarded.

HEALTH CENTER Cost, \$—
SAN FRANCISCO. Polk and Grove Streets.

Four - story and basement reinforced concrete class A health center, emergency hospital and office bldg.

Owner—City and County of San Francisco.

Architect—S. Heiman, 57 Post Street.
Structural Engineers—Ellison & Russell, Pacific Bldg.

Granite Work—McGillivray - Raymond Corp., 3 Potrero Ave., at \$124,735 in accordance with plans and specifications.

Brick Work, Tile Partitions, Etc.—Larsen & Larsen, 629 Bryant St., at \$58,000 omitting terra cotta cornices and firewall.

Preparing Plans.

CLINIC Cost, \$50,000
SANTA CRUZ, Santa Cruz Co., Calif.

Water and Harrison Sts. and Morrissey Avenue.

Fireproof medical clinic.

Owner—Dr. J. M. Nell, 1706 Broadway, Oakland.

Plans by Owner.

Real Estate Agency—Canfield and Son, Santa Cruz.

Will be ready for bids in about 90 days.

OROVILLE, Butte Co., Cal.—County Supervisors will provide a \$1000 appropriation in the 1931-32 budget to finance installation of an ice refrigerator at the county infirmary.

Plans Being Figured—Prospective Bidders.

HOME & NOVITIATE Cost, \$—
BURLINGAME, San Mateo Co., Cal.

Four-story and basement steel frame and concrete home and novitiate (tile roof, steam heating system).

Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.

Architect—Edward Eames, 353 Sacramento St., San Francisco.

Monson Bros., 475 6th St., San Francisco.

Barrett & Hilp, 918 Harrison St., San Francisco.

P. F. Reilly, 703 Market Street, San Francisco.

J. E. Scully, Phelan Bldg., S. F.

A. J. Monahan, Burlingame.

M. Roderick, Burlingame.

OAKLAND, Alameda Co., Cal.—H. A. Locey, 1440 6th St., Oakland, at \$1393 awarded contract by Alameda County Board of Supervisors for ray-proofing two x-ray rooms at Highland County Hospital. Henry H. Meyers, Kohl Bldg., San Francisco, architect.

HOTELS

Plans To Be Prepared.

REMODELING Cost, \$—
OAKLAND, Alameda Co., Calif. 13th and Harrison Streets.

Remodel class A hotel.

Owner—W. C. Jurgens Estate.

Architect—Not Selected.

Lessee—George Wood, Hotel Oakland, Oakland.

More definite information will be given within a few days.

Sub-Contracts Awarded.

HOTEL & STORES Cost, \$175,000
SAN FRANCISCO. Market and Laguna Streets.

Seven-story steel frame and concrete hotel building (6 stores, 115 hotel rooms; steam heat, oil burner).

Owner—Allen & Co., 168 Sutter St., San Francisco.

Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Structural Engineer—Jas. M. Smith, 251 Kearny St., San Francisco.

Contractor—Cahill Bros., 206 Sansome St., San Francisco.

Electric Work—H. S. Tittle Co., 85 Columbia Square, San Francisco.

Heating—Frank Nelson, San Francisco

Plumbing—E. Sugarman, 3624 Geary St., San Francisco.

Other sub-figures being taken.

MERCED, Merced Co., Cal.—Fourth and fifth floors of the Hotel El Capitán at Merced suffered a \$100,000 fire loss August 17. The annex section, a new unit of fireproof construction, is reported to be slightly damaged. Insurance of \$150,000 is carried.

Bids Opened August 24.

REMODELING Cost, \$—
SAN RAFAEL, Marin Co., Cal. 630 B Street.

One - story hollow tile and stucco top addition to newspaper building and remodeling ground floor.

Owner—Harry Lutgens, % The Independent, 530 B St., San Rafael.

Architect—N. W. Sexton, deYoung Bldg., San Francisco.

POWER PLANTS

CARLSBAD, New Mexico—Until August 27, 2 P. M., bids will be received by National Park Service, 525 Market St., San Francisco, for a 120-hp. 3-cylinder Diesel engine, with complete installation to generate electricity for 90 K.V.A. generator.

REDDING, Shasta Co., Cal.—Until September 3, 8 P. M., bids will be received by Leslie Engram, city clerk, to furnish and deliver cedar poles

f.o.b. cars Redding:

- (a) 30 9-inch top 45-ft. poles;
- (b) 30 9-inch top 40-ft. poles.

All to be Western Red Cedar complying with Western Red Cedar Specifications, butt crosoted one-half inch g u a r a n t e e d penetration. Certified check 10% payable to Mayor required with bid.

LOS ANGELES, Cal.—Until 11 A. M., Sept. 3, bids will be received by city purchasing agent, Thomas Oughton, for furnishing one portable gasoline driven engine alternating current generator set, f. o. b. 410 Ducommun St., under Specification No. 2588, for department of water and power.

LOS ANGELES, Cal.—Plans for a telephone line from the Sierra Madre Dam to the Sawpit Dam have been filed with the County Supervisors by E. C. Eaton, Chief Engineer of the Flood Control Department. The work proposed involves:

- (1) 26 A - frames, fabrication and erection, complete;
- (2) 6 wood poles, fabrication and erection, complete;
- (3) 10 steel poles, assembly and erection, complete;
- (4) 100 anchors complete, placing;
- (5) 160 guys, placing, price each;
- (6) 3200 lbs. placing, No. 6 wire, complete;
- (7) 650 lbs. placing, No. 9, wire, complete.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Preparing Preliminary Plans.

EXPOSITION BLDG. Cost, \$125,000
OAKLAND, Alameda Co., Cal. Near Municipal Auditorium.

Exposition building (approximately 140 by 360 feet).

Owner—City of Oakland, W. W. Chapell, city clerk.

Architect—Reed and Corlett, Oakland Bank Bldg., Oakland.

Structure will be set on a pile foundation and will have a light truss roof.

Brick Contract Awarded.

POLICE STATION Cost, \$45,000
SAN FRANCISCO. Golden Gate Park.

One - story reinforced concrete police station.

Owner—City and County of San Francisco (S. J. Hester, Sect'y, Board of Public Works).

Architect—Weeks and Day, Financial Center Bldg.

Contractor—William Spivock, Hobart Building.

Brick—Wm. A. Rainey and Son, 323 Clementina St.

Other awards reported July 2, 1931.

HILLSBOROUGH, San Mateo Co., Cal.—Town Trustees at their last meeting appropriated \$1,500 to finance landscape work in connection with town hall grounds.

Preparing Plans.

EXPOSITION BLDG. Cost, \$125,000
OAKLAND, Alameda Co., Cal. Near Municipal Auditorium.

Exposition building (approximately 140 by 350 feet).

Owner—City of Oakland, W. W. Chapell, City Clerk.

Architects and Engineers—Reed & Corlett and E. W. Cannon, architect, associated.

Structure will be set on a pile foundation will have a light truss roof.

Preparing Working Drawings.

REMODELING Cost, \$30,000
STOCKTON, San Joaquin Co., Calif. Hunter Street.

Remodel two-story brick and concrete fire house (four fire fighting units; rebuild front of building).

Owner—City of Stockton.
Architect—Peter S. A. 2130 N Commerce St., Stockton.

Plans To Be Prepared.

CITY HALL Cost, \$5,000
EXETER, Tulare Co., Cal. Pine St. One-story brick City Hall.

Owner—City of Exeter, T. E. Awbrey, City Clerk.

It is understood that plans for this structure will be prepared by David Graham, Exeter contractor, and upon completion bids for construction will be asked. The building will be financed from the General Fund.

Bids Opened.

ADDITION Cost, \$—
JACKSON, Amador County, Cal. One-story reinforced concrete addition to courthouse.

Owner—County of Amador, L. M. Huberty, county clerk.

Private plans.

Bids received follow:
Jas. P. Morton, 3 Cottage Street, Placerville \$2,421

Otto Garver 3,212

L. Uhels 3,540

Ecker & Stegmiller 3,573

Bids taken under advisement until August 20.

Bids Wanted For Miscellaneous Iron Work—Bids Close Sept. 1, 2 P. M.
WAR MEMORIAL Cost, \$5,000,000
SAN FRANCISCO. Civic Center.

Four-story and basement concrete Class A Legion Building and six-story Class A Opera House, seating 4000; standing room, 500.

Owner—City and County of San Francisco (S. F. War Memorial).

Architects—G. A. Lansburgh, 140 Montgomery St. and Arthur Brown Jr., 251 Kearny St.

Mfrs. of Constr.—Lindgren & Swinerton, Inc., 225 Bush St.

Plans for this work are obtainable from the offices of the S. F. War Memorial, 451 Montgomery St.

Preliminary Sketches Completed.

COURTHOUSE Cost, \$150,000
SAN JOSE, Santa Clara Co., Cal. Rebuilding county courthouse destroyed by fire (using present walls and foundations).

Owner—County of Santa Clara, Henry A. Pfister, County Clerk.

Architect—Binder & Curtis, 35 W-San Carlos St., San Jose.

Structural Engineer—Wm. D. Lotz, 1040 Benton St., San Jose.

Bids Wanted For Metal Sash—Bids Close Sept. 15, 2 P. M.

WAR MEMORIAL Cost, \$5,000,000
SAN FRANCISCO. Civic Center.

Four-story and basement concrete

Class A Legion Building and six-story Class A Opera House, seating 4000; standing room, 500.

Owner—City and County of San Francisco (S. F. War Memorial).

Architects—G. A. Lansburgh, 140 Montgomery St. and Arthur Brown Jr., 251 Kearny St.

Mfrs. of Constr.—Lindgren & Swinerton, Inc., 225 Bush St.

Plans for this work are obtainable from the offices of the S. F. War Memorial, 451 Montgomery St.

Electric Contracts Awarded.

WAR MEMORIAL Cost, \$5,000,000
SAN FRANCISCO. Civic Center.

Electric work for four-story and basement concrete Class A Legion Building and six-story Class A Opera House, seating 4000; standing room, 500.

Owner—City and County of San Francisco (S. F. War Memorial).

Architects—G. A. Lansburgh, 140 Montgomery St. and Arthur Brown Jr., 251 Kearny St., San Francisco.

Mfrs. of Constr.—Lindgren & Swinerton, Inc., 225 Bush St., S. F.

Opera House—Alta Electric Co., 938 Howard St., at \$178,125.

Veterans' Bldg.—Alta Electric Co., 938 Howard St., at \$99,550.

Stage Theater—Alta Electric Co., 938 Howard St., at \$18,990.

WOODLAND, Yolo Co., Cal.—Motroni Mill & Lumber Co., Woodland, at \$2310 awarded contract by city council to raze the old city hall building.

Bids Rejected.

LIBRARY Cost, \$11,000
NEW MONTEREY, Monterey Co., Cal. One-story frame and stucco library (tile roof; Spanish type; 90x36 ft.; 2500 ft. floor space).

Owner—City of New Monterey.

Architect—Ewart & Ryland, Spazier Bldg., Monterey.

Bids rejected because of illegalities caused by prevailing wage law. Will be readvertised next week.

RESIDENCES

Contract Awarded.

RESIDENCE Cost, \$10,500
PALO ALTO, Santa Clara Co., Calif. 1472 Hamilton Avenue.

Two-story frame and stucco residence. Owner—Frank L. Nolan, 544 Everett St., Palo Alto.

Architect—Not Given.
Contractor—W. H. Gibson, 1475 Hamilton Ave., Palo Alto.

Sub-Contracts Awarded.

RESIDENCE Cost, \$18,000
OAKLAND, Alameda Co., Cal. NE Lincolnshire and Glenbrook Drive.

Two-story frame and stucco residence (10 rooms); tile roof, gas heating system.

Owner—Roy C. Hackley, 2514 Buena Vista Ave., Berkeley.

Architect—Masten & Hurd, 278 Post St., San Francisco.

Roofing—W. L. Saxby, 4538 Fleming Ave., Oakland.

Millwork—Lannom Bros., Fifth and Magnolia Sts., Oakland.

Plastering—Chester Murphy, 2222 Bancroft Way, Berkeley.

Heating—W. H. Picard, 5656 College Ave., Oakland.

Sheet Metal—Walter Mork, 1814 San Pablo Ave., Berkeley.

Wiring—Kerr & Clifford, 3525 E-14th St., Oakland.

Bids are wanted on flooring and painting.

Owner Taking Bids.

ESUNGALOW Cost, \$5,000
LOS ALTOS, Santa Clara Co., Cal. One-story frame and stucco bunga-

low (5 rooms, shingle roof, hardwood floors).

Owner—Mr. and Mrs. Floyd Gray, 2451 Ridge Road, Berkeley.

Architect—Keefer and Herberger, 3281 Lakeshore Blvd., Oakland.

Plans Being Completed.

RESIDENCE Cost, \$—
CORTE MADERA, Marin Co., Cal. CORTE MADERA, Alameda Co., Cal. One-story frame and stucco residence (5 rooms).

Owner—Withheld temporarily.
Architect—John H. Thomas, Mercantile Bank Bldg., Berkeley.

Bids will be taken in about 1 week.

Sub-Bids Being Taken.

RESIDENCE Cost, \$7,000
SAN FRANCISCO. Upland Drive, Mt. Davidson Manor.

One-story and basement frame and stucco residence (six rooms; gas heat, tile baths, hardwood floors, etc.).

Owner—Martin Nelson, 2847 Army St. Architect—Not Given.

Sub-Contracts Awarded.

RESIDENCE Cost, \$12,500
BERKELEY, Alameda Co., Cal. Pan-
oramic Way.

Two-story and basement frame and stucco residence (tile roof, gas heating system, etc., 9 rooms and 2 baths).

Owner—Prof. Edward Cranston, 314 Panoramic Way, Berkeley.

Architect—E. L. Snyder, 2101 Addison St., Berkeley.

Contractor—Geo. Windser, 928 Kingston St., Berkeley.

Concrete—Triberti & Massaro, 937 58th St., Oakland.

Sash and Doors—Hogan Lumber Co., Second and Alice Sts., Oakland.

Lumber—E. K. Wood Lumber Co., Frederick and King Sts., Oakland.

Millwork—Hildebrand Planing Mill Co., Union and 26th Sts., Oakland.

Brick—Paul Ereikopf, 2145 E-23rd St., Oakland.

Tile—Rigney Tile Co., 3012 Harrison St., Oakland.

Roofing—Western Roofing Co., 24th and Poplar Sts., Oakland.

Painting—Blomgren Bros., 1927 Russell St., Berkeley.

Plumbing—J. M. Dale, 372 24th St., Oakland.

Hardware—Maxwell Hardware Co., 1320 Washington St., Oakland.

Wiring—E. L. Reed, 2538 76th Ave., Oakland.

Plans Being Prepared.

RESIDENCES Cost, \$5,000 & \$6,000
ATHERTON, San Mateo Co., Calif. One-story frame and stucco residence (6 rooms) and two-story and basement frame and stucco residence (6 rooms, 2 baths).

Owner and Builder—C. DeMaestro, 116 Baywater, Burlingame.

Architect—Not Given.

Composition roofs, tile baths, hardwood floors, gas heat, etc. Sub-bids will be taken within a few days.

Sub-Bids Being Taken.

RESIDENCE Cost, \$10,000
SAN FRANCISCO. San Aliso S Da-
rien Way.

Two-story and basement frame and stucco residence (8 rooms, 3 baths, tile and composition roof, gas heating system, electric refrigeration, tile baths and kitchens, interior canvas work, hardwood trim, hardwood floors, etc.).

Owner and Builder—A. J. Herzog, 635 Victoria Street.

Architect—Not Given.

To Be Done By Day's Work.

RESIDENCE Cost, \$10,000
SAN FRANCISCO. E Sotelo Et. 100 N Lopez St.

Two-story and basement frame and stucco residence (7 rooms) (tile roof, gas furnace, colored tile bath and kitchen).
Owner—Mrs. N. Skulberg, 242 21st Ave., San Francisco.

Plans by T. J. Mills, 242 21st St., San Francisco.

Mr. Mills will have charge of construction.

Project Abandoned.
RESIDENCE Cost, \$30,000

WOODSIDE, San Mateo Co., Cal.
Two-story and basement brick residence (15 rooms).

Owner—Withheld.
Architect—H. H. Gutterson, 526 Powell St., San Francisco.

Plans being figured by one contractor only.

Plans Being Figured.
RESIDENCE Cost, \$8000

BERKELEY, Alameda Co., Calif. Euclid Avenue.

Two-story and basement frame and stucco residence (6 rooms, tile roof, hardwood floors and trim, electric refrigeration).

Owner—Dr. B. Gray, 2518 Rose Walk, Berkeley.

Architect—H. H. Gutterson, 526 Powell St., San Francisco.

Plans are being figured by one contractor only.

Sub-Contracts Awarded.
RESIDENCE Cost, \$5000

OAKLAND, Alameda Co., Cal. 2346 96th Avenue.

One-story and basement frame and stucco residence (5 rooms).

Owner and Builder—W. J. Johnson, 220 Santa Rosa Ave., Oakland.

Plans by Owner.

Plastering—Ralph Tyler, 7203 Spencer St., Oakland.

Brick—Morgan Bros., 2205 84th Ave., Oakland.

Painting—Ulmer Bros., 1255 Hearst Ave., Berkeley.

Heating—Pacific Gas Appliance Co., 19th and Market Sts., Oakland.

Roofing—Bowers & Wright, 1832 Linden St., Oakland.

Cement—Geo. Prentice, 4055 San Pablo Ave., Oakland.

Plumbing—H. A. Hood Plumbing and Sheet Metal Works, 3823 E 14th St., Oakland.

Contract Awarded.

RESIDENCE Cost approx. \$55,000

HILLSBOROUGH, San Mateo Co., Cal.

Two-story frame and stucco residence

Owner—G. Lachman, Mission and 16th Sts., San Francisco.

Architect—Hyman & Appleton, 68 Post St., San Francisco.

Contractor—Jacks and Irvine, 74 New Montgomery St., San Francisco.

Stairs—Frank M. Phillips Co., 718 Bryant St., San Francisco.

Other awards will be made shortly.

Sub-Bids Being Taken.

RESIDENCES Cost, \$5000 & \$6000

ATHERTON, San Mateo Co., Calif.

One-story frame and stucco residence (5 rooms) and two-story and basement frame and stucco residence (6 rooms, 2 baths).

Owner and Builder—G. DeMaestro, 116 Baywater, Burlingame.

Architect—Not Given.

Composition roofs, tile baths, hardwood floors, gas heat, etc.

Contract Awarded.

RESIDENCE Cost, \$10,000

SONORA, Tuolumne Co., Cal.

Two-story and basement frame and stucco residence (Spanish style; 8 rooms, 2 baths; hot air heating, hardwood floors, tile roof, ornamental iron, tile baths).

Owner—W. L. Price, Sonora.

Architect—G. N. Hilburn, Elks Bldg., Modesto.

Contractor—Ecker & Stagmiller, 1658 S San Joaquin, Stockton.

Plans Complete.

CABIN Cost, \$—

LAKE TAHOE, Placer County, Calif.

Fullen Leaf, Stanford Camp.

One-story rustic mountain cabin (five rooms, 2 baths, large porch, native stone fireplace, shingle roof).

Owner—Prof. Jefferson Elmore, Palo Alto.

Architect—R. Cooper Corbett, 1729 Pacific Ave., San Francisco.

Owner will probably build only the foundation this fall, and complete the house in spring.

Plans Being Figured—To Close Aug. 27th.

RESIDENCE Cost, \$70,000

PIEDMONT, Alameda Co., Cal. Piedmont Estates.

Two-story and basement frame and stucco residence (Italian style, tile roof, ornamental iron, marble, gas heat, vapor system, landscaping).

Owner—R. K. Ham, Latham Square Bldg., Oakland.

Architects—Noble and Archie T. Newson, Russ Bldg., San Francisco.

COLUSA, Colusa Co., Calif.—Residence of Gerry Myers on the Sacramento river opposite Colusa destroyed by fire August 16. The loss is estimated at \$10,000 and is covered by insurance.

Plans Being Figured.

RESIDENCE Cost, \$15,000

HILLSBOROUGH, San Mateo Co., Cal.

Two-story and basement frame and stucco residence (9 rooms, 5 baths, tile roof, garage for 3 cars).

Owner—Dr. Bell.

Architect—Gardner Bailey, 425 Mason St., San Francisco.

Prospective bidders are:

Jacks and Irvine, 74 New Montgomery St., San Francisco.

Meese & Briggs, 1425 Broadway, Burlingame.

A. F. & C. W. Mattock, 212 Clara St., San Francisco.

Wm. Short, 2121 Waverly, Palo Alto.

Plans Being Figured—To Close 12 M. August 28.

DUPLEX RESIDENCE Cost, \$15,000

SAN FRANCISCO. Roosevelt Way N Clifford Terrace.

Two-story and basement frame and stucco duplex residence (12 rooms and 5 baths; part tile and composition roof, gas heater, canvas walls and ceilings, electric refrigeration, colored tile baths and kitchens).

Owner—Withheld.

Architect—Charles F. Strothoff, 2274 15th Street.

Preparing Plans.

RESIDENCE Cost, \$7000

LOS ALTOS, Santa Clara Co., Calif.

Los Altos Country Club property.

Two-story and basement frame and stucco residence (Spanish style, tile roof).

Owner—Miss M. E. Hammersmith.

Architect—C. S. McKenzie, 415 Twohy Bldg., San Jose.

Will be ready for figures in about two weeks.

Bids Opened.

RESIDENCES Cost, \$12,000

STOCKTON, San Joaquin Co., Cal. N Madison Street.

Four 1-story brick veneer residences (4 rooms each).

Owner—Miss Anne Griffin, Sonora Rd., Stockton.

Architect—J. U. Cloudsley, Exchange Bldg., Stockton.

Low Bidder—C. A. Towne, 526 E Main St., Stockton, \$14,563.27.

Other bids received were as follows:

Victor Saecone, Stockton..... \$14,611

J. A. Allen, Stockton..... 14,743

T. E. Williamson, Stockton..... 14,800

Contracts To Be Awarded

RESIDENCE Cost, \$50,000

HILLSBOROUGH, San Mateo Co., Cal.

Two-story and basement frame and stucco residence (terra cotta tile roof, steam heating system, electric refrigeration, etc.)

Owner—Mr. DeBenedetto.

Architect—Miller & Warnock, Financial Center Bldg., Oakland.

Low Bidder—O. Hedahl, Oakland, \$41,250.

Heating—Wm. H. Pickard, Oakland, \$5592.

Painting—Armstrong Decorating Co., Oakland, \$2999.

Other bidders on the general contract were:

D. B. Gladstone, 557 Market St., San Francisco, \$43,300.

A. F. and C. W. Mattock, 212 Clara St., San Francisco, \$44,824.

F. C. Stoltz, 3449 Laguna St., Oakland, \$46,470.

A. H. Feasey, 210 Clara St., San Francisco, \$46,682.

G. W. Williams, Burlingame, \$47,053.

Jensen & Pedersen, Oakland, \$48,637.

Thos. F. L. Furlong, Oakland, \$50,349.

Sub-Bids Wanted.

OFFICE & RESIDENCE \$10,000

OAKLAND, Alameda Co., Cal. 15th St. and Miller Ave.

Two-story frame and stucco building (offices on first floor; 6-room flat above; hot air heating system, tile roof).

Owner—Dr. J. J. Gomes, 2326 E-14th St., Oakland.

Private plans.

Contractor—H. E. Dickinson, Hayward

Taking Sub-Bids.

RESIDENCE Cost, \$6000

OAKLAND, Alameda Co., Cal. 35th Ave. and Mountain Blvd.

One-story and basement frame and stucco residence (6 rooms; tile roof, gas furnace, brick fireplace).

Owner and Builder—L. H. Wittaker, 3497 Claremont Ave., Oakland.

Plans by H. K. Jensen, 354 Hobart St., Oakland.

SCHOOLS

Preparing Working Drawings.

ADDITION Cost, \$400,000

PASADENA, Los Angeles Co., Cal.

Three-story reinforced concrete addition to chemistry building (two basements).

Three-story and basement reinforced concrete addition to biological building.

Owner—California Institute of Technology, E. California St., Pasadena.

Architect—Mayers, Murray & Phillips, Bertram G. Goodhue, associates, 2 W. 47th St., New York City.

Expect to invite bids about Oct. 1.

SAN FRANCISCO—Until Sept. 2nd, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, for metal fencing at the Balboa High School. Estimated cost, \$2,000. Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Bond of \$500 required of successful bidder. Plans obtainable from the Bureau of Architecture, Board of Public Works, 2nd floor, City Hall, on deposit of \$5, returnable.

Plans Being Figured—Close 10:30 A. M., August 24.

SCHOOL & HOME Cost, \$200,000

SAN FRANCISCO. Silver Avenue.

Four-story reinforced concrete girls' school and home (electric refrigeration, oil burning heating system).

Owner—Roman Catholic Archbishop of San Francisco, 110 Franklin St.

Architect—H. A. Minton, 525 Market Street.

Preparing Plans
ADDITION Cost, \$75,000
SAN FRANCISCO, Pine St. bet. Grant Ave. and Stockton St.
 Four-story reinforced concrete addition to school.
 Owner—St. Joseph's French School.
 Architect—Cole & Brouhard, 1st National Bank Bldg., Chico.

Contract Awarded.
SCHOOL. Cont. price, \$9971
FORT BRAGG, Mendocino Co., Calif. Leggett Valley.
 One-story frame school (4 classrooms, auditorium and offices).
 Owner—Fort Bragg Union High School District, J. J. Tallman, clerk, Ft. Bragg.
 Architect—N. R. Coulter, 45 Kearny St., San Francisco.
 Contractor—Charles Whited, Willits.

Contracts Awarded.
CLOCKS, ETC. Cont. price, \$3020
ALBANY, Alameda Co., Cal.
 Install program clocks and fire alarm systems in Herbert Hoover Junior High School and Marin Avenue School.
 Owner—Albany School Dist., Lloyd J. Fletcher, secretary.
 Architect—P. L. Dragon, Mercantile Bank Bldg., Berkeley.
 Contractor—Standard Elec. Time Co., 950 Parker St., Berkeley (1) \$1050; (2) \$1970.

Plans Being Figured—Bids Close Sept. 3, 7:30 P. M.
HEATING, ETC. Cost, \$40,000
STOCKTON, San Joaquin Co., Cal.
 Interior finish and heating plant for new building on the Prevocational School Grounds.
 Owner—City of Stockton, Ansel S. Williams, Secretary, Board of Education, Lindsay and San Joaquin Sts., Stockton.
 Architect—Losekann & Cloudsley, 309 Exchange Bldg., Stockton.
 Certified check or bidder's bond 10% required with bid. Plans obtainable from architect on deposit of \$25, returnable and on file in office of the secretary.

August 18, 1931
To Ask Bids In About Thirty Days.
SCIENCE BLDG. Cost, \$202,000
SAN JOSE, Santa Clara Co., Cal.
 Three-story and basement reinforced concrete Science Bldg. (tile roof, steam heating system).
 Owner—State of California.
 Architect—Ralph Wyckoff, Growers' Bank Bldg., San Jose.
 Associate Architect—Chas. McKenzie, Twoly Bldg., San Jose.

Plans Completed—To Ask Bids Shortly
ADDITION Cost, \$12,000
KENTFIELD, Marin Co., Cal.
 One-story 1-classroom addition to Science Building.
 Owner—Marin Junior College, Kentfield.
 Architect—A. A. Cantin, 544 Market St., San Francisco.

To Ask Bids August 24.
GYMNASIUMS Cost, \$1,000,000
LOS ANGELES, Calif. University of California at Los Angeles Campus.
 Two one-story class B steel and concrete gymnasium buildings (men's and women's gymnasiums).
 Owner—University of California.
 Architect—George Kelham, 315 Montgomery St., San Francisco.

BERKELEY, Alameda Co., Calif.—A. Soda and Son, 1077 65th St., Oakland, at \$2880 submitted low bid to the Berkeley Board of Education to construct a concrete culvert in Strawberry Creek on the site of the Burbank Junior High School gymnasium in the south side of Addison St. bet. Brown and Curtis Sts.

On Prop. 2, using 66-in. reinforced concrete pipe, centrifugal, low bid was submitted by L. C. Seidel, 680 14th St., Oakland, at \$4600, while the only bid submitted on Prop. 3, using 66-in. reinforced concrete pipe-machine was put in by Martin Murphy, 777 8th St., Oakland, at \$5000.

Contracts Awarded.
SCHOOL. Cost, \$—
SACRAMENTO, Sacramento Co., Cal. Thirty-fourth and W Streets.
 One-story brick and steel manual training quarters for high school (mill construction roof).
 Owner—City of Sacramento School District, Chas. Hughes, Superintendent, Board of Education.
 Architect—Jens C. Petersen, 326 26th St., Sacramento.

Brick or plaster interior partitions, concrete floors, brick and some plaster interior finish, oil burning heating system. There will be considerable equipment for vocational departments.

General Work
 Yoho & Dauger, 4452 27th St., Sacramento.
Electric
 J. C. Hobrecht, 1020 J St., Sacramento
Plumbing
 Carpenter & Mendenhall, 907 Front St., Sacramento.

Heating
 Luppen & Hawley, 3126 J St., Sacramento.

Following is a complete list of bids:

General Work
 Yoho & Dauger, Sacramento.....\$27,999
 M. R. Petersen, Sacramento.....28,285
 H. W. Robertson, Sacramento.....28,674
 McGillivray Const. Co., Sacto.....29,068
 Guth & Fox, Sacramento.....30,286
 Lindgren & Swinerton Inc. Sacramento.....30,400
 C. J. Hopkinson, Sacramento.....30,418
 Geo. D. Hudnutt, Sacramento.....30,566
 Gene Kenyon, North Sacto.....30,691
 Holdener Const. Co., Sacto.....31,759
 G. W. Kopp, Sacramento.....32,526
 F. L. Hansen, San Francisco.....38,800

Electrical
 J. C. Hobrecht, Sacramento.....\$5,680
 M. P. Cannon, Sacramento.....5,686
 Luppen & Hawley, Sacramento.....6,000

Plumbing
 Carpenter & Mendenhall, Sacto.....\$1,975
 Luppen & Hawley, Sacramento.....1,997
 A. W. Sweet, Sacramento.....2,663
 J. J. McDermott.....3,274
 Cowles & Co., Sacramento.....3,290

Heating
 Luppen & Hawley, Sacramento.....\$1,792
 Carpenter & Mendenhall, Sacto.....2,596
 A. W. Sweet, Sacramento.....2,570
 J. J. McDermott.....4,179
 Cowles & Co., Sacramento.....4,740
 Scott Plumbing & Electric Co., Sacramento, submitted a combined bid on plumbing and heating at \$7,410.

Sprinkler System
 Fire Protection Engineering Co., 369 Pine St., San Francisco.....\$2,898
 Automatic Sprinkler Corp., S. F. 2,976
 Globe Automatic Sprinkler Corp., San Francisco.....4,640
 Carpenter & Mendenhall, Sacto.....5,500
 Sprinkler bids held under advisement.

BERKELEY, Alameda Co., Calif.—Standard Fence Co., 432 Bryant St., San Francisco, awarded contract by Berkeley Board of Education for furnishing and erecting fences at the following schools:
 Columbus Grammar School, \$1656.
 Emerson Grammar School, \$500.
 Jefferson Grammar School, \$2100.
 Garfield Grammar School, \$1500.

Contracts Awarded.
SPECIAL FIXTURES Cost, \$—
HOLLISTER, San Benito Co., Cal.
 Special fixtures for school.
 Owner—Hollister School District.
 Architect—W. H. Weeks, 525 Market St., San Francisco.

Special Fixtures—Fink and Schindler, 228 13th St. San Francisco, approx. \$5,000.

Electric Work—Atlas Electric Co., 343 4th St., San Francisco.

Plans Being Figured—Bids Close Aug. 28, 8 P. M.

HEATING-VENTILATING Cost, —
HOLLISTER, San Benito Co., Cal.
 Install heating and ventilating system in uncompleted first and second units of high school plant.

Owner—San Benito County High School District, J. M. O'Donnell, president of the Board of Trustees.
 Architect—W. H. Weeks, 525 Market St., San Francisco.

Certified check 5% payable to district required with bid. Plans obtainable from the architect.

Contract Awarded.
ADDITION Cost, \$6000
CONCORD, Contra Costa Co., Cal. Mt. Diablo High School.

Addition to gymnasium (add dressing rooms and showers, etc.; frame construction, tile floors and walls, gas steam radiation, hot water storage tank and heater, composition roofing).

Owner—Mr. Diablo Union High School District, Concord.

Architect—Paul D. Dragon and C. R. Schmidt, Mercantile Bank Bldg., Berkeley.

Contractor—C. M. Norgrove, 2220 Roosevelt St., Berkeley.

Following is a complete list of bids:

(1) add for tile floors in girls' showers and dressing rooms.
 (2) deduct for omitting gas steam heating equipment.
 (3) add for steam heating equipment.

C. M. Norgrove, Berkeley, \$7,057 (1)
 \$190 (2) \$159 (3) \$1285.

Geo. Scott, Oakland, \$7,400 (1) \$200 (2) \$109 (3) \$

F. Henderson, Oakland, \$7,485 (1) \$451 (2) \$1338.

L. Z. Perry, Concord, \$7,574 (1) \$145 (2) \$775.

N. H. Sjoberg & Son, San Francisco, \$7,889 (1) \$196 (2) \$1370 (3) \$1290.

B. F. Owens, Pittsburg, \$8,245 (1) \$175 (2) \$1530 (3) \$1336.

J. B. Bishop, Oakland, \$8,637 (1) \$175 (2) \$1,298 (3) \$1,250.

S. McDonald & Son, Berkeley, \$8,670 (1) \$190 (2) \$1000 (3) \$1250.

T. J. Kennedy, Martinez, \$3,1350.
 Scott Co., Oakland (3) \$1195.

SAN FRANCISCO—Leonard S. Leavy, city purchasing agent, 270 City Hall, rejects bids received May 25, under Proposal No. 719 to furnish and install opera chairs in the Balboa High School, the Aptos Junior High School and James Lick Junior High School. (5471) 1st report April 29, 1931. 15

SAN FRANCISCO—Fred E. Turner, P. O. Box 501, Stockton, at \$6,500.46 awarded contract by Leonard S. Leavy city purchasing agent, under Proposal No. 739, to furnish and install slate blackboard and cork carpet for the Lowell High School. The original bid was \$7,855.50 less items of carpentry and painting to be done by employees of the Department of Public Works. The contractor's figures are 12 cents per square foot for removing moldings, painting, repairing walls and new moldings for slate; 9 cents per square foot for painting, carpenter work and molding for cork.

Slate estimated at 9,120 square feet at 12¢—\$1,094.40.

Cork estimated at 2,896 square feet at 9¢—\$260.64.

Total of \$1,355.04.
 Net contract to Turner, \$6,500.46.

Plans Being Figured.
SCHOOL. Cost, \$200,000
NORTH HOLLYWOOD, Los Angeles
Co., Cal. Magnolia and Sepulveda
Rivds.

Five two-story reinforced concrete
school buildings.
Owner—Neaneth School for Boys.
Architect—L. E. Lovelace, Robertson
Bldg., Beverly Hills.
Work involves administration build-
ing, 150x150 feet in area, two dormi-
tories, 125x125 feet in area, refectory
building, 100x60 feet in area, and a
service building, 50x60 feet.

Electrical and Special Fixture Con-
tracts Awarded.

MISCELLANEOUS UNITS Cost, \$—
SANTA ROSA, Sonoma Co., Cal.

(a) electric work (b) special fixture
work for Science Unit of Junior
College and (c) for heating one or
more buildings of the College.

Owner—Santa Rosa Junior College
District, J. B. Bridgeford, Secre-
tary, 109 E-Washington St., Petal-
uma.

Architect—W. H. Weeks, 525 Market
St., San Francisco.

Electric—K. F. Stolling, Santa Rosa,
at \$4200.

Special Fixtures—C. F. Weber & Co.,
650 Second St., San Francisco, at
\$11,845.

Heating bids are still under advise-
ment.

Construction Recommended.
SCHOOL UNITS Cost, \$—
BAKERSFIELD, Kern Co., Cal.

Auditorium, classroom building and
additions to existing units at high
school grounds.

Owner—City of Bakersfield School
District.

Architect—Not Yet Selected.

The above construction is recom-
mended by H. A. Spindt, principal of
the Bakersfield High School. The
recommendation will be given con-
sideration at the next meeting of the
Board of Education.

Plans Being Prepared.
ADDITION Cost, \$6000
COLLEGE CITY, Colusa Co., Cal.

One-story frame and stucco addition
to gymnasium (steam boiler plant,
concrete floors, steel sash, composi-
tion roof).

Owner—Pierce Joint Union High
School District.

Architect—Otto Deichmann, 110 Sut-
ter St., San Francisco.

Plans will be ready for bids in about
three weeks.

Plans Being Prepared.
ADDITION Cost, \$11,042
ROSEVILLE, Placer Co., Cal.

Two-story brick addition to school.
Owner—Roseville School District.

Architect—Starks & Flanders, Forum
Bldg., Sacramento.

Plans Being Figured—Bids Close Aug.
27, 8 P. M.

SHADES Cost, \$—
MADERA, Madera Co., Cal.

Furnish and install window shades in
high school addition.

Owner—Madera Union High School
Dist., C. M. Petty, clerk, Madera.

Architect—Not Given.

Certified check 10% required with
bid. Specifications obtainable from M.
C. Taylor, city superintendent of
schools, or from the clerk of the board
of trustees at Madera.

Contract Awarded.
ROOFING Cost, \$1598
PORTERVILLE, Tulare Co., Cal.

Install new roof on Manual Arts Bldg.
at high school plant.

Owner—Porterville Union High School
District, H. T. Perkins, Clerk.

Architect—W. D. Coates Jr., 626
Rowell Bldg., Fresno.

Contractor—D. H. Coffman, Fresno.
Following is a complete list of bid
received:

D. H. Coffman, Fresno	\$1798
L. E. Eddy, Porterville	1678
R. Hodgson & Son, Porterville	1620
C. S. Jackson, Fresno	1660
E. E. McMullen, Fresno	1695
Ferris-Oshorn, Fresno	1766
P. H. Willoughby, Tulare	1825
C. L. Frost, Monterey	1895
M. Keltner & Son	1918
Valley Lumber Co., Fresno	1929
Frank Sheldon, Porterville	1995
C. E. Holland, Porterville	2174

Contracts Awarded.
SCHOOL Cost, \$—
REDWOOD CITY, San Mateo Co., Cal.

One-story reinforced concrete school
(six classrooms) and 1-story frame
and stucco school (3 classrooms).

Owner—Redwood City School District,
C. G. Uhlenberg, clerk

Architect—Coffey & Rist, Phelan Bldg.
San Francisco.

Eagle Hill School
H. B. Post, 1130 Webster Street,
Palo Alto

Garfield School
H. H. Larsen Co., 64 South Park
San Francisco

Washington School Auditorium
Gus Waller, 221 Hudson St., Red-
wood City

\$47,200
\$8,882
\$6,425

Sub-Bids Wanted.
SCHOOL Cost, \$100,000
REDWOOD CITY, San Mateo Co., Cal.

NE Katherine and Grand Sts.
Two-story concrete school (Spanish
type, ten classrooms, club house,
auditorium and cafeteria).

Owner—Roman Catholic Archbishop of
San Francisco, 1100 Franklin St.
San Francisco.

Architect—H. A. Minton, 525 Market
St., San Francisco.

F. C. Amoroso & Sons, Wallace and
Keith Sts., San Francisco general con-
tractors, desire sub-bids on all por-
tions of the work in connection with
above, for which general bids are to
be opened Aug. 22, 10 A. M.

To Ask Bids In About One Week.
SCHOOL & GYM Cost, \$150,000
ELDRIDGE, Sonoma Co., Calif.

One-story reinforced concrete exten-
sion to school and gymnasium and
new ward building.

Owner—State of California.
Architect—Powers & Ahnden, 605 Mar-
ket St., San Francisco.

Contracts Awarded.
SPECIAL FIXTURES Cost, \$—
HOLLISTER, San Benito Co., Cal.

Special fixtures for school.
Owner—Hollister School District.

Architect—W. H. Weeks, 525 Market
St., San Francisco.

Special Fixtures—Fink & Schindler,
228 13th St., San Francisco, at
\$7800.

Electric Work—Atlas Electric Co., 343
Fourth St., S. F., at \$2999.

Following is a complete list of bids:
Special Fixtures

Fink & Schindler, San Francisco, \$7221
(1) add \$578.

Pacific Mfg. Co., S. F., 7300
(1) \$660.

Bras & Kuhn, San Francisco, 7323
(1) \$767.

C. F. Weber & Co., S. F., 7530
(1) \$620.

Home Mfg. Co., S. F., 8420
(1) \$564.

Atlas Electric Co., S. F., \$2651
(1) add \$280; (2) add \$68.

Hollister Elec. Co., Hollister, 2875
(1) add \$285; (2) add \$74.

Roy M. Eutcher, San Jose, 2893
(1) add \$400; (2) add \$88.

Contracts awarded with alternates.

Bids Rejected.
SCHOOL & HOME Cost, \$200,000
SAN FRANCISCO, Silver Avenue.

Four-story reinforced concrete girls'
school and home (electric refrig-
eration, oil burning heating sys-
tem).

Owner—Roman Catholic Archbishop of
San Francisco, 1100 Franklin St.,
San Francisco.

Architect—H. A. Minton, 525 Market
St., San Francisco.

Whether new bids will be taken or
not is indeterminate at this time. As
previously reported, lowest bid was
submitted by J. A. Bryant, Call Bldg.,
San Francisco.

LINDSAY, Tulare Co., Calif.—High
School Shops Building, recently de-
stroyed by fire with a loss of \$12,000,
will be reconstructed at once, it is an-
nounced by L. P. Cunningham, assist-
ant shop instructor at the high school.

Contract Awarded.
ADDITION Cont. price, \$8233
MILBRAE, San Mateo Co., Cal.

One-story frame and stucco addition
to grammar school (2 classrooms,
kindergarten, corridors, etc.)

Owner—Milbrae Grammar School Dis-
trict.

Architect—Edwards and Schary, 605
Market St., San Francisco.

Contractor—R. C. Stickle, South San
Francisco.

BANKS, STORES & OFFICES

Plans To Be Figured.
STORE & OFFICES Cost, \$10,000
CALISTOGA, Napa Co., Cal.

Two-story brick store and office build-
ing (tile base and steel sash).

Owner—Withheld.

Plans by E. O. Blodgett, 4617 Benevi-
des Ave., Calistoga.

Selected bidders who will submit
figures are: Hugo Carlson, Calistoga;
Banta & Coulter, Calistoga; Fred
Stolte, 3449 Laguna St., Oakland.

Preparing Working Drawings.
MARKET Cost, \$25,000
BERKELEY, Alameda Co., Cal.

Three-story brick and concrete store
building (salesroom and offices; 60
by 90-ft.)

Owner—J. E. Holstrom.

Architect—Treichel & Goodpastor, 1540
San Pablo Ave., Oakland.

Sub-Contract Awarded.
STORE Cont. price, \$76,000
SANTA ROSA, Sonoma Co., Cal.

Three-story brick and concrete store
building (salesroom and offices; 60
by 90-ft.)

Owner—S. H. Kress and Co., 621 South
Broadway, Los Angeles.

Architect—John Fleming, 1031 South
Broadway, Los Angeles.

Contractor—Lindgren and Swinerton,
Inc., California State Life Bldg.,
Sacramento.

Caissons—Hunt & Sanderson Co., Los
Angeles.

Sub-Bids Wanted.
STORE Cost, \$7000
SAN FRANCISCO, Ocean Avenue and
Fairfield.

One-story frame and stucco store
(composition roof).

Owner—C. E. L. Shaw.

Architect—Bertz, Winter & Maury, 210
Post Street.

Contractor—G. P. W. Jensen, 320 Mar-
ket Street.

Sub-Contracts Awarded.
NEWSPAPER OFFICE Cost, \$25,000
REDWOOD CITY, San Mateo Co., Cal.

One- and two-story reinforced con-
crete office building.

Owner—Pentecost Newspapers, Inc., 478 Hibernia St., Palo Alto.
Architect—John B. McCool, 281 Bush St., San Francisco.
Contractor—Wells P. Goodenough, 310 University Ave., Palo Alto.
Wiring—M. E. Ryan, Redwood City.
Plumbing—E. E. Brand, Redwood City.
Sheet Metal—Chas. Spaulder, 841 Alma St., Palo Alto.
Heating—W. Sterling, Redwood City.
Ornamental Iron—Ave. Iron Works, 159 South Park, San Francisco.
Steel Sash—U. S. Metal Products, 1750 Ames St., San Francisco.
Painting—L. E. Doshette, Redwood City.
Millwork—Hayshore Mfg. Co., 645 Runnymede, E Palo Alto.
Reinforcing Steel—W. C. Hauck and Co., 280 San Bruno Ave., S. F.
Roofing—Bush Roofing Co., 359 B St., San Mateo.
Masonry—Alexander Walker, Menlo Park.
Cast Stone—August Dackert, 1450 15th St., San Francisco.
Glazed Brick—S. & S. Tile Co., San Jose.
Ornamental Tile—Malott & Peterson, 3221 20th St., San Francisco.
Venetian Blinds—Behn Co., Hearst Bldg., San Francisco.
Finish Hardware—Levy Bros., San Mateo.
Ironite—O. H. Mann Co., Hunter-Du-lin Bldg., San Francisco.
Lumber—Gray Thorning, Redwood City.
Colored Floors—A. C. Horn Co., 557 Market St., San Francisco.
Flexwood and Colored Plaster—Gurnette & Chandler, 51 Beaver St., San Francisco.
Preliminary Plans Being Prepared.
REMODELING Cost, \$—
MODESTO, Stanislaus Co., Calif. SE 10th and I Streets.
Remodel bank (new front, install elevator, etc.)
Owner—Modesto Trust & Savings Bank, premises.
Architect—Reed and Corlett, Oakland Bank Bldg., Oakland.
Sub-Contracts Awarded.
STORE Cost, price, \$76,000
SANTA ROSA, Sonoma Co., Cal. 4th Street.
Three-story brick and concrete store building (salesroom and offices; 60 by 90-ft.)
Owner—S. H. Kress and Co., 621 South Broadway, Los Angeles.
Architect—John Fleming, 1031 South Broadway, Los Angeles.
Contractor—Lindgren and Swinerton, Inc., California State Life Bldg., Sacramento.
The building will have composition roofing, steel sash, hardwood floors, plate glass, etc.
Structural Steel—California Steel Co., Hobart Bldg., San Francisco.
Terra Cotta—N. Clark & Son, 116 Natoma St., San Francisco.
Building Materials—Santa Rosa Bldg. Material Co., Santa Rosa.
ALTERATIONS Cost, \$11,000
OAKLAND, Alameda Co., Calif. 1767 Broadway.
Alterations to building.
Owner—Jackson Jewelry Co., 1432 Broadway, Oakland.
Architect—Wm. Knowles, 429 20th St., Oakland.
Contractor—Feel and Paradise, Oviat Bldg., Los Angeles.
Sub-Contracts Awarded.
OFFICES Cost, \$325,000
SAN FRANCISCO. N. McAllister W. Polk St. (60x120-ft.)
Six-story and basement class A reinforced concrete offices (terra cotta and granite facing; steam heating system, etc.)

Owner—Perry F. Burke, % Wm. Magee, 69 Sutter Street.
Architect—Bliss & Fairweather, Balboa Building.
Contractor—Barrett & Hilp, 918 Harrison Street.
Engineer—T. Ronneberg, Crocker Bldg.
Structural Steel—Judson Pacific Co., 609 Mission Street.
Steel Stairs—California Artistic Metal & Wire Co., 349 7th St.
Terra Cotta—Cladding, McLean & Co., 604 Market Street.
Reinforcing Steel—Pacific Coast Steel Corp., 20th and Illinois Sts.
Sub-Bids Being Taken.
ALTERATIONS Cost, \$10,000
BERKLEY, Alameda Co., Cal. Shattuck and Kittridge Avenues.
Alterations and additions to store.
Owner—J. F. Hink & Son, premises.
Architect—W. H. Ratcliff Jr., Chamber of Commerce Bldg., Berkeley.
Contractor—Edw. Anderson, % owner.
Sub-bids are wanted on brick work, plastering, trim, cement and tile work.
Sub-Contracts Awarded.
ALTERATIONS Cost, \$11,000
OAKLAND, Alameda Co., Calif. 1767 Broadway.
Alterations to building.
Owner—Jackson Jewelry Co., 1432 Broadway, Oakland.
Architect—Wm. Knowles, 429 20th St., Oakland.
Electric Work—Scott-Buttner Electric Co., 19 Grand Ave., Oakland.
Plastering—Wm. Makin, 354 Hobart St., Oakland.
Plumbing—Scott Co., 113 10th Street, Oakland.
Painting Contract Awarded.
ALTERATIONS Cost, \$30,000
SAN FRANCISCO. 214-218 Post St.
Alterations to 5-story concrete building with terra cotta front.
Owner—Eastman Kodak Co., 545 Market Street.
Architect—Bliss & Fairweather, Balboa Bldg.
Contractor—Barrett & Hilp, 918 Harrison Street.
Painting—D. Zelinsky and Son, 165 Grove Street.
Other awards previously reported.
Contract Awarded.
OFFICES
SACRAMENTO, Sacramento Co., Cal. SW Tenth and N Streets.
One-story class A reinforced concrete fruit exchange office building (80x160-ft. garage in rear 42-ft. sq.)
Owner—California Fruit Exchange (J. L. Nagle, general manager), Sacramento.
Architect—Starks & Flanders, Forum Bldg., Sacramento.
Contractor—Azevedo & Sarmiento, 920 O St., Sacramento.
Following is a complete list of bids:
Geo. D. Hudnutt, Sacramento.....\$65,555
Azevedo & Sarmiento, Sacto.....66,666
C. J. Hopkins, Sacramento.....67,886
Campbell Const. Co., Sacto.....67,976
Ira C. Ross, Sacramento.....67,995
Lindgren & Swinerton Inc., Sacramento.....74,700
MERCED, Merced Co., Cal.—J. H. Simpson, principal owner of the El Capitán Hotel, partially destroyed by fire recently, announces the damaged portion will be rebuilt at once, probably for hotel, offices or store quarters. Insurance adjustments are under way.

Remodel present theatre (stucco finish, walls lined with celotex, temperature regulator, to seat 300).
Owner—F. H. Duhring, Sonoma.
Architect—Not Selected.
Lessee—Messrs. Mohr & Pollock.
More information will be given at a later date.
Additional Sub-Contracts Awarded.
THEATRE Cost, \$65,000
PALO ALTO, Santa Clara Co., Calif. University Ave. near Cowper St. (62½x150-ft.)
Two-story concrete theatre and store (to seat 1000; Gothic type).
Owner—United Artists Theatres of California, Jos. M. Schenck, vice-president, 1965 S Vermont Street, Los Angeles.
Architect—Walker & Elsen and C. A. Balch, Western Pacific Bldg., Los Angeles.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Monolithic concrete exterior finish; hot air heating system, gas furnace, composition roof.
Cement—Gray-Thorning Lbr. Co., 543 Emerson St., Palo Alto.
Lumber—Christensen Lbr. Co., 5th & Hooper Sts., San Francisco.
Aggregate—Pacific Coast Aggregates Co., 82 2nd St., San Francisco.
As previously reported, reinforcing steel awarded to Pacific Coast Steel Corp., 20th and Illinois Sts., San Francisco; excavation to M. F. Kavanaugh, Bay Road, Menlo Park.
Sub-bids are being taken on other portions of the work.
Cresta St., Oakland.
WHARVES AND DOCKS
Contract Awarded.
BULKHEAD BUILDING
Contract price, \$31,230
SAN FRANCISCO. Head of Pier 39.
Steel frame stucco front bulkhead building (tar and gravel roof).
Owner—State of California (Harbor Commission).
Engineer—Frank G. White, Chief Engineer, Ferry Bldg.
Contractor—William Spivock, Hobart Building.
Following is a complete list of bids:
Wm. Spivock, San Francisco.....\$31,230
David Nordstrom, Oakland.....32,769
Clancy Bros., San Francisco.....32,780
MacDonald & Kahn, S. F.....32,878
Barrett & Hilp, San Francisco.....33,249
N. H. Sjoberg & Son, S. F.....33,769
Clinton Stephenson Const. Co., San Francisco.....33,852
Monson Bros., San Francisco.....33,860
Empire Const. Co., S. F.....34,450
F. C. Amoroso & Son, S. F.....34,490
E. F. Lesure, Oakland.....34,760
Joel Johnson, San Francisco.....34,963
SACRAMENTO, Cal.—Western Foundation Co., 308 West Washington St., Chicago. (Mr. Mahony, Hotel Senator, Sacramento, Pacific Coast representative), at \$675 per lin. ft. awarded contract by city commissioners to furnish and drive 1870 piles (approximately 93,500 lin. ft. in all) in connection with the new pre-treatment works of the Municipal Filtration Plant. Low bid was submitted by the Raymond Concrete Pile Co., Hunter-Du-lin Bldg., San Francisco, at \$65 lin. ft. but, in a legal opinion secured by the council, the bid was declared not in conformity to city provisions for competitive bidding. Complete list of bids published in issue of August 8.

THEATRES

Planned.
REMODELING Cost, \$5000
SONOMA, Sonoma Co., Cal. Don Theatre).

MISCELLANEOUS CONSTRUCTION

Contract Awarded.
COLISEUM Cost, \$200,000
RENO, Nevada. West Second St.

One-story brick and steel coliseum (290 ft. by 300 ft.).
Coliseum Holding Co., Inc., Reno.
 Architect—George E. Koster, Atlantic Bldg., Reno.
 Contractor—W. K. Owen, 3145 Pieter St., Fruitvale, Calif.

The structure will provide accommodations for an ice hockey rink, basketball courts, boxing arena, exhibition rooms and convention quarters. Ice skating rink will be 80 ft. wide and 190 ft. long. Seating accommodations in connection with this feature will provide for 3500 persons. W. K. Owen, the general contractor, is a stockholder in the Coliseum Holding Corp. Other stockholders include R. C. Hawes of Stockton, W. P. Murphy of Los Angeles and R. K. Whittenberg, Reno, attorney for the company. In the operation of the building the holding company will lease the structure for a period of ten years to the Reno Coliseum, Inc., which is the operating company and in which Mayor E. E. Roberts, City Councilmen San Frank and C. H. Knox, J. E. Martie, University of Nevada athletic instructor, F. P. Strassburg and R. K. Whittenberg, are to be interested. The Western Building & Finance Co. is financing the structure and handling other details. The Washoe Title & Guaranty Company of Reno, is acting as trustees.

Sub-Contracts Awarded.
HOSPITAL Cont. price, \$10,900
SAN MATEO, San Mateo Co., Cal.
 Two-story frame and stucco cat and dog hospital, double garage, separate (concrete floors, iron work, composition roof, steel sash, hot water heating).
 Owner—Dr. Harold H. Groth, 2600 S. El Camino Real, San Mateo.
 Architect—Trelchel & Goodpastor, 1540 San Pablo Ave., Oakland.
 Contractor—C. H. Thrams, 28 Home Place, Oakland.
Electrical Work—Bert Klose, Burlingame.
Plumbing—Morrison & Blair, San Mateo.
Heating—Garvey Sheet Metal Works, Burlingame.
Painting—Raphael Co., San Francisco.

Sub-Contracts Awarded.
MORTUARY Cont. price, \$15,620
HAYWARD, Alameda Co., Cal.
 One-story brick and frame class mortuary building.
 Owner—Pratt Mortuary, 1044 C Street, Hayward.
 Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
 Contractor—Jensen and Pedersen, 3443 Adeline St., Oakland.
Millwork—Quist Bros. & Co., Watkin St., Hayward.
Sheet Metal—Cluer Sheet Metal Wks., Hayward.
Plumbing—Lorenzo Augustine, 16404 E. 14th St., Ashland, Hayward.
Concreting—Gonsalves Sybil Avenue, Hayward.
Tile Roofing—M. & S. Tile Co., Decoto.
Brick—Wilhelm Holst, 2827 Park St., Berkeley.
Wiring—Hugo Frank, Melvin Court and Smalley Ave., Hayward.

Sub-Bids Being Taken.
HOSPITAL Cont. price, \$10,900
SAN MATEO, San Mateo Co., Cal.
 Two-story frame and stucco cat and dog hospital, double garage, separate (concrete floors, iron work, composition roof, steel sash, hot water heating).
 Owner—Dr. Harold H. Groth, 2600 S. El Camino Real, San Mateo.
 Architect—Trelchel & Goodpastor, 1540 San Pablo Ave., Oakland.
 Contractor—C. H. Thrams, 28 Home Place, Oakland.

Plans Being Connected.
MUSEUM Cont. \$5500
OROVILLE, Butte Co., Cal.
 One-story stone and steel museum. Owner—Native Sons and Daughters, Oroville.
 Architect—Cole & Broughard, Chico.

Work will be done by day's labor and will be started in about two weeks.

Grading Contract Awarded.
SUGHERWAY, ETC. Cont. \$25,000
OAKLAND, Alameda Co., Cal. East 14th Street.
 Auto speedway and frame grandstand. Owner—H. B. Clark, 2604 Short Street, Fruitvale.

Plans by Eng. Dept. of A.A.A.
Grading—Max Caswell, 3526 Custer St. Fruitvale.

Seth Hoskins, Oakland, is in charge of grandstand construction. Work will begin immediately.

Plans Being Figured—Bids Close Sept. 8, 11 A. M.
MISCELLANEOUS WORK Cost, \$—
SAN JOSE, Santa Clara Co., Cal.
 Milpitas.
 Construct chicken laying and runs at County Almshouse.

Owner—County of Santa Clara, Henry A. Pfister, County Clerk.
 Architect—C. S. McKenzie, 415 Twohy Bldg., San Jose.
 Certified check 10% payable to county clerk required with bid. Plans obtainable from the clerk on payment of \$1.

WOODLAND, Yolo Co., Cal.—A petition presented to the city council by tax payers urges the construction of a municipal swimming pool. The petition has been taken under advisement.

REDWOOD CITY, San Mateo Co., Cal.—City council plans to replace present globe illumination in the highway entrance sign of the city at El Camino Real and Broadway with tube lighting. The cost of the work is estimated at \$1125. The improvements, it is estimated, will save the city \$20 per month in maintenance costs.

SAN FRANCISCO.—Savage Transfer Co., 7th and Daggett Streets, at \$47,639 submitted the low bid August 13 to the Board of Public Works for hauling cement, sand and gravel in connection with the Hetch Hetchy Aqueduct, involving:

- Item 1—Hauling cement from Moy Siding to Thomas Camp.
 - (a) cement in bulk, 15,000 tons.
 - (b) cement in cloth sacks, 1000 tons.
 - (c) cement in paper sacks 1000 tons.
- Item 2—Hauling sand and gravel from pits to screening plant and to Corral Hollow, 350,000 cu. yds.
- Item 3—Hauling sand and gravel from stock piles at Corral Hollow to Thomas Camp, 100,000 cu. yds.

A complete list of the total bids follows (unit bids on file in office of Daily Pacific Builder and may be inspected by those interested).

*Felix Gross	\$16,000
*I. Hanify	25,000
Savage Transfer Co.	47,639
C. A. Howard	57,900
Periera and Reed	53,100
J. H. Creighton	61,450
Highway Builders, Ltd.	61,500
M. Rosenberg	65,700
Sibley Teaming & Grading Co.	71,420
J. & T. Buranis	73,550
C. L. Harney	78,000
McClure & Chamberlain	79,630
F. C. Cuffe	82,400
W. H. Hauser	86,600
J. Cassore	89,400
A. J. & J. L. Fairbanks	92,500
R. A. Comyns	95,300

*Bid incomplete.

BUSINESS OPPORTUNITIES

Names and addresses of persons or firms concerned in new business opportunities and in business acquisitions are listed in this department to business opportunities. Department, Daily Pacific Builder, 547 Mission St., San Francisco, or phone 644-1644.

21292—Electric Generating Plant, San Francisco. Bids wanted by foreign government on erection of an electric generating plant. Condition of tender and specifications available.

21300—Wipac Rags, Roofing Rags and Waste, Osaka, Japan. Manufacturers and exporters of the above mentioned articles are seeking a local market. References available.

21302—Sales Promotion, Rangoon, Burma. Party with knowledge of eight European languages plans to visit San Francisco in October and interview firms interested in promoting sales abroad.

30308—Paraffine, Buenaventura, Colombia. Owners of a candle stick plant are desirous of importing paraffine and request prices.

SACRAMENTO, Cal.—Pacific Gas & Electric Co., 245 Market St., San Francisco, seeks authorization of State Reclamation Board to install two 8-inch gas mains in the east levee of the Sacramento river, at the P. G. & E. Company's wharf.

"Predictions that automobiles capable of sustained road speeds of 75, 80 and even 100 miles an hour will soon be in stock production have been made at the last meeting of the Society of Automotive Engineers," says Engineering News-Record. "The natural reaction to such announcements is one of consternation; surely present speeds of congested highways are quite sufficient to satisfy all but the most foolhardy. Yet it must not be forgotten that a century ago a railway speed of 15 miles was regarded as suicidal by contemporary authorities; and that even the past decade has witnessed a 50 per cent increase in the normal, conservative touring pace. What reason is there to assure us that the ultimate maximum has been reached? After all, highway safety is a relative term, dependent upon three factors—car, driver and road. The S. A. E. is confident of the manufacturers' ability to produce cars capable of safe high speed, and past experience shows that the average driver can be educated to faster travel. The road factor depends upon proper design and adequate construction—it behooves our highway designers to look well to the future."

A new idea is being worked out in arranging the exhibit feature of the joint convention of sheet metal, slate and composition roofers' organizations at Louisville, Ky., the week of January 23, 1932. It is the educational idea. Heretofore trade exhibits have been just individual exhibits, each manufacturer vying with the other in an effort to outdo his rival. In this joint convention the exhibitors are being urged to put emphasis on their new productions, as showing the progress made by the trade. The exhibit is to be a series of exhibits, each a display of the new and novel in the roofing and allied industries, so that the visitor will be enabled to learn in a few hours more than he could hope to learn in as many years if he had stayed at home. This plan will be an inducement to the members of the several trades represented to attend the convention, and an incentive to exhibitors to "put the best foot forward."

Engineering News Section

BRIDGES

SANTA ROSA, Sonoma Co., Cal.—Until August 31, 12 noon, bids will be received by Geo. P. Sanborn, county clerk, to construct a reinforced concrete box culvert under Chapman Lane in the Second Supervisorial District, involving:

- (1) 32 cu. yds. Class A concrete;
- (2) 4718 lbs. reinforcing steel;
- (3) 62 cu. yds. structure excavation.

Specifications obtainable from E. A. Peugh, county surveyor.

SANTA ROSA, Sonoma Co., Calif.—Until August 31, 12 noon, bids will be received by Geo. P. Sanborn, county clerk, to construct two timber bridges on the Trenton-Woolsey Road in the Second and Third Supervisorial Districts, involving:

- (1) 100 M.B.M. redwood lumber;
- (2) 6500 M.B.M. redwood lumber, old to be placed;
- (3) 9000 lbs. structural steel;
- (4) 3550 lin. ft. of piles;
- (5) 875 cu. yds. approach fills.

Specifications and further information obtainable from E. A. Peugh, county surveyor.

SAN RAFAEL, Marin Co., Cal.—Until August 23, 11 A. M., bids will be received by Robt. E. Graham, county clerk, to construct two reinforced concrete bridges on the Fallon-Two Rock Road, at Huntley Lane and the Bassett Ranch in Road District No. 4, involving:

- (1) 134 cu. yds. class A Portland cement concrete in place;
- (2) 16,500 pounds reinforcing steel in place.

Plans obtainable from Rodney Messner, county surveyor.

MONTEREY COUNTY, Cal.—Ward Engineering Co., 315 Montgomery St., San Francisco, at \$203,234 awarded contract by State Highway Commission to construct a reinforced concrete bridge across Elkby Creek about 18 miles south of Carmel, consisting of one 330 ft. open spandrel arch span and nine 40 ft. girder approach spans. Complete list of unit and total bids received on this project published in issue of August 11.

REDDING, Shasta Co., Calif.—See "Streets and Highways," this issue. Bids wanted for road clearing and repair of Sacramento river bridge at Kennett.

LONG BEACH, Cal.—Construction of \$140,000 bridge on Orange Ave. and Hill St. over tracks of Pacific Electric Railway will start probably in September. The city attorney's office expects to have all necessary rights of way within ten days or by Sept. 1. The cost will be shared by the railway, Los Angeles county and the cities of Signal Hill and Long Beach. The new structure will be a double reinforced concrete structure. Plans are being completed by H. A. Adams, public service director.

SHASTA COUNTY, Cal.—Rolla Arbuckle, Anderson, Calif., at \$712 awarded contract by State Highway Commission to construct a structural steel and timber sidewalk on a bridge across Castle Creek near Castella, ap-

proximately 120 ft. long and 5 ft. wide, with timber bulkheads, and widened approaches.

SAN JOSE, Santa Clara Co., Cal.—City Engineer Wm. Fopp completes plans and specifications for reinforced bridge in San Augustine street over Guadalupe Creek, involving:

- (1) 695 cu. yds. concrete (not including hand rail);
- (2) 258 lin. ft. hand rail;
- (3) 42.47 tons steel;
- (4) 800 cu. yds. excavation;
- (5) 87 piles (150 yards concrete);
- (6) 24,200 sq. ft. forms.

Plans for this structure have received the approval of the City Planning Commission and a call for bids for construction will be issued shortly.

SAN JOSE, Santa Clara Co., Calif.—John J. Vernova, Los Gatos, at \$4,351 awarded contract by the county supervisors to construct two reinforced concrete culverts on the Junipero Serra Blvd. over Matadero and Barton Creeks in Supervisorial District No. 5. Following is a complete list of bids:

John J. Vernova, Los Gatos.....	\$4,351
J. W. Williams, San Jose.....	4,460
Thermotite Const. Co., San Jose.....	4,797
Ferrolli & Betrem, San Jose.....	4,342
C. Williamson, San Jose.....	4,943
Collins & Martin, San Jose.....	4,971
Nelson Bros., San Jose.....	5,000
O. G. Ritchie, San Jose.....	5,240
C. C. & H. H. Haun, S. F.....	6,187
Oberg Bros., San Jose.....	6,600

SANTA ANA, Orange Co., Calif.—County Superintendent of Highways, Nat H. Neff, has announced that bridge construction estimated to cost \$126,461 is planned during the next fiscal year. The jobs listed are: Improvement of the 5th St. bridge across the Santa Ana river, at a cost of \$8,000; building of the La Palma Avenue bridge across Coyote creek northwest of Cypress, in conjunction with Los Angeles county, for which Orange county's share would be \$3000; repairing and improving the viaduct over the Pacific Electric tracks at Glinda, \$7000, completing the bridge over the Santiago creek at Modjeska's home, \$14,000; participation in the cost of the bridge over Alamitos Bay at Seal Beach, for which Orange County's share is \$25,000; a wider bridge over the Santa Ana river on W 17th St. to conform with the wider street which will be built there, \$45,500, and raising the bridge on Talbert Road bet. Santa Ana and Talbert, \$16,500. This bridge must be raised because the river bed at this point is rising.

SAN FRANCISCO.—Until Sept. 16, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to construct Lincoln Way Viaduct in connection with the Sunset Boulevard; estimated cost, \$80,000. Project involves:

- (1) 22,000 cu. yds. excavation;
- (2) 45 cu. yds. class A 3,000 lb. concrete in hand rail;
- (3) 2,550 cu. yds. class B 2,500 lb. concrete in viaduct piers, abutments, walls, etc.;
- (4) 185 cu. yds. class F concrete in street area and in abandoned sewer;
- (5) 472,000 lbs. bar reinforcing steel;

- (6) 16,500 sq. ft. asph. concrete pavement of a 1½-in. asph. concrete wearing surface and a 1½-inch binder;
 - (7) 5,000 lbs. bronze bearing plate in place;
 - (8) electric work (including electroliers), lump sum.
- Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineering, Department of Public Works, 3rd floor, City Hall, on deposit of \$10, returnable.

PLUMAS COUNTY, Cal.—Rocca and Caletti, San Rafael, at \$92,780 awarded contract by State Highway Commission to construct a structural steel bridge across Spanish Creek about 5 miles north of Keddie, consisting of two 70 ft. plate girder spans, two 50 ft. beam spans, three 30 ft. tower spans and two 142 ft. truss spans on steel towers and bents with concrete piers and abutments. Complete list of unit and total bids received on this project published in issue of March 12.

DREDGING, HARBOR WORKS & EXCAVATIONS

SANTA BARBARA, Cal.—City Engineer E. B. Brown has filed with city council a plan for diverting Mission Creek through Arroyo Burro to the Ocean to eliminate the flood menace to the congested area of the city by reason of the tortuous course of Mission Creek through the city. The proposed plan involves the construction of diversion works where Arroyo Burro enters San Roque Creek near Veronica Springs, with open channels and tunnels through the Samarkand Hills. The city engineer estimates the cost of such diversion, channel and tunnel work to be between \$583,000 and \$760,000. He states that if such a plan is not acted upon the construction of bridges and repairs to existing structures will cost \$153,000, with other benefits increasing the savings to \$260,000.

MONTEREY, Monterey Co., Calif.—Award of contract recommended by U. S. Engineer Office, San Francisco, to Guy F. Atkinson, Russ Building, San Francisco, at \$1.92 ton for furnishing stone and constructing breakwater in Monterey Bay, involving approximately 200,000 tons of stone. Complete list of unit bids on this project published in issue of August 7.

SAN JOSE, Santa Clara Co., Cal.—Until August 31, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to construct timber pile revetment or jetty on the east bank of Coyote Creek just south of Keyes St. in Supervisorial District No. 2. Certified check 10% payable to county clerk required with bid. Specifications obtainable from Robt. Chandler, county surveyor, on payment of \$1.

MONTEREY, Monterey Co., Cal.—Due to the fact that the "prevailing wage scale," to be paid on public works construction as provided for in recent legislation, was not definitely determined, the city council returned bids unopened last Tuesday night for the El Estero dredging project, involving 80,000 cu. yds. New bids are to be asked at once, it is announced by Clyde A. Dorsey, city clerk.

STREET LIGHTING SYSTEMS

OAKLAND, Cal.—City council declares intention to install ornamental street lighting system in E 14th Street between 22nd Ave. and High St., involving 136 duplex standards with underground system. Estimated cost, \$46,390. 1911 Act. Hearing Sept. 3. W. W. Chappell, city clerk. Walter N. Frickstad, city engineer.

GLENDALE, Los Angeles Co., Cal.—City declares intention to install ornamental street lighting system in Wing St. bet. Colorado St. and Windsor Road, and in portions of Maple St. and Windsor Road, involving single light concrete standards; 1911 Act. Protests, Aug. 27. G. E. Chapman, city clerk. J. C. Albers, city engineer.

SAN JOSE, Santa Clara Co., Cal.—City council declares intention (\$430) to install ornamental street lighting system in First St. from San Salvador St. to Willow St., involving 66 (San Jose Design) standards, Duplex type, together with underground system. 1911 Act. Hearing August 31. John J. Lynch, city clerk. Wm. Popp, city engineer.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—City council declares intention (73) to install ornamental street lighting with underground system in portions of Grand Avenue bet. Division St. and Spruce Avenue, and Spruce Ave. bet. Grand Ave. and a point 25-ft. north of Grand Ave., involving 46 Duplex cast iron electroliers of the Westinghouse Special California type. 1911 Act. Bond Act 1915. Hearing Sept. 8. Daniel McSweeney, city clerk.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—City council declares intention (74) to install ornamental street lighting with underground system in Grand Avenue between Spruce Ave. and Mission Road, and portions of Spruce Ave. and Oak Ave., involving 53 Duplex cast iron electroliers of the Westinghouse Special California type. 1911 Act. Bond Act 1915. Hearing Sept. 8. Daniel McSweeney, city clerk.

MODESTO, Stanislaus Co., Cal.—Property owners petition city council to start proceedings to install ornamental electrolier system in I St., between Twelfth and Seventeenth Sts. and in Twelfth St., between I and J streets. Frank J. Rossi, city engineer.

GLENDALE, Los Angeles Co., Cal.—The estimated cost of proposed combination lighting and trolley standards on Brand Blvd., bet. Arden Blvd. and the Southern Pacific Ry. tracks, is \$146,537.51, or \$16,686 less than the tentative figure prepared for the Citizens Advisory Committee some months ago. The system will involve 508 lighting units which the General Elec. Co. has agreed to provide at \$41.60 each or a total of \$21,132. The standards are to be of steel type, fluted. The new proceedings have been started under the Vrooman Act. The resolution of intention was adopted Aug. 13.

MACHINERY AND EQUIPMENT

BERKELEY, Alameda Co., Cal.—Baldwin Corp., Philadelphia, Pa., at \$50,000 awarded contract by the Regents of the University of California to furnish and install a 4,000,000-lb. building material testing machine for the College of Engineering on the University Campus at Berkeley.

CALIPATRIA, Imperial Co., Calif.—Until 5 P. M., Aug. 28, bids will be received by the North End School District for the purchase of a one-ton automobile truck chassis and a bus body having a capacity of 36 pupils. Certified or cashier's check or bond for 10% required. Claude McNeely, clerk.

PALO ALTO, Santa Clara Co., Cal.—Until August 31, 7:30 P. M., bids will be received by A. C. Barker, Secretary, Board of Education (Palo Alto Union High School District) to furnish school bus; capacity, 35 passengers. Specifications and further information obtainable from secretary.

PHOENIX, Arizona.—Until 2 P. M., Aug. 26, bids will be received by Maricopa county supervisors for furnishing grader blades to the County Highway department, as follows:

- 24 3/4-in. x 8-ft. Adams punching beveled blades.
- 24 1/2-in. x 12-ft. 2 6-ft. sections—Adams punching, beveled blades.
- 24 3/4-in. x 5-ft. Gallon punching, beveled blades.
- 24 1/2-in. x 16-ft. 2 8-ft. sections—Austin - Western punching, blunt blades.
- 300 1/2-in. x 12-ft. 2 6-ft. sections—Gallon punching, blunt blades.

F.O.B. Phoenix, to meet the following specifications:

Blades must be ground and polished and blued to prevent rust; must have the necessary bolts, nuts and bolt holes so countersunk as to receive bolt heads and must be curved to fit the contour of the moldboard. Size, width and thickness of blades and drill hole punchings to be as above specified. Blades must be made from refined plow steel, heat treated, tempered and hardened to meet a Brinell Test of from 225 to 300 and must be guaranteed to have the following carbon and manganese content: Carbon, 0.85 to 1.00; Manganese, 0.60 to 0.85.

Before payment is made, samples will be submitted to Arizona State Highway Laboratory for Brinell and other tests required and all blades must conform to above specifications. J. E. DeSouza, clerk of the Board.

FIRE EQUIPMENT

SAN MATEO, San Mateo Co., Cal.—City council rejects bids to furnish motor fire engine and new bids will be asked at once by E. W. Foster, city clerk, to furnish and deliver engine with both rotary and centrifugal pump equipment.

RESERVOIRS AND DAMS

CLE ELUM, Wash.—Winston Bros. Co., Minneapolis, Minn., at \$1,311,533.50 awarded contract by U. S. Bureau of Reclamation to construct Cle Elum Dam and clearing the reservoir site. Yakima Project, located about 3 miles northwest of Cle Elum on the Northern Pacific and Chicago, Milwaukee & St. Paul railways. Project involves: 134,000 cu. yds. of stripping; 22,600 cu. yds. of tunnel and shaft excavation; 1,552,000 cu. yds. of excavation in open cut; 35,000 cu. yds. of backfill; 1,220,000 cu. yds. of earth and gravel embankment; 44,000 cu. yds. of riprap or paving; 11,200 cu. yds. of concrete in tunnel and shaft lining; 20,800 cu. yds. of concrete other than tunnel and shaft lining; 20,000 cu. ft. of pressure grouting; placing 3,390,000 lbs. of reinf. bars; placing 3800 lin. ft. 6-in. to 30-in. drainpipe; driving 12,860 lin. ft. piling; installing 575,000 lbs. of metal work; 2700 acres of clearing.

PIPE LINES, WELLS, ETC.

SAN FRANCISCO, Calif.—August 28, 11:30 A. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to construct the Lower Cherry Aqueduct in connection with the Hetch Hetchy Water Supply project, involving:

- (1) 1,000 lin. ft. steel pipe, 75-in. dia., furnish and lay.
- (2) 1,250 lin. ft. steel pipe, 60-in. do.
- (3) 2,000 lin. ft. steel pipe, 26-in. do.
- (4) 12,000 lbs. steel angle stiffener rings, furnish and attach.

Time per competition 10 days. Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from Bureau of Engineering, Board of Public Works, 3rd floor, City Hall.

SEWERS AND SEWAGE DISPOSAL PLANTS

SAN RAFAEL, Marin Co., Cal.—Until August 28, 11 A. M., bids will be received by Rob E. Graham, county clerk, to construct sewers for the Homestead Valley Sewer District, involving:

- (1) 3 manholes;
- (2) 2 lampholes;
- (3) 33 lin. ft. 8-in. vit. clay pipe sewer.

(4) 1,455 lin. ft. 12-in. vit. clay pipe sewer.

Certified check 10% payable to the County of Marin required with bid. Plans obtainable from J. C. Oglesby, engineer, Freitas Bldg., San Rafael.

SAN RAFAEL, Marin Co., Cal.—Until August 28, 11 A. M., bids will be received by Rob E. Graham, county clerk, to construct sewers in Homestead Valley Improvement District No. 1, including Evergreen Ave., etc., involving:

- (1) 54 manholes;
- (2) 64 lampholes;
- (3) 11,103 ft. 6-in. vit. clay pipe sewer;
- (4) 4,156 ft. 8-in. vit. pipe sewer;
- (5) 3,683 ft. 10-in. do;
- (6) 1,031 ft. 12-in. do;
- (7) 746 ft. 6-in. c. i. pipe;
- (8) 30.5 lin. ft. 8-in. c. i. pipe;
- (9) 52 cu. yds. concrete;
- (10) 286 lin. ft. concrete piling.

Certified check 10% payable to the County of Marin required with bid. Plans obtainable from J. C. Oglesby, engineer, Freitas Bldg., San Rafael.

SAN FRANCISCO—Chas. Harner, Call Bldg., at \$1,364 awarded contract by Board of Public Works to sewer Alameda Street bet. Bryant St. and Treat Ave. Project involves: 440 lin. ft. 15-in. V.C.P. sewer, \$2.50; 6 15x8-in. Y or T branches, \$1.50; 3 brick manholes, \$85.

OAKLAND, Calif.—Until August 24, 8:30 P. M., bids will be received by W. W. Chappell, city clerk, to construct sewer in Moraga Ave. and in County Road No. 1109 (Moraga Road), from Estates Drive to manhole in place at east termination of existing 6-in. sewer in the county road east of Pala Ave., involving:

- (1) 4069 lin. ft. 8-in. pipe sewer;
- (2) 12 manholes;
- (3) 2 8-in. lampholes;
- (4) 8 12-in. lampholes;
- (5) 24 Y branches.

Certified check 10% payable to city required with bid. Plans on file in office of clerk. Walter N. Frickstad, city engineer.

SAN MATEO, San Mateo Co., Cal.—City council approves plans for sewers in 28th, 29th and 30th Avenues and cross streets in the Lengfeld & Olund Subdivision. The work will be financed by the owners of the subdivision. Con-

SAN FRANCISCO.—Until Aug. 31, 3 P. M., bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and deliver cast iron pipe fittings as same may be

ordered from time to time by the San Francisco Water Department during the fiscal year 1931-32. Contract will involve approximately 200,000 pounds. Specifications obtainable from the city purchasing agent.

MILL VALLEY, Calif.—Marin Co., Calif.—Town trustees propose to enter into a contract with the Marin Municipal Water District for the construction of five miles of new water mains, to connect with existing mains, to serve a new system of fire hydrants. Under the agreement the town is to finance the joining of the new mains with the old and for the materials and labor used in construction. After construction, the property is to be turned over to the district. The work is estimated to cost \$63,000.

OAKLAND, Cal.—United States Pipe and Foundry Co., Montebello Bldg., San Francisco, at \$27,444 awarded contract by East Bay Municipal Utility District to furnish 12,000 lin. ft. of 16-in. c. i. water pipe and for 50,000 feet of same size pipe at \$24.375.

Complete list of unit bids received on this material published in issue of July 10.

OAKLAND, Calif.—Berkeley Steel Construction Co., 2nd and Camella Sts., Berkeley, at \$3398 awarded contract by East Bay Municipal Utility District to furnish and erect 220,000 gallon steel water storage tank for Castro Valley Pumping Plant. Complete list of bids published in issue of July 20.

LOS ANGELES, Cal.—Western Pipe & Steel Co., 5117 Santa Fe ave., awarded contract by the city purchasing agent, Thomas Oughton, at \$13,350, for furnishing 2000 joints of 8-gauge, double stove pipe well casing under Specification No. 2571 for water and power department.

SAN BERNARDINO, Cal.—Utilities Equipment Corp by R. D. Wood and Co., Los Angeles, submitted low bid to city water commission August 14 at \$3.49 ft. for furnishing 2500 ft. of 20-in. class 250, bell and spigot, cast iron water pipe, in 16-ft. lengths. The American Cast Iron Pipe Co. submitted the only other bid at a price of \$3.58 ft.

SACRAMENTO, Cal.—Western Foundation Co., 308 West Washington Senator, Sacramento, Pacific Coast representative, at \$675 per lin. ft. awarded contract by city commissioners to furnish and drive 1370 piles (approximately 93,500 lin. ft. in all) in connection with the new pre-treatment works of the Municipal Filtration Plant. Low bid was submitted by the Raymond Concrete Pile Co., Hunter-Dulin Bldg., San Francisco, at \$65 lin. ft. but, in a legal opinion secured by the council, the bid was declared not in conformity to city provisions for competitive bidding. Complete list of bids published in issue of August 8.

ONTARIO, San Bernardino Co., Cal.—Smith Booth Usher Co., 1910 Santa Fe Ave., city council, for furnishing Fe Ave., Los Angeles, awarded contract by city council for furnishing (1) 16,100 ft. 4-in. black wrought steel pipe with line pipe couplings, T&C, lap-welded, at \$39 per C ft.; (2) 2800 ft. 2-in. standard black pipe, T&C, butt-welded, at \$14.95 per C ft.

SACRAMENTO, Cal.—Dixon Bauxite Co., Sweet Home, Arkansas, at \$15.50 per ton awarded contract by City Council to furnish 200 tons of Bauxite for Filtration Division.

BEVERLY HILLS, Los Angeles Co., Cal.—Until 8 P. M., Sept. 15, bids will

be received by city council to furnish and deliver one large water meter in accordance with specifications obtainable from engineering architect, Edgar Ross, Bradstreet & Taylor, Petroleum Securities Bldg., Los Angeles. Certified check on hand, 10%; B. J. Firminger, city clerk.

BEVERLY HILLS, Los Angeles Co., Cal.—Until 8 P. M., Sept. 15, bids will be received by city council for recarbonizing the equipment at the water plant in accordance with specifications obtainable from consulting engineers, Salsbury, Bradshaw & Taylor, Petroleum Securities Bldg., Los Angeles. B. J. Firminger, city clerk. Certified check on hand, 10%.

PLAYGROUNDS & PARKS

HILLSBOROUGH, San Mateo Co., Cal.—Town trustees at their last meeting appropriated \$1,500 to finance landscape work in connection with town hall grounds.

SACRAMENTO, Cal.—Financing of the new municipal 18-hole golf course at Del Paso park was completed when directors of the Sacramento Police Department Widows and Orphans' society officially informed Jas. S. Dean, city manager, and members of the golf commission that the society would float a loan of \$25,000 on the project. The amount will finance the proposed clubhouse. Amounts previously arranged to include \$40,000 from the American Golf Course Construction Company for building the course, and \$35,000 from a national plumbing supply organization for the installation of a watering system. Green fees over a 5-year period will be used to retire the loans.

REDWOOD CITY, San Mateo Co., Cal.—City council plans to defer proposed \$65,000 bond election, originally planned in September, until the regular municipal election in April of next year.

STREETS AND HIGHWAYS

COCONINO COUNTY, Ariz.—Until September 1, 10 A. M., bids will be received by C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, Office of Park Superintendent, Grand Canyon, Ariz., to place a seal coat on existing old treated crushed rock surfacing on Sections A3, E, C, D, F and G of Route No. 1, Grand Canyon-Desert View, in Grand Canyon National Park, 18,993 miles in length, involving:

- (1) 230 tons applying asphaltic oil;
- (2) 1600 cu. yds. screenings for seal coat. Specifications obtainable from engineer.

MOUNTAIN VIEW, Santa Clara Co., Calif.—City trustees declare intention (2) to improve Moffett Blvd. in Acq. and Imp. District No. 2, involving:

- (1) 3,000 cu. yds. grading, excavation
- (2) 52,300 sq. yds. grading, surface;
- (3) 1,470 lin. ft. concrete curb and gutter;
- (4) 52,300 sq. ft. rolled rock base;
- (5) 46,400 sq. ft. asphalt. conc. pave.;
- (6) 500 lin. ft. 8-in. cast iron water main;
- (7) 70 lin. ft. 6-in. do;
- (8) 2 8-inch valves;
- (9) 2 6-inch valves;
- (10) 1,200 lbs. cast iron fittings;
- (11) 500 lin. ft. ¾-in. copper service pipe;
- (12) 2 catchbasins;
- (13) 30 lin. ft. 12 in. cast iron pipe culvert;
- (14) 10 electrolitters, complete;
- (15) 1,600 lin. ft. 1-in. conduit;

and 1,700 lin. ft. 6-in. cast iron pipe. The project was approved by the county of Santa Clara Board of Supervisors under Act and Imp. Act. H. H. Hing Sep. 2, B. L. Hays, city clerk, C. C. Kennedy, Cal. Bldg., San Francisco, engineer.

BERKELEY, Alameda Co., Cal.—Until August 31, 1 P. M., bids will be received by Clara F. Andrews, Secretary, Board of Education, 1340 Shattuck St., for grading and paving a portion of the upper portion of a 4-in. sidewalk, across along the corner of Hopkins Street at the Garfield School grounds, located in the block bounded by Rose, Grant, Josephine and Hopkins Streets. Certified check 10% payable to Berkeley School District of Alameda County required with bid. Plans obtainable from secretary on deposit of \$5, returnable. On previous call for bids lowest bid was submitted by H. A. Christie, Berkeley at \$2601.

REDONDO BEACH, Los Angeles Co., Cal.—Until 1:30 P. M., Sept. 3rd, bids will be received by city council to improve Elena Ave., between Diamond and Opal Sts., involving:

- (1) 4000 cu. yds. excav. uncl., removed curb, pavement, etc.;
- (2) 50,000 cu. yds. excavation;
- (3) 376,020 sq. ft. 6-in. asphalt. concrete pavement;
- (4) 950 tons asphalt. concrete resurfacing;
- (5) 8530 ft. combined curb and gutter
- (6) 260 ft. 6-in. 30½-in. curb;
- (7) 6760 sq. ft. corr. gutter;
- (8) 22,250 sq. ft. concrete sidewalk;
- (9) 482 lin. ft. part circle culvert;
- (10) 326 lin. ft. 8-in. corr. metal pipe drain;
- (11) 48 lin. ft. 21-in. corr. metal pipe drain;
- (12) 80 cu. yds. class A reinf. concr. retaining wall;
- (13) 18 cu. yds. class A reinf. concrete struct.;
- (14) 198 lin. ft. 1½-in. gal. pipe hand rail;
- (15) 5 existing light standards to be relocated.

1911 Act. Plans obtainable from city engineer, D. L. Bundy.

SAN JOSE, Santa Clara Co., Cal.—Until August 31, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to improve Gordon Avenue and Greenside Ave. in Supervisor District No. 2. Certified check 10% payable to county clerk required with bid. Plans obtainable from Robt Chandler, county surveyor, on payment of \$1.

SAN JOSE, Santa Clara Co., Cal.—Until August 31, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to improve First, Alice and Third Streets in Campbell, Supervisor District No. 4. Certified check 10% payable to county clerk required with bid. Plans obtainable from County Surveyor Robert Chandler on payment of \$1.

MARTINEZ, Contra Costa Co., Cal.—County supervisors reject bids to resurface two miles of highway in the Moraga Valley and the work will be done by county forces, under the supervision of R. R. Arnold, county surveyor. Bids were: Hutchinson Co., Oakland, \$8,243; Lee J. Immel, Berkeley, \$8,555; L. L. Page, Richmond, \$10,958.

PACIFIC GROVE, Monterey Co., Cal.—City council declares intention (3357) to improve portions of Dennett St., Oak St., Municipal Ave., 17-Mile Drive and Sinex Ave., involving grading; asphalt. conc. pave.; storm drains, lateral sewers, etc. 1911 Act. Bond Act. 1915, Haring, September 17. Elgin C. Hurlbert, city clerk.

SACRAMENTO, Cal.—County Engineer Chase is preparing estimates and plans to reconstruct and resurface portions of the Sacramento-Jackson Highway for which \$12,000 is available from the 1931-32 budget.

SHASTA COUNTY, Cal.—Hornstree and Bell, Marysville, at \$51,465 awarded contract by State Highway Commission to grade and surface with untreated crushed gravel or stone and surfacing material stockpiled on 9.3 miles between Tully Hill and Montgomery Creek. Complete list of unit and total bids received on this project published in issue of March 12.

SAN FRANCISCO—Bureau of Engineering, Department of Public Works, 3rd floor, City Hall, preparing plans to improve Alemany Blvd., Section C, from Admiral St. to the Mission Viaduct involving permanent paving, drainage facilities and appurtenances.

SAN FRANCISCO—Until August 24, 12 noon, bids will be received by B. P. Lamb, Secretary, Board of Park Commissioners, Park Lodge, Golden Gate Park, for an asphaltic covered flooring at the Palace of Fine Arts. Certified check 10% payable to Board of Park Commissioners required with bid. Bond of 50% of contract price required of the successful bidder. Specifications obtainable from the secretary of the park commission.

OAKLAND, Cal.—County supervisors contemplate appropriation to finance reconstruction and repaving of a one-mile stretch of road between Alvarado and the Alameda County plant of the Leslie Salt Co. Geo. A. Posey, county surveyor.

MILL VALLEY, Marin Co., Calif.—Engineers Hussey and Belcher, Syndicate Bldg., Oakland, complete plans to improve Thalin St., Euterpe St., Sidney and Manor Terrace. Estimated cost \$16,800. Project involves:

- (1) 3740 cu. yds. excavation;
- (2) 2150 lin. ft. hyd. conc. curb, 6x12"
- (3) 295 lin. ft. do; 6x9"
- (4) 52,950 sq. ft. hyd. conc. curb pave. 7x5x7";
- (5) 1182 lin. ft. 6" vit. pipe sewer;
- (6) 239 lin. ft. 4" do;
- (7) 58 lin. ft. 12" storm sewer;
- (8) 3 manholes;
- (9) 7 lampholes;
- (10) 2 cond. inlets;
- (11) 47 cu. yds. hyd. conc. retaining wall;
- (12) 1250 lbs. steel bar reinforcement;
- (13) 170 lin. ft. woven wire guard fence.

BERKELEY, Alameda Co., Cal.—City Council has authorized city manager to enter into a contract with the Alameda County Supervisors whereby \$32,200 would be set aside for the city to use in the event of the repaving of Spruce street. The \$32,200 amount to approximate 20% of the cost of the work.

PACIFIC GROVE, Monterey Co., Cal.—City Council declares intention (3393) to improve 5th and 6th Sts., bet. Lighthouse and Laurel Aves., and bet. Laurel and Pine Aves., involving grading; cement concrete curbs, gutters; oil macadam pavement; storm drains; sewer laterals. 1911 Act. Bond Act 1915. Hearing September 17. Elgin C. Hurlbert, city clerk.

SAN FRANCISCO—Until Sept. 16, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works to improve Alemany Blvd. Section B. Est. cost, \$25,000. Quantities of materials involved will be published shortly.

Certified check 10% payable to Clerk

of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineering, Department of Public Works, 3rd floor, City Hall, on deposit of \$10, returnable.

CLARK COUNTY, Nev.—Until Sept. 2, 2 P. M., bids will be received by State Highway Commission, Carson City, for furnishing asphaltic fuel oil, applying and mixing it with a crushed rock or crushed gravel surface on a portion of the state highway system of Nevada, in Clark County, from ten miles southeast of Las Vegas to Boulder City, Routes 5 and 26, Sections D3 and A, a length of 11.01 miles, involving:

- (1) 284,094 gals. asphaltic fuel oil applied to roadway surface;
- (2) 11.01 miles mixing asphaltic fuel oil with crushed rock or crushed gravel surface;
- (3) 11.01 miles rebuilding and finishing shoulders.

Note—The oil shall be delivered at the following railway sidings and in the quantities shown:

Royson Siding, 72,913 gallons.
Boulder City, 211,181 gallons.
Average haul on entire contract, 4.63 miles.

Plans by obtained from the State Highway Engineer, S. C. Durkee. Certified check 5%.

PACIFIC GROVE, Monterey Co., Cal.—City council declares intention (3384) to improve Pine Ave., bet. Earley Ave. and 19th St., and Laurel Ave., met. Earley Ave. and 6th St., and First St., bet. Lighthouse and Pine Aves., involving grading; cement concrete curbs; asphalt conc. pave.; storm drains, lateral sewers, etc. 1911 Act. Bond Act 1915. Hearing September 17. Elgin C. Hurlbert, city clerk.

PACIFIC GROVE, Monterey Co., Cal.—City Council declares intention (3390) to improve Earley Ave., bet. Lighthouse Ave. and Junipero Ave., involving grading; cem. conc. curbs and gutters; oil macadam pavement; storm drains, lateral sewers, etc. 1911 Act. Bond Act 1915. Hearing September 17. Elgin C. Hurlbert, city clerk.

SAN JOSE, Santa Clara Co., Cal.—City council declares intention (5435) to improve Willow St. bet. Guadalupe River Bridge and west city limits at Bird Ave. and portions of Bird Ave., Warren Ave., Shepherd, Delmas and Spencer Aves., and Prevost Street at Willow St., involving grading; 2-inch asphalt conc. surface pavement on 3½-in. asphalt conc. base; conc. curbs and gutters. County will pay \$2,500 of the total cost from Special Road Improvement Fund, 1911 Act. Hearing Aug. 31. John J. Lynch, city clerk. Wm. Popp, city engineer.

OAKLAND, Cal.—Until August 26, 8 P. M., bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, 512 16th St., to furnish 100,000 gallons of emulsified asphalt for calendar year ending Sept. 1, 1932. Spec. obtainable from above office.

MOUNTAIN VIEW, Santa Clara Co., Calif.—C. C. Kennedy, engineer, Call Bldg., San Francisco, instructed by city trustees to prepare plans for proposed Moffett Blvd. from Mountain View to the Sunnyvale Dirigible Base. The project will cost \$43,000, of which the city will pay \$25,000 and the county of Santa Clara \$18,000. The roadway as tentatively planned will extend from Castro St. through the city limits connecting with the air base in a sweeping curve.

REDDING, Shasta Co., Calif.—Until August 23, bids will be received by the county supervisors for clearing Shingletown "hotel" highway and to repair the Sacramento river bridge at Kennett. Specifications provide for clearing a 30-ft. right of way on the Viola-Shingletown route in three units totaling nine miles. The project is to be undertaken in three sections. County budget for 1931-32 provides a \$16,600 appropriation for this work. The bridge repairs will involve center span reconstruction. Specifications obtainable from the county clerk at Redding.

SANTA BARBARA COUNTY, Cal.—Santa Maria Construction Co., Santa Maria, at \$4200 awarded contract by State Highway Commission to oil existing shoulders between Zaca and Wigmore.

SAN FRANCISCO—C. B. Eaton, 715 Ocean Ave., at \$1,229 awarded contract by Board of Public Works to improve San Luis St., bet. Natic and San Diego Aves., involving: 160 lin. ft. armored concrete curb, \$110; 45 lin. ft. 6-in. V.C.P. sewer, \$45; 2045 sq. ft. asphalt concrete pavement, 2-in. asphalt conc. surface on 6-in. class F concrete base, \$41.

SAN FRANCISCO—E. J. Tracey, Call Bldg., at \$2,253 awarded contract by Board of Public Works to improve Thirt St. bet. Fulton and Oranaba Aves. (where not), involving: 268 lin. ft. armored curb, \$130; 100 lin. ft. 6-in. V.C.P. side sewer, \$100; 1800 sq. ft. asphalt concrete pavement, 2-inch asphalt conc. surface on 6-in. class F concrete base, \$45; 2212 sq. ft. 6-in. class E concrete pavement, \$45.

SAN FRANCISCO—F. J. McHugh, 474 17th Ave., at \$923 awarded contract by Board of Public Works to improve 35th Ave., bet. Judah and Kirkham Sts. (where not), involving: 75 lin. ft. armored concrete curb, \$175; 600 lin. ft. 6-in. V.C.P. side sewer, \$95; 1500 sq. ft. asphalt concrete pavement, 2-in. asphalt conc. surface on 6-in. class F concrete base, \$49.

SAN FRANCISCO—Meyer Rosenberg, 1755 San Bruno Ave., at \$4,562 awarded contract by Board of Public Works to improve De Haro St. bet. Division and Alameda Sts. including crossing at Berry Street, involving: 630 lin. ft. armored concrete curb, \$75; 150 lin. ft. 6-in. V.C.P. side sewers, \$1; 2 brick catchbasins, \$100; 50 lin. ft. 10-in. V.C.P. culvert, \$150; 17,450 sq. ft. asphalt concrete pavement, 2-in. asphalt conc. surface on 6-in. class F concrete base, \$21.

AMADOR COUNTY, Calif.—E. F. Hilliard, 1355 43rd St., Sacramento, at \$137,500 awarded contract by State Highway Commission for treating with fuel oil 4.3 miles between Amador City and Martell.

AMADOR COUNTY, Cal.—Adams Construction Co., Angels Camp, Calif., at \$8100 (\$1.35) awarded contract by State Highway Commission for producing and stockpiling crushed gravel or stone between Amador City and Martell Road, involving 6000 cu. yds.

TULARE COUNTY, Cal.—Union Paving Co., Call Bldg., San Francisco, at \$274,233 awarded contract by State Highway Commission to grade and pave with cement concrete 7.6 miles between Tipton Crossing and Tulare. Complete list of unit and total bids received on this project published in issue of August 13.

ALAMEDA COUNTY, Cal.—Standard Road Planning Co., 1010 Board of Trade Bldg., Los Angeles, at \$4400.22 awarded contract by State Highway

Commission to improve 3.4 miles between the easterly boundary and Greenville, involving existing asphaltic concrete surface to be planned.

SAN LUIS OBISPO COUNTY, Cal.—Henry C. Dulson, San Luis Obispo, at \$4825.50 awarded contract by State Highway Commission for grading and surfacing with bituminous macadam, 0.6 miles between Hathaway Ave. and the California Polytechnic School.

MONTREY COUNTY, Cal.—W. A. Dontanville, Salinas, at \$161.45 awarded contract by State Highway Commission to grade and surface with crusher run base and a bituminous surface treatment applied, a connection from the State Highway to the county road at the Spence Underpass.

SAN FRANCISCO—Board of Public Works has withdrawn call for bids to improve Rankin street, between Oakdale and Palou Ave., and between Quesada and Bevere Aves. The bids were scheduled to be opened August 26. Municipal Construction Co., previous low bidder on this project at \$3076.50.

RENO, Nevada—Nevada Rock & Sand Co., Reno, awarded contract by Washoe county commissioners to improve various streets involving 96,800 gals. of fuel oil at 5.8 cents per gal. and 7800 yds. of cut-back asphalt paving at \$1.70 yd.

SANTA CLARA, Santa Clara Co., Cal.—City council declares intention (25-D) to improve portions of San Francisco Road, Clay St., Grant St., and Lincoln St., involving grading; pave with steel reinforced cement concrete laid on a layer of quarry waste; cement concrete curbs, drop curbs, sidewalks and driveways; vit. clay pipe sanitary sewers and wye branches; vit. clay pipe sewer laterals; brick manholes. 1911 Act. Bond Act 1925. Hearing August 26. A. J. Cronin, city clerk. Geo. Sullivan, city engineer.

SANTA CLARA, Santa Clara Co., Cal.—City council declares intention (27-D) to improve Franklin St., bet. Lincoln and Grant Sts., involving removal of existing surface and shattered concrete in foundation and repave with asphalt concrete leveling course. 1911 Act. Bond Act 1915. Hearing August 26. A. J. Cronin, city clerk. Geo. Sullivan, city engineer.

EUREKA, Humboldt Co., Cal.—Bids will be asked at once by Fred M. Kay, County Clerk, to furnish and deliver 1500 cubic yards of rock. Frank Kelley, county surveyor.

SAN FRANCISCO—Bureau of Engineering, Department of Public Works, completes specifications to improve Anza St. bet. 29th and 30th Avenues. Estimated cost \$350. Project involves 2,880 sq. ft. of 1-course concrete sidewalks.

BAKERSFIELD, Kern Co., Calif.—County supervisors declare intention (A.I.A. No. 2) to open new street bet. Pierce Road in the county and M St. In the city of Bakersfield and bet. 26th St. and Union Ave. in Bakersfield. County will pay \$117,000 of total cost. Hearing Aug. 31. F. E. Smith, county clerk.

MOUNTAIN VIEW, Santa Clara Co., Calif.—City trustees declare intention (2) to improve Moffett Blvd. in Acq. and Imp. Dist. No. 2, involving grading; pave with asphalt concrete on rolled rock base; cement concrete curbs and gutters; conc. catchbasins with corr. iron pipe outlets; c. 1. water mains with hydrant branches and cop-

per service laterals. Install street lighting system, with underground wiring. Work under Acq. and Imp. Act 1925. Hearing Sept. 2. B. L. Haas, city clerk. C. C. Kennedy, Cal. Bldg., San Francisco, engineer.

SALINAS, Monterey Co., Calif.—As previously reported, bids will be received August 19, 10 A. M., by C. F. Joy, County Clerk, to furnish and haul material to improve the Blanco and Brees roads in Supervisor District No. 2. Project involves:

- (1) 10,000 tons base rock, furnish, haul and dump in spreader boxes on subgrade;
- (2) 644 bbls. 90-95 oil, haul and spread
- (3) 1070 tons $\frac{3}{4}$ -in. rock, furnish, unload and haul and dump on roadway.

Specifications obtainable from Howard Cozens, county surveyor.

SUNNYVALE, Santa Clara Co., Cal.—Until August 26, 8 P. M., bids will be received by Ida Trubschenck, city clerk, (235) to improve portions of America, Taylor, Lastreto, Lawrence, Roosevelt, Morse, California Avenues and others, involving grading, cement, concrete curbs, sidewalks and driveways. Imp. Act 1911. Bond Act 1915. Certified check 10% payable to Mayor of city required with bid. Plans on file in office of clerk.

CARMEL, Monterey Co., Cal.—W. A. Dontanville, Salinas, at \$11,120.15 awarded contract by city council (502) to improve Mission St., bet. Ocean and Eighth Aves., involving grading, monolithic hyd. cement conc. curbs and gutters, waterbound macadam pavement consisting of local quarry material, hyd. cement concrete catchbasins, corr.; iron pipe culverts, hyd. cement concrete storm sewer pipe, 24-inch and 30-inch dia.

EUREKA, Humboldt Co., Cal.—Until August 31, 10 A. M., bids will be received by Fred M. Kay, county clerk, to furnish 1500, or more, cubic yards of crushed rock on the Kneeland road in Road District No. 4. Certified check 5% required with bid. Specifications obtainable from Frank Kelley, county surveyor.

PALO ALTO, Santa Clara Co., Cal.—City council declares intention (195) to construct vit. san. sewers; cement concrete gutters, driveways, curbs, walks, catchbasins and concrete storm sewer pipe and resurface pavement with asphaltic concrete in sections of Williams St., Cornell St., Oberlin St., etc. 1911 Act. Hearing Sept. 24. E. L. Beach, city clerk. J. F. Byrbee, Jr., city engineer.

MILL VALLEY, Marin Co., Calif.—Town trustees declare intention (812) to improve Sycamore Ave., involving grading; pave with hydraulic concrete and surface portion with oil macadam; hyd. conc. curbs; vit. pipe sewer laterals. 1911 Act. Bond Act 1915. Hearing Sept. 2. Will Falley, town clerk.

MENLO PARK, San Mateo Co., Cal.—City trustees declare intention (31-7) to improve Live Oak Ave. and portions of other streets involving grading; 2-in. asphalt. conc. surface paving on 6-in. waterbound rock base; conc. gutters, curbs, walks, driveway approaches; 6-in. vit. clay pipe sewers; brick manholes; domestic water service connections; 20 single light electrolier standards with underground system.

1911 Act. Bond Act 1915. Hearing Sept. 1. Fannie I. Kurtz, city clerk. Bert J. Mehl, city engineer.

MENLO PARK, San Mateo Co., Cal.—City trustees declare intention (31-9) to improve Curtis St., Doyle and

portions of other streets, involving grading; 2-in. asphalt. conc. wearing surface on 6-in. waterbound rock base; cement concrete curbs, 100 gal. hydr. concrete driveways, set along impervious sand surfaces, gully weight 1900 water services.

1911 Act. Bond Act 1915. Hearing Sept. 1. Fannie I. Kurtz, city clerk. Bert J. Mehl, city engineer.

SANTA BARBARA, Cal.—City council declares intention (1170) to improve West Solia St., between Castillo St. and Euclid Ave., under the 1911 Act, involving grading, conc. pavement, gutter, concrete driveways, reset stone curb, removal of oil macadam gutter. Hearing, Oct. 1. E. B. Brown, city engineer.

SANTA BARBARA, Cal.—City council declares intention (1169) to improve Mission St., between San Andreas St. and Robbins St., and portions of Chino St., Gillespie St., and other streets, involving grading, concrete, pavement, combined curb and gutter, cross-gutters, vitrified sewers. B. Brown, city engineer.

SALINAS, Monterey Co., Calif.—No bids received by county supervisors August 19 to furnish and haul material to improve the Blanco and Brees roads in Supervisor District No. 2, involving:

- (1) 16,000 tons base rock, furnish, haul and dump in spreader boxes on subgrade;
- (2) 644 bbls. 90-95 oil, haul and spread
- (3) 1070 tons $\frac{3}{4}$ -in. rock, furnish, unload and haul and dump on roadway.

New bids will be asked, to be opened Sept. 8, 10 A. M. C. F. Joy, county clerk. Howard Cozens, county surveyor.

OKDALE, Stanislaus Co., Calif.—City council declares intention (8-F) to improve portions of F Street, involving:

- (1) 122,500 sq. ft. grading subgrades;
- (2) 59,000 sq. ft. Portland cem. conc. pave., 9x6x8-in. section;
- (3) 51,600 sq. ft. Portland cem. conc. pave., 8-in. x 5-in. curb and 8-in. x 5-in. section;
- (4) 56,900 sq. ft. asphalt. conc. pavement 3 $\frac{1}{2}$ -in. minimum thickness over existing pavement;
- (5) 8,950 sq. ft. asphalt. conc. pavement 9x7x9-in. section;
- (6) 12,300 sq. ft. asphalt. conc. pavement 3 $\frac{1}{2}$ x $\frac{1}{2}$ -in. section (resurface and grade trans-section);
- (7) 5,370 lin. ft. Portland cement concrete integral curb;
- (8) 30,900 lbs. steel bar reinf.;
- (9) 20 lin. ft. 8x36-in. corr. metal and Portland cement concrete part circle culverts;
- (10) 70 lin. ft. 8x24-in. do;
- (11) 7 existing manholes, raise casting to grade;
- (12) 3 monuments.

1911 Act. Bond Act 1915. City will pay \$15,000 of total cost from the Treasury. Hearing Aug. 28. Hussey & Belcher, engineers, Syndicate Bldg., Oakland. C. E. Wood, city clerk.

BERKELEY, Alameda Co., Cal.—Until August 31, 8 P. M., bids will be received by Clara F. Andrews, Secretary, Board of Education, 2325 Milvia St., for grading and paving a portion of the upper playground and grading the sidewalk area along the south side of Hinkins Street at the Garfield School grounds, located in the block bounded by Rose, Grant, Josephine and Hopkins Streets. Certified check 10% payable to Berkeley School District of Alameda County required with bid. Plans obtainable from secretary on deposit of \$5. returnable. On previous call for bids lowest bid was submitted by H. A. Christie, Berkeley at \$2661.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Am't.
1189	Arnott	Arnott	4000
1190	Meyer	Owner	4000
1191	Meyer	Owner	4000
1192	Dewar	De Martini	4500
1193	McDonough	Owner	7000
1194	Meyer	Owner	8000
1195	McComber	Owner	3000
1196	Hadham	Owner	4000
1197	Steinauer	Owner	8500
1198	Cook	Owner	32500
1199	Cervieres	Owner	2500
1200	Morrissey	Rendall	3000
1201	Berg	Owner	3500
1202	Peterson	Owner	3850
1203	Rethberg	Mendowcroft	3500
1204	Barker	Owner	3000
1205	Bodeau	Owner	3000
1206	MacClare	Owner	1750
1207	Skalberg	Owner	10000
1208	Kolsberg	Owner	7000
1208	Samuelson	Owner	8000
1209	Kiernan	Owner	20000
1210	Fuerst	Brueck	1800
1211	Lunde	McNutt	2750
1212	Blanchard	Cuthbertson	1000
1213	Pletcher	Owner	3000
1214	Jellu	Owner	3500
1215	Murphy	Owner	5000
1216	Blaustein	Owner	8000
1217	McDonough	Owner	4000
1218	Brodie	McDonough	5000
1219	McCarthy	Owner	7500
1220	Almens	Martin	6000
1221	Cameron	Duerner	3500
1222	Struthers	Owner	7000
1223	Loeber	Owner	4500
1224	Smyth	Phelan	6000
1225	Bosshart	Erickson	4000
1226	Norris	Columb	2000
1227	Standard	Owner	4000
1228	Eothin	Siegrist	1200
1229	Winkler	Owner	15000
1230	Tait	Mullen	1500
1231	Peterson	Owner	3500
1232	Oliva	Sartorio	8000
1233	Doelger	Owner	4800
1234	Adams	Owner	3000
1235	Peterson	Owner	8000
1236	Olson	Owner	3000
1237	Kelleher	Amatore	2000

DWELLING

(1189) W CECILIA 245 N Santiago; one-story and basement frame dwelling.

Owner—J. A. Arnott, 633 Taraval St. Plans by Owner.
Contractor—J. A. Arnott & Son, 633 Taraval St. \$4000

DWELLING

(1190) S JUANITA 219 S Lansdale; one-story and basement frame dwelling.

Owner—Meyer Bros., 727 Portola Dr. Plans by Owner. \$4000

DWELLING

(1191) S ROCKDALE 558 W La Bica; one-story and basement frame dwelling.

Owner—Meyer Bros., 727 Portola Dr. Plans by Owner. \$4000

DWELLING

(1192) E 47th AVE. 225 S Santiago; 1-story and basement frame dwelling.

Owner—D. R. Dewar, 2474A 46th Ave. Plans by Owner.
Contractor—W. De Martini. \$4500

DWELLINGS

(1193) E 28th AVE. 150 S Judah St.; two 1-story and basement frame dwellings.

Owner—J. J. McDonough, 1226 17th Avenue.
Plans by Owner. each \$3500

DWELLINGS

(1194) S MARIETTA 265 E Teresita; two 1-story and basement frame dwellings.

Owner—Meyer Bros., 727 Portola Dr. Plans by Owner. each \$4000

DWELLING

(1195) E 32nd AVE. 250 S Ulloa; 1-story and basement frame dwelling.

Owner—McComber & Nelson, 732 16th Avenue.
Plans by Owner. \$3000

DWELLING

(1196) S DARIEN 100 W Northgate; one-story and basement frame dwelling.

Owner—A. Hallgren, 1594 29th Ave. Plans by D. E. Jaekle, 714 Call Bldg. \$4000

DWELLING

(1197) E BAKER 75 N Lombard; 2-story, basement and airplane room frame dwelling.

Owner—S. Steinauer, 755 27th Ave. Architect—R. R. Irvine, 747 Call Bldg. \$8950

APARTMENTS

(1198) NE BAY and Webster Streets; three-story and basement frame (18) apartments.

Owner—S. J. Cook, 176 Sutter St. Architect—H. C. Baumann, 251 Kearny Street. \$32,500

REMODELING

(1199) 1644 McKINNON AVE.; remodel store to garage.

Owner—Mr. Cervieres, NW Third and McKinnon.
Architect—F. A. Hildebrand, 110 Sutter St. \$2500

REMODELING

(1200) N FILBERT 137 W Scott St.; Owner—Dr. E. J. Morrissey, 3032 Divisadero St.

Architect—Not Given.
Contractor—W. W. Rendall, 2500 Filbert St. \$3000

DWELLING

(1201) E 13th AVE. 200 N Ortega; 1-story and basement frame dwelling.

Owner—Einer J. M. Berg, 24 Stillings. Plans by Owner. \$3500

DWELLING

(1202) E MARGARET 350 N Lakeview; 2-story and basement frame dwelling.

Owner—E. Peterson, 262 Chestnut St. Plans by Owner. \$3850

DWELLING

(1203) W 22nd AVE. 118 N Noriega; one-story and basement frame dwelling.

Owner—E. J. Rethberg and J. B. Cookley, 2368 19th Ave. Plans by Contractor.
Contractor—F. Meadowcroft, 1459 25th Avenue. \$3500

DWELLING

(1204) N CAYUGA 50 W Lyell; one-story and basement frame dwelling.

Owner—W. E. Barker, 312½ San Jose Avenue.
Architect—B. K. Dobkowitz, 425 Montecrey Blvd. \$3000

DWELLING

(1205) W 28th AVE. 75 N Santiago; one-story and basement frame dwelling.

Owner—J. S. Godeau, 41 Van Ness. Architect—Not Given. \$3500

ALTERATIONS

(1206) 877 TREAT AVE.; alterations to dwelling.

Owner—R. MacClare, 877 Treat Ave. Architect—Not Given.

DWELLING

(1207) E SOTELO 100 N Lopez; two-story and basement frame dwelling.

Owner—Mrs. N. Skalberg, 242 21st Avenue.
Plans by T. J. Mills, 242 21st Ave. \$10,000

DWELLINGS

(1208) E CAINE 375 W Lakeview; two 1-story and basement frame dwellings.

Owner—T. Kolsberg, 141 Winfield St. Plans by Owner. each \$5500

DWELLINGS

(1208) N SENECA 40 W Knights Place. Two one-story and basement frame dwellings.

Owner—A. M. Samuelson, 901 Geneva Ave., San Francisco.
Plans by W. R. Weisheimer, 924 Prague St., S. F. \$4000 each

DWELLINGS

(1209) W FORTY-SEVENTH AVE 25 S Geary St. Five one-story and basement frame dwellings.

Owner—Kiernan & O'Brien, % Architect.
Architect—A. H. Larsen, 447 Sutter St., San Francisco. \$4000 ea

ALTERATIONS

(1210) E CHURCH 78 N Valley St. Alter dwelling.

Owner—Mr. and Mrs. G. Fuerst, 1613 Church St., San Francisco.
Plans by C. J. Brueck, 448 Peninsula Ave., San Francisco.
Contractor—M. Brueck. \$1800

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - California

DWELLING
(1211) NW WAYLAND 107 SW Bruns-
sels. One-story and basement
frame dwelling.
Owner—A. Lundie, 510 Colby St., San
Francisco.
Plans by T. R. Goth, 194 San Pablo
Ave., El Cerrito.
Contractor—McNutt Bros., 7111 Levi-
ston Ave., El Cerrito. \$2750

ALTERATIONS
(1212) 4201 KIRKHAM ST.; altera-
tions for (2) flats.
Owner—Mrs. E. Blanchard, 4201 Kirk-
ham Street.
Architect—Not Given.
Contractor—T. A. Cuthbertson, 430
N.oreiga. \$1000

DWELLING
(1213) E 24th AVE. 175 S California;
one-story and basement frame
dwelling.
Owner—J. P. Fletcher, 6140 Geary St.
Architect—Not Given. \$3000

DWELLING
(1214) NW NAPLES 275 SW Avalon;
one-story and basement frame
dwelling.
Owner—G. Jehn, 580 Victoria St.
Architect—Not Given. \$3500

DWELLING
(1215) W 35th AVE 190 N Cabrillo; 2-
story and basement frame dwell-
ing.
Owner—W. Murphy, 1824 Fell St.
Architect—Not Given. \$5000

FLATS
(1216) E 31st AVE. 100 N Fulton; 2-
story and basement frame (2) flats
Owner—S. Blaustein, 233 21st Ave.
Plans by P. C. Fisher, 1122 Noe St.
\$3000

DWELLING
(1217) W 33rd AVE 225 N Irving; 1-
story and basement frame dwell-
ing.
Owner—J. S. McDonough, 935 Buena
Vista Avenue.
Architect—Not Given. \$4000

DWELLING
(1218) W BALCETA 180 NE Laguna
Honda; one-story and basement
frame dwelling.
Owner—C. M. Brodie, 1180 Portola.
Contractor—J. S. McDonough, 935
Buena Vista Ave. \$5000

DWELLINGS
(1219) E 26th AVE 175 S Rivera; two
1-story and basement frame dwell-
ings.
Owner—J. E. McCarthy, 1342 Funston
Avenue.
Plans by Owner. each \$3900

DWELLING
(1220) W SAN PABLO N Santa Mon-
ica; two-story and basement frame
dwelling.
Owner—M. Ahrens.
Architect—Masten & Hurd, 233 Post
Street.
Contractor—W. Martin, 666 Mission
Street. \$6000

DWELLING
(1221) E 25th AVE 200 S Kirkham;
one-story and basement frame
dwelling.
Owner—C. A. Cameron, % 26 Edin-
burgh.
Plans by Contractor.
Contractor—J. C. Duerner, 26 Edin-
burgh St. \$3500

DWELLINGS
(1222) SW COR 36th and Castro; two
1-story and basement frame dwell-
ings.
Owner—M. T. Struthers, 1887 San Jose
Avenue.
Plans by Owner. each \$3500

DWELLING
(1223) E 29th AVE. 75 N Kirkham; 1-
story and basement frame dwell-
ing.
Owner—H. Doelger, 300 Judah St.
Plans by B. K. Dobkowitz, 425 Mont-
erey Blvd. \$4800

DWELLING
(1224) SE 34th AVE. and Cabrillo; 2-
story and basement frame dwell-
ing.
Owner—J. Smyth, 246 17th Ave.
Plans by C. M. Baker, 155 Montgom-
ery Street.
Contractor—P. J. Phelan, 646 20th Ave.
\$6000

DWELLING
(1225) E 17th AVE. 175 N Wawona;
one-story and basement frame
dwelling.
Owner—Mr. and Mrs. H. J. Bosshart,
care builder.
Architect—Not Given.
Contractor—H. Erickson, 972 Chenery.
\$4000

REPAIRS
(1226) 410 12th AVENUE; repairs to
dwelling.
Owner—M. Norris, 2048 Market St.
Architect—Not Given.
Contractor—I. W. Coburn, 2043 Market
Street. \$2000

DWELLING
(1227) E 22nd AVE. 250 N Santiago;
one-story and basement frame
dwelling.
Owner—Standard Bldg. Co., 218 Cas-
tenada.
Plans by Owner. \$4000

REPAIRS
(1228) 261 EIGHTH ST.; repair fire
damage.
Owner—Bothin Real Estate Co., 604
Mission St.
Architect—Not Given.
Contractor—F. R. Seigrist, 604 Mission
Street. \$1200

APARTMENTS
(1229) W MONTGOMERY 97 S Green-
wich; three-story and basement
frame (5) apts.
Owner—O. Winkler, 1413D Montgom-
ery Street.
Plans by Owner. \$15,000

ALTERATIONS
(1230) 24 ELLIS ST.; alterations to
restaurant.
Owner—Tait's Restaurant Co., 24 El-
lis Street.
Plans by N. B. Mears, 60 Rausch St.
Contractor—Mullen Mfg. Co. 60 Rausch
Street. \$1500

DWELLING
(1231) S STAPLES 100 W Foerster;
one-story and basement frame
dwelling.
Owner—A. R. Peterson, 1435 Church.
Plans by B. K. Dobkowitz, 425 Mont-
erey Blvd. \$3500

FLATS
(1232) E BRODERICK 75 N Chest-
nut; 2-story and basement frame
(2) flats.
Owner—Mrs. A. Oliva, 874 No. Point.
Architect—Not Given.
Contractor—P. Sartorio, 2440 Green-
wich St. \$8000

DWELLING
(1233) W 14th AVE. 50 N Judah; one-
story and basement frame dwell-
ing.
Owner—F. Doelger, 743 Irving St.
Plans by B. K. Dobkowitz, 425 Mont-
erey Blvd. \$4800

DWELLING
(1234) W 32nd AVE 75 N Rivera; 1-
story and basement frame dwell-
ing.

Owner—E. T. Adams, 121 Golden Ave.
Plans by Owner. \$3000

FLATS
(1235) S LINCOLN 2 W 4th Ave. 2-
story and basement frame (2) flats
Owner—A. Peterson, 1820 8th Ave.
Architect—Not Given. \$8000

DWELLING
(1236) N DUNCAN 160 E Noe; one-
story and basement frame dwell-
ing.
Owner—F. T. Olson, 480 Duncan.
Architect—Not Given. \$3000

ALTERATIONS
(1237) 1433 VERMONT ST.; altera-
tions to dwelling.
Owner—J. Kelleher, 1433 Vermont St.
Architect—Not Given.
Contractor—F. Amatore, 1433 Vermont
Street. \$2000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
161	Schonbahler	Meadowcroft	4945
162	Dewar	DeMartini	5400
163	Arance	Lindberg	7825
164	Challenge	Cyclops	9849
165	Raymond	Lindgren	5982

BUILDING
(161) E 25th AVE. 250 N Kirkham N
25 x E 120; all work on one-story
building and basement with five
rooms and sun porch.
Owner—Mr. and Mrs. A. Schonbahler.
Plans by Mr. Meadowcroft.
Contractor—F. E. Meadowcroft, 1459
25th Avenue.
Filed Aug. 15, '31. Dated May 23, '31.
When roof is on..... \$ 812.50
Coat of plaster on..... 812.50
Completion notice filed..... 812.50
30 days after completion..... 2507.50
TOTAL COST, \$4945.00
Limit, 110 days.

BUNGALOW
(162) E 47th AVE. 225 S Santiago S
25 x E 120; all work for four-room
bungalow.
Owner—Daniel R. and Birdie B. De-
war, 2474A 46th Ave.
Architect—Not Given.
Contractor—Wm. De Martini.
Filed Aug. 15, '31. Dated Aug. 6, '31.
Frame up..... 25%
Brown coated..... 25%
Completed..... 25%
Usual 35 days..... 25%
TOTAL COST, \$5400
Limit, 120 days.

RESIDENCE
(163) NW MISSION 56-73 SW Nlag-
ara Ave NW 103-135 SW 25 SE
100 m or l to NW Mission NE 25-
77 to beg Bk 3 West End Map No.
1; all work on 2-story frame res-
idence.
Owner—R. Arance.
Architect—J. A. Porporato, 619 Wash-
ington Street.
Contractor—C. Lindberg, 1 Naylor St.
Filed Aug. 17, '31. Dated Aug. 11, '31.
Rough frame up..... \$1500
Finished and accepted..... 1985
Usual 35 days..... 2985
TOTAL COST, \$7825
Bond, \$4000. Sureties, C. Monson, A.
Nelson. Limit, 90 days. Plans and
Spec. filed.

REFRIGERATING MACHINERY
(164) 18th and YORK STS.; installa-
tion of refrigerating machinery.
Owner—Challenge Cream and Butter
Assn., 807 Montgomery St.
Architect—Not Given.

Contractor Cyclops Iron Works, 837
Folsom Street
Filed Aug. 17, '31. Dated June 15, '31.
Progress payments of 75%
30 days after 25%
TOTAL COST, \$9,849.60

165 Riber	Summer	1277
166 McCarthy	Snyder	7100
167 Jackson	Lindeman	10250

ALTERATIONS

(165) 2155 SACRAMENTO ST.; alteration to Lafayette Apts.
Owner—J. Abrams, F. Eiber, M. Harris, J. Harris and A. Harris, premises.

Architect—Not Given.
Contractor—L. M. Sommer & Co., 901 Bryant Street.
Filed Aug. 18, '31. Dated July 23, '31.
Upon completion \$650
Usual 35 days.....Balance
TOTAL COST, \$1,277
Bond, \$19.16. Sureties, The Fidelity Surety Co. Limit, 30 days.

BUILDING

(166) 2175-77-79-81 PACIFIC AVE.; all work on building.
Owner—Mrs. A. McCarthy.
Architect—S. Chisholm.
Contractor—L. R. Snyder.
Filed Aug. 18, '31. Dated Aug. 4, '31.
Payable within ten days after total completion.
Limit, 60 days

TOTAL COST, \$7,100

FLATS

(167) E COLLINGWOOD 85 N 21st
N 53 x E 125; all work on 2-story and basement frame flat bldg.
Owner—J. R. and E. Jackson.
Architect—Not Given.
Contractor—H. O. Lindeman, Ltd., 619 27th Avenue.
Filed Aug. 18, '31. Dated July 20, '31.
Roof on 25%
When plastered 25%
When completed 25%
Usual 35 days 25%
TOTAL COST, \$10,250
Plans and Spec. filed.

DWELLING

(168) N ULLOA 30 E 14th Ave. E 30 x N 100; all work on 1-story and basement frame dwelling.
Owner—Marie A. Raymond.
Plans by D. E. Jackie, Cal Bldg. Contractor—Albin C. Lindgren.
Filed Aug. 19, '31. Dated July 18, '31.
Roof sheathing on \$1495.50
Brown coated 1495.50
Completed 1495.50
Usual 35 days 1495.50
TOTAL COST, \$5982.00

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded	Accepted
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Aug. 12, 1931—NE LOWELL 163 SE Morse SE 25 NE 178 West End H. D. Assn. P and M Caracci to V Caracci.....August 5, 1931

Aug. 12, 1931—E TWENTY-SIXTH Ave 30 N Vicente N 30x90 OL 1198 N Vicente 120 W 25th Ave W 30 N 100 OL 1198. H and H Stoneson to Stoneson Bros & Thorinsson.....July 29, 1931

Aug. 12, 1931—E TWENTY-SIXTH Ave 85 N Vicente N 25x120 S 10 W 30 S 15 W OL 1198. H and H Stoneson to Stoneson Bros & Thorinsson.....July 29, 1931

Aug. 12, 1931—E 26th AVENUE 60 N Vicente N 25x90 OL 1198; E 26th Ave 170 N Vicente N 30x90 OL 1198; E 26th Ave 200 N Vicente N 25x120 OL 1198; E 26th Ave 110 and 140 N Vicente N 30x90 OL 1109. H and H Stoneson to Stoneson Bros & Thorinsson.....July 29, 1931

Aug. 12, 1931—N VICENTE 90 W

25th Ave W 30xN 100 OL 1198. H and H Stoneson to Stoneson Bros & Thorinsson.....July 29, 1931
Aug. 12, 1931—NE VICENTE AND 26th Ave N 30x90 OL 1198. H and H Stoneson to Stoneson Bros & Thorinsson.....July 29, 1931
Aug. 12, 1931—SW MASON AND Wator 91-6357-6 No. 2237 Mason St. L R Werthelmer to L Fountainelli.....Aug. 7, 1931

Aug. 12, 1931—E DIVISADERO 34-44 N Jefferson N 25x90 100-3. G and M Toggia to Gerrit Harder.....August 8, 1931
Aug. 12, 1931—SW THIRTY-FIRST Ave and Irving St. W H Savage to whom it may concern.....August 12, 1931

Aug. 12, 1931—E DIVISADERO 125 N Francisco N 25x90 100. B S and F M West to H Papenhausen.....August 16, 1931

Aug. 15, 1931—LOT 5 BLK 3042, Monterey Heights. George W and Josephine Stanley to whom it may concern.....Aug. 14, 1931
Aug. 15, 1931—N GLOVER 160-6 W Jones W 23xN 60. J & R Silvestri to Tony Damico.....Aug. 10, 1931

Aug. 15, 1931—E HYDE 137-6 S Eddy S 25x85 80. F E and J J Bell to Cahill Bros.....Aug. 15, 1931

Aug. 15, 1931—N CAYUGA AVE & Rousseau NW 50xNE 75, Spring Valley HD. L Besio to whom it may concern.....Aug. — 1931

Aug. 14, 1931—22nd AVENUE 100 S Vicente S 25 x W 120. Stanley Cowen to whom it may concern.....August 14, 1931

Aug. 14, 1931—S QUINTARA 64-2 W 16th Ave W 33-4 x S 100. Frank and Gertrude Miller to Drager Elec Co, Coast Hardwood Floor Co, Jack Johnson Co, E Patterson, Rehm Plbg Co and J Anglin.....August 8, 1931

Aug. 14, 1931—NW BERTITA 457-5 NE Seneca Ave 25 x 103 ptn lots 17 and 18 Blk 2 Oscar Heyman & Bros Sub of ptn West End Map No 1. John Dall to whom it may concern.....August 14, 1931

Aug. 14, 1931—S 21st 152-8 W Church W 25 x S 114. Alexander De Masi to Ross Schaad.....August 12, 1931

Aug. 14, 1931—LOTS 47, 48 and 49, Ashbury Terrace Map. Lyon and Hough Sub of Ashbury Terrace on W line of Roosevelt Way. Berg-hausen Co to whom it may concern.....August 11, 1931

Aug. 14, 1931—W 20th AVE 275 S Ulloa St S 50 x W 120. Nina L Nickey to A J Herzog.....Aug. 13, 1931
Aug. 13, 1931—NE EVANS AVE and Napoleon, 2000 Evans Ave. Chas R McCormick Lumber Co to whom it may concern.....August 6, 1931

Aug. 13, 1931—S JUNIPERO SERRA Blvd and Ocean Ave. Associated Oil Co to George Wolf.....August 11, 1931

Aug. 13, 1931—E 32nd Ave 225 Ulloa S 25 x E 120 OL 1204. A J and M A Herzog to whom it may concern.....August 13, 1931

Aug. 12, 1931—NEAR NAPOLEON ST and Jerrald Ave; grading and filling. Southern Pacific Co to J P Holland, Inc.....August 7, 1931

Aug. 12, 1931—E HARRISON 182 S Twentieth 50x100 No. 2419 and 2417 Harrison St. F Slepniokoff to whom it may concern.....Aug. 11, 1931
Aug. 18, 1931—E EUREKA 85 North 22nd N 25 x E 115-9 H A 214. H J Conway to J R Smith.....August 10, 1931

Aug. 18, 1931—LOT 5 BLK H, Mission St Land Co. Harry Walters to whom it may concern.....August 18, 1931

Aug. 18, 1931—W 17th Ave 225 S Moraga S 25 x W 120 OL 877. T D and R Gilpin to whom it may concern.....August 18, 1931
Aug. 17, 1931—1444 PINE ST. S M

Hinshaw to whom it may concern.....August 13, 1931
Aug. 17, 1931—NE 25th and PAIR Oaks th 60 E 100 N 50 E 50 S 110 W x 150 to beg. Victor Gullmes to whom it may concern.....

LIENS FILED

San Francisco County

Recorded	Amount
Aug. 15, 1931—W CAROLINA 150 S 19th S 25xW 100, Ptn Potrero Blk 176. F C Callaghan vs G and L Ferranto.....\$193.40	
Aug. 15, 1931—W CAROLINA 150 S 19th S 25x100 Ptn Potrero Blk 176. S F Wall Board Co vs G and L Ferranto.....\$87.15	
Aug. 14, 1931—S GEARY 82-6 East Funston Ave E 25 x S 100. Roma Hardwood Floor Co vs Lillie van Damme.....\$50	
Aug. 12, 1931—NO. 2525 MISSION St. California Steel Products Co vs Arctic Refrigerating Co and P H Grethel.....\$—	
Aug. 12, 1931—N BUSH 137-6 E Jones E 55xN 137-6 50 V Blk 220. W G Koenig vs Board of Trustees of Glide Foundation Fitzgerald Memorial Methodist Episcopal Church South and Mrs. N C'Donnell.....\$33.55	
Aug. 18, 1931—S GREENWICH 40 E Franklin E 60 x S 79. Ray Eurer Co vs Sarah Schwalbe, Laughlin Const Co, P H Phillips.....\$791.15	

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Amt.
949	Dolan	Owner	1239
950	Tonjer	Beckett	10000
951	Jackson	Knowles	10000
952	Lee	Owner	1800
953	Peterson	Waldman	2500
954	Mason	Sylvester	5300
955	Macagnano	Owner	1000
956	Barber	Bethel	3200
957	Hildorff	Owner	2900
958	Johanson	Owner	2500
959	California	Christensen	5000
960	Griffith	Owner	4700
961	Stewart	Conner	7750
962	Lambert	Owner	1000
963	Brophy	Owner	3000
964	Pfrang	Owner	5000
965	Whittaker	Owner	4000
966	S F Airdrome	Owner	5000
967	Peterson	Owner	5000
968	Netherby	Owner	4000
969	Griffith	Owner	3700
970	Eyre	Owner	3000
971	Eyre	Owner	3000
972	Diani	Cola	4000
973	Burnham	Henderson	1000
974	Griffith	Owner	3700
975	East Oakland	Electrical	1000
976	Davis	Rose	1400
977	Dysinger	Owner	1000

ADDITION

(949) NO. 1324 SPRUCE ST., BERKELEY. Addition.
Owner—A. E. Dolan, 1324 Spruce St., Berkeley.
Architect—Not Given. \$1929

DWELLING

(950) NO. 205 UPLANDS, BERKELEY. Two-story 8-room cement plaster dwelling.
Owner—H. J. Tonjer, 624 Scenic Ave., Piedmont.
Architect—Not Given.
Contractor—Becker & Wight, 722 Scenic Ave., Piedmont. \$10,000

ALTERATIONS

(951) NO. 1767 BROADWAY, OAKLAND. Alterations.
Owner—Jackson Jewelry Co., 1432 Broadway, Oakland.
Architect—Feil & Paradise, 507 Oviat Bldg., Los Angeles.

Contractor—Wm. Knowles, 429 26th St., Oakland. \$10.000

ADDITION
(952) NO. 2861 VALLECITO PLACE, OAKLAND. Addition.
Owner—Mrs. C. D. Lee, Premises.
Architect—Not Given. \$1800

DWELLING
(953) NE THIRTY-NINTH AND Bayo Aves., OAKLAND. One-story 5-room dwelling.
Owner—A. V. Peterson, 4622 E-14th St., Oakland.
Architect—Not Given.
Contractor—A. E. Waldman, 386 12th St., Oakland. \$2500

DWELLING
(954) N MT. BLVD. 400 W Thorn Road, OAKLAND. Two-story 6-room dwelling and 1-story garage.
Owner—W. L. Mason.
Architect—Not Given.
Contractor—H. K. Sylvester, 1510 Franklin St., Oakland. \$5300

ALTERATIONS
(955) NO. 2322 NINTH ST., BERKELEY. Alterations.
Owner—Joe Maccagno, 921 Gilman St., Berkeley.
Architect—Not Given. \$1000

DWELLING
(956) NO. 1417 PARKER ST., BERKELEY. One-story 6-room stucco dwelling.
Owner—L. K. Barber, 853 45th St., Oakland.
Architect—Not Given.
Contractor—W. E. Bethel, 1400 Ashby Ave., Berkeley. \$3200

DWELLING
(957) N OUTLOOK AVE. 43 W 75th Ave., OAKLAND; one-story five-room dwelling.
Owner and Builder—George Holdorff, 1313 152nd Ave., San Leandro.
Architect—Not Given. \$2900

DWELLING
(958) 3534 68TH AVE., OAKLAND; 1-story 4-room dwelling.
Owner and Builder—K. A. Johanson, 2832 76th Ave., Oakland.
Architect—Not Given. \$2500

ALTERATIONS
(959) 1001 22nd AVE., OAKLAND; alterations.
Owner—California Wire Cloth Co., 1001 22nd Ave., Oakland.
Architect—Allen Froberg, Ray Bldg., Oakland.
Contractor—H. J. Christensen, Ray Bldg., Oakland. \$5000

DWELLING
(960) E 108th AVE. 160 S Beverly Ave., OAKLAND; one-story six-room dwelling and 1-story garage.
Owner and Builder—C. W. Griffith, 1427 87th Ave., Oakland.
Architect—Not Given. \$4700

DWELLING
(961) 948 REGAL ROAD, BERKELEY; two-story 7-room dwelling.
Owner—George Stewart, Benita Ave., Berkeley.
Architect—Hardman & Russ, 507 Bank of America Bldg., Berkeley.
Contractor—Conner and Conner, 1733 Francisco, Berkeley. \$7750

ALTERATIONS
(962) NO. 1840 WOOLSEY ST., BERKELEY. Alterations.
Owner—A. E. Lambert, Premises.
Architect—Not Given. \$1000

DWELLING
(963) W SIXTY-EIGHTH AVE. 239 S Trenor St., OAKLAND. One-story dwelling.
Owner—Frank Brophy Jr., 6535 Foot-

hill Blvd., Oakland.
Architect—Not Given. \$3600

DWELLING
(964) NE FIFTY-SIXTH AND CARRY ST., OAKLAND. One-story 6-room dwelling.
Owner—C. J. Huang, 6300 Chabmont Ave., Oakland.
Architect—Not Given. \$5000

DWELLING
(965) N THIRTY-FIFTH AVE 100 E Mountain Blvd., OAKLAND. Two-story five-room dwelling.
Owner—L. H. Whitaker, 5497 Chabmont Ave., Oakland.
Architect—Not Given. \$1600

SHOP
(966) NO. 2135 WEBSTER ST., ALAMEDA. One-story concrete floor and corrugated iron roof repair shop.
Owner—San Francisco Bay Airdrome, 2135 Webster St., Alameda.
Architect—Not Given. \$5000

DWELLING
(967) E OAKMORE ROAD 100 N Oakmore Place, OAKLAND. Two-story 6-room dwelling.
Owner—Wallace A. Peterson, 1914 Centini, Ave., Oakland.
Architect—Not Given. \$5000

DWELLING
(968) NO. 5209 PROCTOR AVENUE, OAKLAND. Two-story five-room dwelling.
Owner—W. A. Netherby, 3853 Lyman Road, Oakland.
Architect—Not Given. \$4000

DWELLING
(969) W EIGHTY-FOURTH AVE 80 S Birch St., OAKLAND. One and one-half-story dwelling and one-story garage.
Owner—C. W. Griffith, 1427 87th Ave., Oakland.
Architect—Not Given. \$3700

DWELLING
(970) NO. 1116 TALBOT AVE., ALBANY. Five-room dwelling.
Owner—D. Eyre, 1726 Franklin St., Oakland.
Architect—Not Given. \$3000

DWELLING
(971) NO. 1114 TALBOT AVE., ALBANY. Five-room dwelling.
Owner—D. Eyre, 1726 Franklin St., Oakland.
Architect—Not Given. \$3000

DWELLING
(972) NO. 924 MASONIC AVE., ALBANY. Six-room dwelling.
Owner—A. Diani, El Cerrito.
Architect—Not Given.
Contractor—P. Cola, 720 Evelyn Ave., Albany. \$4000

ALTERATIONS
(973) NO. 961 INDIAN ROCK AVE., BERKELEY. Alterations.
Owner—Dr. Clark Burnham.
Architect—Not Given.
Contractor—H. K. Henderson, 20 Arvis Road, Berkeley. \$1000

DWELLING
(974) NO. 1762 EIGHTY-THIRD AVE., OAKLAND. One and one-half-story 6-room dwelling and 1-story garage.
Owner—C. W. Griffith, 1427 87th Ave., Oakland.
Architect—Not Given. \$3700

SIGNS
(975) 3561 E 14th ST., OAKLAND; two electric signs.
Owner—East Oakland Auto Sales.
Architect—Not Given.
Contractor—Elec. Prod. Corp., 950 30th St., Oakland. \$1000

REPAIRS
(976) 853 WALKER AVENUE, OAKLAND; fire repairs.
Owner—Celia Davis, 853 Walker Ave., Oakland.
Architect—Not Given.
Contractor—A. H. Rose, 478 25th St., Oakland. \$1400

ADDITION
(977) 3145 COOLIDGE AVE., OAKLAND; addition.
Owner and Builder—G. S. Dysinger, 3145 Coolidge Ave., Oakland.
Architect—Not Given. \$1000

BUILDING CONTRACTS

Alameda County		
No. Owner	Contractor	Amt.
135 Breuner	Kulchar	41336

STORE BLDG.
(135) NW BAY & TWENTY-FIRST Sts., Oakland. Fixtures and cabinet work for eight-story and basement reinforced concrete store and loft building.
Owner—John Breuner Co.
Architect—Albert F. Roller, 1st Nat'l Bank Bldg., San Francisco.
Contractor—S. Kulchar (as S. Kulchar & Co.), 731 E-10th St., Oakland.
Filed Aug. 12, 31. Dated July 16, '31.
On 10th of each month 75%
Usual 35 days Balance
TOTAL COST, \$41,336
Bond, \$20,668. Surety, Pacific Indemnity Co. Limit, Oct. 10, 1931. Forfeited, none. Plans and specifications filed.

COMPLETION NOTICES

Alameda County		
Recorded	Accepted	
Aug. 15, 1931—LOT 25 BLK 12, Oakland Highlands, Oakland.	Henry G Cooke to John H Pickrell.....	August 11, 1931
Aug. 15, 1931—NO. 3712 HOPKINS St., Oakland.	Michael Raffetto to G W Steffen.....	Aug. 6, 1931
Aug. 15, 1931—LOT 35, Mandana Park, Oakland.	Charles E Bardwell Jr to whom it may concern.....	August 15, 1931
Aug. 14, 1931—NW 26th St and Harrison Blvd, Oakland.	First Congregational Church of Oakland to A Cederborg.....	August 6, 1931
Aug. 14, 1931—554 BLAIR AVENUE, Piedmont.	E H Sigwald to Sigwald Bros.....	August 12, 1931

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

Aug. 14, 1931—LOT 3 BLK 12, 1000 Oak St., Berkeley. Thorsgaard and Christian Pedersen to whom it may concern. August 13, 1931

Aug. 14, 1931—6510-16 MONTEBELL WAY, Oakland. Leonard Trimlett to self. August 12, 1931

Aug. 13, 1931—PTN PLOT 11, Indian Glen, Oakland. J W and Minnie W Rocked to C W Lockens. August 12, 1931

Aug. 13, 1931—W BROADWAY 372 S 19th St., Oakland. Isidor Weinstein Investment Co to Jacks & Irvine Inc. August 4, 1931

Aug. 11, 1931—475 BOYNTON AVE., Berkeley. Mary P Floyd, J P and Vera G Haynes to Sam Steinfeld. August 11, 1931

Aug. 12, 1931—S BEGIER AVE 106-49 ft W of Woodland Ave, San Leandro. Florence E and John D Johnson to Louis Johnson. August 10, 1931

Aug. 12, 1931—SW SOLANO & Fresno Avenues, Berkeley. H P Armes to W E Lyons. August 10, 1931

Aug. 11, 1931—LOT 9, Resub of Blk 11, Highlands Manor, Oakland. Chas W Lindquist to self. August 10, 1931

Aug. 17, 1931—NO. 2020 WARNER Ave., Oakland. Minnie E Jacobson to whom it may concern. August 17, 1931

Aug. 18, 1931—NO. 385 VERMONT St., Berkeley. O M French to O M French. August 17, 1931

Aug. 13, 1931—LOT 16 BLK F, Estudillo Estates, San Leandro. Jas V Burke to whom it may concern. August 15, 1931

Aug. 13, 1931—NO. 824 BARBARA Road, Oakland. Elizabeth Glenn Anzelo to Gordon Marchant. August 18, 1931

Aug. 13, 1931—NO. 5321 BOND ST., Oakland. Mrs. C G Anderson to whom it may concern. August 12, 1931

Aug. 13, 1931—NW EXCELSIOR AV and Emerson St., Oakland. The Roman Catholic Archbishop of S. F. to William Makin. August 4, 1931

Aug. 18, 1931—N 5 FT. LOT 67, all Lot 68 and S 10 ft. Lot 69, Broadway Terrace, Oakland. L T Flynn to R Beadell and Geo J Lane. August 15, 1931

RELEASE OF LIENS

Alameda County

Recorded	Amount
Aug. 14, 1931—LOT 20 BLK 12, Lakeside Subdiv of Adams Point Ppty, Oakland. Albert H Schoning to Axel C Nelson. A M Ponsen. \$228	
Aug. 12, 1931—PTN LOT 44 BLK 5, Resub of a ptn of North Cragmont, Berkeley. Swift Lbr Co Inc to Anna S and Jack Smith. E R Converse. \$526.01	

LIENS FILED

Alameda County

Recorded	Amount
Aug. 15, 1931—LOT 9 BLK 18, Map of Iveywood Extension Tct, Oakland. Melrose Lumber & Supply Co, Ltd vs M W Swansick and Fred Swansick. \$320.84	
Aug. 14, 1931—PTN PLOT 11 map of plots Nos 1 to 52 and Blks A, B, C, D and E of lands belonging to La Societe Francaise D'Eparignes et de Prevoyance Mutuelle, Washington Twp. P C Hansen vs Mary Cunha. \$266.01	
Aug. 13, 1931—LOT 13 BLK 4, Map of Shaw Tract Lots 4, 6, 7, 8 and 9, Berkeley. Sunset Hardware Co vs Edw Saucett and F W Thaxter. \$76.15	

Aug. 12, 1931—LOT 13 BLK 4, Shaw Tract Blks 4, 6, 7 and 9, Berkeley. Tilden Lumber & Mill Co vs Edw Faucett, F W Thaxter. \$465.70

Aug. 11, 1931—1251 MONTEREY AVE., Berkeley. Carl L Friberg vs Lloyd ABE. 18, 1931 LOT 20 BLK 12, Lakeside Subdiv of Adams Point Ppty Oakland. Incandescent Supply Co vs Axel C and Rachael H Nelson and W M Wosley. \$285.50

BUILDING CONTRACTS

SANTA CLARA COUNTY

DWELLING

PIONEER SCHOOL LOT on that certain Map entitled Map of Subd of Norton Tract in Pueblo Tract No. 3 (new number) of San Jose City Lands on 6-4-04 F2 of Maps Page 31. All work for dwelling and garage.

Owner—Herman and Lena M. McAbee. Architect—Not Given.

Contractor—Gibson-Wheeler Co., Inc., San Jose.

Filed Aug. 11, '31. Dated Aug. 6, '31.

Dwelling framed	\$1500
When plastered	1500
Completed and accepted	1500
Usual 35 days	1500
Cash before starting building	100
TOTAL COST	\$6100

Bond, \$5000. Sureties, W. S. Gibson and Roy K. Wheeler. Limit, 100 days from Aug. 10, 1931. Forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS

SANTA CLARA COUNTY

LEGION BLDG.

COR. CHURCH AND FRANKLIN Sts., Mountain View. General contract for two-story and part basement Class C building.

Owner—Mt View American Legion Bldg. Co., Mt. View.

Architect—A. A. Cantin, Flatiron Bldg., San Francisco.

Contractor—Carl Lindholm & Sons, San Jose.

Filed Aug. 17, '31. Dated May 12, '31.

On 1st and 15th of each month	75%
Usual 35 days	25%
TOTAL COST	\$27,722

Bond, none. Limit, 90 working days from May 12, 1931. Forfeit, none. Plans and specifications filed.

FURNISH ALL MATERIAL, LABOR, tools, appliances, permits and certificates therefor on above.

Contractor—Valley Electric Co.

Filed Aug. 17, '31. Dated Aug. 14, '31.

Payments same as above.

TOTAL COST	\$1025
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Bond, limit, forfeit, none. Plans and specifications filed.

HEATING PLANT ON ABOVE

Contractor—Helmer Anderson.

Filed Aug. 17, '31. Dated Aug. 14, '31.

As work progresses	75%
30 days after completion	25%
TOTAL COST	\$1465

Bond, limit, forfeit, none. Plans and specifications filed.

BUILDING PERMITS

SAN JOSE

AUTO repair shop, type III, \$3500; 18th St. near Taylor St., San Jose; owner, Antonio Gatto, 704 N-13th St., San Jose; architect, C. S. McKenzie, Twohy Bldg., San Jose; contractor, Dyke Walton, 1217 University Ave., San Jose.

RESIDENCE, frame, 5-room, \$3700; N-17th St. near Taylor, San Jose; owner, David Strom, American Trust Co., San Jose; contractor, Oluf Strom, Cambell, Calif.

RESIDENCE, frame, 4-room, \$1000;

Plum St. near Floyd, San Jose; owner, Salvatore Sunseri, 1300 Plum St., San Jose.

RESIDENCE, frame, 3-room, \$1500; Miller St. near Taylor, San Jose; owner, Mary O'Brien, 238-B E-San Carlos St., San Jose; designer & agent, Roy V. Ish, 950 S-Eighth St., San Jose.

RESIDENCE, frame, 5-room, \$3750; N 16th St. near Jackson St., San Jose; owner, Felix Cressio, 84 Sunol St., San Jose; contractor, Sol Guardino, 699 Mission St.

ADD to freight warehouse, \$2700; N 27th St. and W. P. right-of-way, San Jose; owner, Western Pacific Co., Santa Clara and 28th Sts., San Jose; architect, Company Engineers.

RESIDENCE, frame, 6-room, \$2900; N 14th St. near Santa Clara St., San Jose; owner, Homer De Wit Pugh, 647 E-Santa Clara St., San Jose; contractor, H. M. Nelson, 716 E-Santa Clara St., San Jose.

RESIDENCE, concrete, 4-room, \$2000; 21st St. near Jackson St., San Jose; owner, Wm. M. Ford, Cor. 21st and Jackson Sts., San Jose.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded	Accepted
Aug. 18, 1931—LOT 17 BLK 18, being NW Cowper and Nevada known as No. 2291 Cowper St., Palo Alto. O K and Lucile L Hink to Wells P Goodenough. August 12, 1931	
Aug. 18, 1931—PTN LOT 44, Clara Vista Addn, Lot Map 3, Town of Palo Alto. Willard P and Elizabeth T Walker to A C Heald. August 17, 1931	
Aug. 18, 1931—LOT 12 BLK 7, Los Altos Park U of Map 30. Roger J Ladira to Roger J Ladira. August 17, 1931	
Aug. 18, 1931—LOT 1 BLK 3, Lincoln Gates Narvaez Rancho. Salvatore Calcagno to R E Bennett. August 17, 1931	
Aug. 18, 1931—NO. 171-175-177 UNIVERSITY Ave., Palo Alto. Nellie C Harris to Henry B Post. August 10, 1931	
Aug. 13, 1931—LOT 11 and NW 11 ft of Lot 10 Blk 72 Amended map of Subd S Seale Tract being a subd of Blk 1 Subd No 4 Seale Tract 2-25-25 S of Maps pg 42. Cleveland Smith to whom it may concern. August 12, 1931	
Aug. 13, 1931—SWLY 40 ft LOT 6 Blk 16 map of the survey of the Chapman and Davis Tract A of maps pg 18. Benj A Quimet to whom it may concern. August 13, 1931	
Aug. 13, 1931—W SIDE LINCOLN Avenue near Gurnter Ave, Lincoln School Site. Willow Glen School Dist to N J Nielsen. August 7, 1931	
Aug. 14, 1931—LOT situated on E side of Riverside Drive Ave (976) Riverside Ave near Coe Ave San Jose. Chas Piper Smith to Dyke Walton. August 14, 1931	
Aug. 14, 1931—PARCEL OF LAND located on the Ely line of S Market St 137-84 N of N line San Fernando St and fronting 52.0 ft on S Market St x 206-75 ft deep, San Jose. The Pacific Telephone and Telegraph Co to whom it may concern. August 13, 1931	
Aug. 14, 1931—LOT 40 Glumaz Subd Mt View. Harry A Knight to Self. August 13, 1931	
Aug. 14, 1931—LOT 17 BLK 124 Crescent Park Map 2, Palo Alto. Palo Alto Land Co to whom it may concern. August 13, 1931	
Aug. 15, 1931—LOT 7 BLK 118, Crescent Park R Maps 38 and 39, Palo Alto. Arturo H Rauhof et al to whom it may concern. August 12, 1931	
Aug. 17, 1931—LOT 13 BLK 3 San	

Martin Rancho Map 1 G Map 36, Town of San Martin. J H Galloway to J H Galloway. Aug. 15, 1931
 Aug. 17, 1931—LOT 42, Santana Subdivision. Carl C Maurer to Carl C Maurer. Aug. 17, 1931
 Aug. 11, 1931—WM. ROWE SUBD., having frontage of 136 ft. on State Highway by uniform depth of 136 ft. on State Highway by a uniform depth of 185 ft. ad) Binal Stock ppty. Happy Garden Corporation and S Van Gorden et ux to G Genoku Salmamoto. Aug. 10, 1931
 Aug. 12, 1931—LOTS 22 & 23 BLK 88, Map of Subd of Blk 88, University Park E-23, Palo Alto. Nilo Okerman to whom it may concern. August 11, 1931

LIENS FILED

SANTA CLARA COUNTY

Recorded	Amount
Aug. 18, 1931—LOT 85 Map of Studio Heights, Part of Pala Rancho 3-7-21 in Part of Maps 10 and 11. Williams & Russo Inc vs Pacific Telephone & Telegraph Co. \$80.05	
Aug. 17, 1931—PTN LOTS 1 AND 2 Blk 3, Saineval Villa situate on SW Lincoln Ave. ptm of Bldg 33, Saineval Villa H of Maps pg 11. Coast Elec Service (a corp) vs G Bellantoni and Frank Perez. \$47.25	
Aug. 14, 1931—ALL LOT 3 BLK 7 R 7 S Snow & Pettis Addn, Mountain View. Helmer Anderson, \$181; H A Childers, \$364, vs J W Crigler. \$12, 1931—1500 FT. S 1200 DIT. W from NE Co. Sec. 1 T 12 S R 3 E and embracing Sec. 1 T 12 S R 3 E, said oil wells are located in Sargent Oil Field. Standard Pipe & Supply Co vs Hercules Refining Co. (lessee). \$2378.41	

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded	Amount
Aug. 17, 1931—LOT 4 BLK 9, Driscoll's Subd of Blk 9, Cook and Branham Addition, San Jose. Tilden Lumber & Mill Co to Vincenzo Campagna; Salvatore Vitale; Salvatore Vizzini; Ignazio Di Matteo and Filippo Cancilla. \$402.50	
Aug. 18, 1931—LOT 4 BLK 9, Driscoll's Subd of Blk 9, Cook and Branham Addition, San Jose. Tilden Lumber & Mill Co to George D and Margaret F McCrary. \$245.97	
Aug. 14, 1931—LOT 37 Map of Los Alamos Acres, Mt View. H Lowmiller, \$270.86; Wm Duckgeschel, \$729.48, to Thomas E and Lucy E Hanley	

BUILDING PERMITS

PALO ALTO

RESIDENCE, 1-story frame and stucco, \$4300; 272 Rinoonada Avenue; owner and builder, Marcus Steadman.
 RESIDENCE, two - story and garage, frame & stucco, \$9250; 1472 Hamilton Ave.; owner, Frank L. Nolan, 544 Everett St.; contractor, W. H. Gibson, 1475 Hamilton Ave.
 RESIDENCE, stucco, \$5000; No. 1143

Greenwood Ave. Palo Alto; owner, R. E. Lashburne, 1143 Greenwood Ave., Palo Alto.

BUILDING PERMITS

REDWOOD CITY

DWELLING, 6-rooms, bath, garage, frame, \$4000; 429 Grand St.; owner, Morris & Weiner; contractor, A. B. Morris.
 DWELLING, frame, six-room and garage, \$5000; No. 257 Fulton St.; owner, M. Brewer, 304 Stambaugh St., Redwood City; contractor, G. N. Ballou.

BUILDING PERMITS

BURLINGAME

RESIDENCE, \$6000; Lot 3 Blk 22, Easton; owner, D. R. Campbell, 743 Costa Rica St., Burlingame; contractor, E. E. Campbell.
 RESIDENCE, \$6000; Lot 23 Blk 1, Vancouver St., Burlingame; owner and contractor, Richard P. Minor, 1357 Columbus St., Burlingame.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
Aug. 10, 1931—LOT 10 BLK 31, Redwood Highlands. H. J. Petersen et al to whom it may concern. August 10, 1931	
Aug. 11, 1931—LOT 11 BLK 26, Millbrae Highlands. Ray Boulton to whom it may concern. August 10, 1931	
Aug. 11, 1931—LOT 12 BLK 3, Edgewood Park, San Mateo. Alma A McGee to whom it may concern. August 7, 1931	
Aug. 12, 1931—LOCATION NOT Given. Mrs B Thyle to Morris & Welnes. August 12, 1931	
Aug. 12, 1931—PART LOTS 3 AND 4 Blk 3, Blossom Heath Manor. Castle Bldg Co vs Henry Horn. July 10, 1931	
Aug. 13, 1931—LOTS 13 AND 14 BLK 11, Belmont. L D Howland to H H MacDonald. August 3, 1931	
Aug. 13, 1931—LOT 3 BLK 1, Lomita Park. Giovanni Guido to whom it may concern. Aug. 11, 1931	
Aug. 14, 1931—LOT 8 BLK 2, Woodside Glens. Annie H Rawlins to whom it may concern. Aug. 14, 1931	

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
Aug. 14, 1931—PART LOTS 1 AND 2 Blk 10, Millbrae Villa Tract. E C Peterson vs William R McKnight et al. \$240	
Aug. 14, 1931—LOT 8 BLK 18, Easton. Tilden Lumber Co vs R N Nobles et al. \$856.10	

RELEASE OF LIENS

SAN MATEO COUNTY

Recorder	Amount
Aug. 11, 1931—LOT 4 BLK 22, Lomita Park. Al Vigert to whom it may concern	

BUILDING PERMITS

STOCKTON

DWELLING and garage, brick veneer, \$5500; 1505 W Walnut St.; owner, Neil Johnson; contractor, C. H. Barton, 1014 N Wilson Way.
 DWELLING, 5-room, \$4700; 2422 Rincón Ave.; owner, R. H. Hubbard.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded	Accepted
Aug. 11, 1931—LOT 14 BLK 4, City Park Terrace, Stockton. George Rosend Zosa E Rosend to L D Thompson. August 10, 1931	
Aug. 11, 1931—LOT 12 BLK 4, City Park Terrace, Stockton. E T Parsons to whom it may concern. August 10, 1931	
Aug. 13, 1931—LOT 9 BLK 2, Lakeview. William Penstra to whom it may concern. August 10, 1931	
Aug. 12, 1931—LOTS 21 AND 22 BLK 8, North Stockton. A C Dohm to whom it may concern. August 11, 1931	
Aug. 15, 1931—LOT 7 BLK 20, Tuxedo Park Subdv No. 2, Stockton. F P Dobson to whom it may concern. August 10, 1931	
Aug. 15, 1931—LOT 2 BLK 4, Lakeview. F P Dobson to whom it may concern. August 14, 1931	

BUILDING PERMITS

MARTINEZ

BUILDING, brick, steel and cement, \$6000; Green and Las Juntas Sts., Martinez; owner, Andy McMahon, Martinez; architect, O. K. Smith, Martinez; contractor, Martinez Constr. Co., Martinez.

COMPLETION NOTICES

MARIN COUNTY

Recorded	Accepted
Aug. 11, 1931—SAN ANSELMO Mary Laverton to E L Whison. August 10, 1931	
Aug. 12, 1931—MILL VALLEY. Ida E Thompson to Melvin Klyce. August 8, 1931	

LIENS FILED

MARIN COUNTY

Recorded	Amount
Aug. 11, 1931—FAIRFAX. Leibert & Trobeck vs Angelina Simonini and G Giorgi et al. \$13.25	
Aug. 15, 1931—FAIRFAX HEIGHTS Tamalpais Electric Co vs Angelina Simonini et al. \$294.66	
Aug. 15, 1931—FAIRFAX HEIGHTS San Anselmo Lumber Co vs Angelina Simonini; G Giorgi and H F Martin. \$73.46	

COMPLETION NOTICES

SONOMA COUNTY

Recorded	Accepted
Aug. 12, 1931—ONE ACRE, near city of Cloverdale. Annie Amberg to whom it may concern. Aug. 3, 1931	
Aug. 12, 1931—LOT 4 BLK 21, city of Healdsburg. Walter D Padfield to Marion Johnson. August 8, 1931	

LIENS FILED

SONOMA COUNTY

Recorded	Amount
Aug. 14, 1931—ONE ACRE in Freestone Road, West of Sebastopol. H M Weeks, Weeks Hardware Co, \$24.00; P M Weeks, \$5.00; J R Welch, Welch Bros, \$299.86 vs K Ome, J P Kome, W M Hume, S B Robinson, Earl C Hammond trustees	

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded Accepted
Aug. 19, 1931—LOT 2 BLK 2, Pills-
burg Home Acres, George Lynn
to Community Builders—Aug. 19, 1931

BUILDING PERMITS

SACRAMENTO

RESIDENCE, 6-room and garage, \$:
2535 Coleman Way; owner, George
Laurence, 4948 10th Ave.; contrac-
tor, Laurence & McCarthy.
RESIDENCE, 5-room and garage, \$4-
500; 1800 Castro Way; owner, B. L.
Zacher, Woodland; contractor, P.
Ondyko, Los Angeles.
REPAIRS, general, \$1000; 2248 Portia
Way; owner, W. H. James, prem-
ises; contractor, F. Maloney, 3172
T St.
RESIDENCE, 6-room and garage, \$6-
000; 3513 McKinley Blvd.; owner
and builder, F. Stuckert, 1216 18th
Street.
RESIDENCE, 6-room and garage, \$5-
000; 2511 Coleman Way; owner and
builder, E. Long, 717 30th St.
ADD to flat, \$2000; No. 1614 9th St.,
Sacramento; owner, A. Euerge,
Premises; contractor, E. Corum,
2665 Donner Way, Sacramento.
RESIDENCE, 5-room & garage, \$4425;
1610 11th Ave., Sacramento; own-
er, H. Jeffrey, 1612 Caramay Ave.,
Sacramento; contractor, E. Lee.
RESIDENCE and garage, \$4500; No.
2709 12th St., Sacramento; owner,
E. A. Corum, 2665 Donner Way,
Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Aug. 14, 1931—LOT 14, Parkside, W
P and Georgia A Scott to whom
it may concern.....Aug. 12, 1931
Aug. 14, 1931—LOT 37, Rigwood,
Joseph Pedone to whom it may
concern.....Aug. 12, 1931
Aug. 13, '31—GEORGIANA SLOUGH
Isleton Exten. Southern Pacific Co
to whom it may concern.....August 8, 1931
Aug. 12, 1931—LOT 145, Smith Tract
4, Pietro Plescia to whom it may
concern.....August 3, 1931

LIENS FILED

SACRAMENTO COUNTY

Recorded	Amount
Aug. 14, 1931—N ½ LOT 1, N ½ OF W ½ Lot 2, H I 20th and 21st Sts., F A McIntyre vs Matthews Con- struction Co; Anna Kuchler; Frank P and Anna Williams and Stand- ard Oil Co.....	\$288
Aug. 14, 1931—LOT 1 and N 30 ft. Lot 2, St. Francis Oaks. F A Mc- Intyre vs Matthews Constr Co; J W and Ann Owland; Bena Stuessy and F P and Anna Williams.....	\$255
Aug. 13, 1931—LOT 1 and N 30 ft lot 2, 21st and Florence Ave and 2nd Ave and Castro Way, St Francis Oaks, Diamond Match Co vs Mathews Const Co and Standard Oil Co, Frank P and Anna E Wil- liams, reputed owners.....	\$25.85
Aug. 13, 1931—N ½ LOT 1 and N ½ of W ½ Lot 2 H-I 20th and 21st Sts. The Diamond Match Co vs Mathews Const Co, Standard Oil Co, reputed owners, Anna Kuchler	\$9.19
Aug. 11, 1931—W ½ LOT 30, Coyle City Acres. The Diamond Match Co vs Chris Jones; Wilbur Brand; K-L and Ella Wycoff and C W and Marjorie Gambill.....	\$109.91

BUILDING PERMITS

FRESNO

ALTERATIONS and additions, \$2500;
No. 1829-31 Amador St., Fresno;
owner, M. P. Hansen, Premises.
ALTERATIONS and additions, \$1500;
No. 1407 Tulare St., Fresno; own-
er, Gae Kim Hong, Premises; con-
tractor, J. R. Church.
ALTERATIONS and additions, \$1950;
No. 846 Yale St., Fresno; owner,
Taylor-Wheeler, Inc., Power Co.
Bldg., Fresno.
DWELLING and garage, \$7000; No.
452 Terrace Ave., Fresno; owner,
Taylor-Wheeler, Inc., Power Co.
Bldg., Fresno.
DWELLING, \$2500; No. 1012 Carruth
Ave., Fresno; owner, Pete Vieth.
ALTERATIONS and additions, \$1500;
1916 Mariposa St., Fresno; owner,
D. Arakelian, Premises.
DWELLING and garage, \$4000; No.
429 Harvard Ave., Fresno; owner,
Taylor-Wheeler, Inc., Power Co.
Bldg., Fresno.

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Aug. 14, 1931—PART OF S ¼ OF
Section 15, 15-21, Fresno, A C
Kington to whom it may concern.....
August 8, 1931

LIENS FILED

FRESNO COUNTY

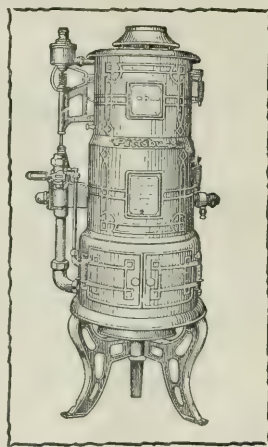
Recorded	Amount
Aug. 14, 1931—LOT 8 BLK 121, Sanger, Barrett-Hicks & Co vs W D Crutchfield et al.....	\$60
Aug. 15, 1931—LOT 15 BLK 3, High- land Park, Fresno. Evans Plumb- ing & Heating Co vs Annie Leh- man et al.....	\$174

F. S. Gypsum Company last Thurs-
day declared the regular quarterly
dividend of 40 cents on common and
\$1.75 on preferred, payable September
30 to stock of record September 15.
For the six months ended June 30 the
company reports consolidated net in-
come of \$2,241,560 after all charges, is
equal to \$1.62 a share. This compares
with net of \$2,891,750 in the first half
of 1930, equal to \$2.25 a share. Cur-
rent assets of \$18,572,107 and current
liabilities of \$1,622,736, as of June 30,
last, compared with \$16,621,617, as of
June 30, 1930. Earned surplus of \$29-
229,396, as of June 30, compared with
\$27,534,363 a year previous.

Waukesha Motor Co. with headquar-
ters in Waukesha, Wis., has estab-
lisher western sales offices at 116 New
Montgomery St. The product of the
company is heavy duty industrial, in-
ternal combustion engines for gaso-
line, natural gas, kerosene and diesel
fuels. Forty sizes and types of four
and six multiple cylinder engines
ranging from 20 to 350 hp. are built by
the company. The field of application
is in busses, trucks, locomotives, ag-
ricultural, building, contractors, oil
well drilling and logging machinery.
The company also has a line of sta-
tionary and marine engines. The
eight Western states are served from
the San Francisco office which is in
charge of H. Wirshing as manager.

Three plumbing inspectors of a staff
of seven, have been dropped from the
payroll of the City of Oakland. This
will result in a saving of \$660 a
month.

E. A. Wright, connected with the
lumber industry in the Pacific North-
west for many years, will represent
the Washington Veneer Co. of Olym-
pia, Wash., and Peterman Mfg. Co.
of Tacoma, Wash., in Southern Cali-
fornia with headquarters in Los An-
geles. The companies make Douglas
fir plywood doors, mouldings, and
finish.



A "Pittsburg" Auto-
matic Water Heater
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indicates high quality
throughout.

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fied by all the leading ar-
chitects, plumbers and
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BUILDING *and* ENGINEERING NEWS

Publication Office
547 Mission Street

SAN FRANCISCO, CALIF., AUGUST 29, 1931

Published Every Saturday
Thirty-fifth Year, No. 35

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Published Every Saturday

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Thirty-fifth Year, No. 35

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must be sent in writing to this office.

SHORTAGE OF NEW BUILDINGS PROPHESED

A shortage of new construction is now "in the making" according to a study published recently in a business bulletin put out by the Cleveland Trust Company. The company made a study of building conditions in 50 large cities during the depression period of 1921 to determine whether there existed a shortage of construction and drew up a diagram showing conditions each year back to 1900. This diagram has been brought up to date and it shows that, in the years preceding 1921, there was a great shortage of building construction, but in the period just preceding the present depression, no such condition existed.

In the years before the war, the diagram shows, building construction varied but slightly from normal, but during the war and the years immediately following, the volume of building dropped to extremely low levels so that a large shortage developed, mounting in the aggregate to the equivalent of all the construction that would normally be completed in about two and a half years.

The pressure to make good that shortage was one of the stimulating forces that operated to lift business and industry out of that depression, the bulletin states.

Although the depression was at its worst in 1921, the volume of construction sharply increased that year and continued to advance until, in 1925, new construction was going forward at a rate fully 50 per cent above the computed normal. It then began to decline that continued until the volume for 1929 was slightly below normal. By that time the great accumulated shortage of the war and post-war period had been made up, but no important surplus had been created. According to this showing, the present depression came at a time when our building needs had been fully met.

Now a new shortage is in the making, the bulletin points out, for the volume of new construction in the 50 cities covered by the survey, which include in their populations one-fourth of all the people of the country, was only about one-half the normal amount. The prospects for 1931 are that not over one-third of the normal amount of building will be done.

PREVAILING WAGE AT SALINAS FILED

Complying with the request of Walter E. Garrison, state director of public works, the Salinas city council has forwarded prevailing wage scales in construction industry in that community as follows:

Tricklayers.....	\$12.00
Plasterers.....	12.00
Plumbers, electricians, etc.....	10.00
Carpenters, Hodcarriers.....	9.00
Concrete workers.....	6.00
Laborers.....	5.10

BIG DELEGATION FOR STATE EXCHANGE MEET

More than two hundred delegates, representing every branch of the construction industry, are expected to attend the convention of the California State Builders' Exchange at San Luis Obispo on September 26.

Wm. T. Loesch of Pasadena, president of the state organization, who recently completed a ten-day tour of the Central and Northern sections of the state, reports that considerable interest in the meeting is developing due to recently adopted legislation affecting the construction industry.

"The enforcement of the contractors' license law, wage scales, bid peddling and prequalification of bidders are among topics suggested for discussion by many members of the industry whom I contacted during my recent pre-convention tour," says Loesch.

The convention program is being arranged by a committee appointed by the San Luis Obispo Builders' Exchange, which committee will work in conjunction with officers of the state organization.

IMPROVED CREDIT IN ELECTRICAL INDUSTRY

National Electric Credit Association's current report of delinquent accounts for the first 7 months of 1931 shows unprecedented decreases in number and amounts of delinquencies, reflects improved credit conditions among its 750 members, mostly electrical radio, and automotive manufacturers and wholesalers. The Business Week reports.

The number of delinquents reported from all sections of the country dropped 21.6%, from 9626 during a similar period in 1930 to only 7545 in 1931, with the Middle and Southern Atlantic states showing the largest decline 26.4%.

Total dollar value of all delinquent accounts dropped 44.1% for the entire country, the Middle and Southern Atlantic states showing the smallest decline, 40%, while New England states reduced their total the most, by 54.7%. Average value of all 1931 delinquent accounts reported was reduced 25% as compared with 1930.

Various factors have contributed to the drastic change. Bankruptcies or liquidations without process of law have removed many accounts that a year ago swelled delinquency lists in numbers and amounts.

Some members now sell goods on regular 3- and 4-month terms where previously the same accounts would have become delinquent in 60 days, find that on extended terms debtors more generally succeed in making payments when due. Similarly, where terms have been extended and the debtor is in arrears, ordinary methods such as collection letters or phone calls prove more effective.

HIGHWAY FINANCING IS PROFITABLE NOW

Expenditures on highways are profitable now because of the needs of the unemployed and the low cost of accomplishing needed road and street improvements, according to W. R. Smith, president of the American Road Builders' Association.

"Road building readily absorbs men engaged in all industries that are temporarily inactive. No special training is required for common labor on the roads and streets and, therefore, highway building is an ideal public work for the relief of unemployment. A man who is given a job does not lose his self-respect like one who is forced to accept charity.

"The recent statement of a representative of the American Society of Automotive Engineers that within a decade road speeds of 100 miles an hour are to be expected gives an idea of the additional burdens that are continually being placed on the highways. We may expect under such speed conditions express highways with marginal roads for slow traffic, much elimination of both highway and railroad grade crossings, and the relocation and widening of many highways to fit them to handle high speed traffic. The formula for highways, safe drivers plus safe vehicles plus safe roads equals safety, states the three elements that must be considered.

"Roads for the public can be built now at a much lower cost than in past years and it is highly improbable that the present conditions of depressed prices will continue indefinitely. The public can buy roads and streets now to advantage.

"The expansion of the highway program needed to bring roads and street facilities up to the standard of motor vehicle improvement will do much to stimulate business," he concluded.

Stockton Exchange Adds 14 New Members

Fourteen new memberships have been obtained in the Stockton Builders' Exchange, it is announced by J. M. Burke, secretary of the organization. The exchange has been conducting a drive for new members during the past few weeks.

Memberships have been granted to the Bright Spot Electric Co., J. P. Shepherd, Central Lumber Co., Frank Guyon, Con J. Franke, Tom Scally, J. C. Wells, W. G. Gaskill, Wellman Buck Sr., California Stucco Products Co., Robert Davidson, J. M. Helterbrand, Pioneer Trucking Co. and H. M. Moore.

A building material exhibit, featuring all types of materials and equipment used in building construction is nearing completion in the exchange quarters at 242 East Mfner Ave. and will be opened for public inspection shortly, Burke announces.

WAGE REVISIONS URGED BY S. F. BUILDERS' EXCHANGE TO FURTHER BUILDING CONSTRUCTION

Because the present business depression has caused a reduction in the price of all commodities and in labor in most lines of endeavor, directors of the San Francisco Builders' Exchange unanimously adopted a resolution yesterday calling upon the Impartial Wage Board of the Industrial Association of San Francisco to set up a new wage scale to become effective not later than October 1 and to remain in effect for the balance of the year. The wage determined, the resolution urges, should also prevail during the year 1932.

"The Impartial wage scale for the building trades of San Francisco and vicinity was adopted in the fall of 1928 to be effective April 1, 1929, and until such time as it became necessary to make a revision," says William H. George, president of the Builders' Exchange. "That time has arrived. Rents, the price of food stuffs and clothing have been very materially reduced, reducing materially the cost of living. A revision of wages in the building industry should be affected to bring the scale on a comparable stand with wages paid in other lines of business. Such a revision would stabilize the building industry and would assist in stimulating the confidence of the public in building investments."

BAN FACTORY SCALES

The resolution further sets forth that the Impartial Wage Board should not set wage scales in factories in the San Francisco district engaged in the manufacture of supplies for buildings, but confine itself to fixing wages in the building trades for mechanics and others employed on buildings, except in those instances where the factories of any craft may ask the board to set such wages.

The resolution as adopted by the San Francisco Builders' Exchange is published herewith:

RESOLUTION ADOPTED

WHEREAS, the Impartial wage scale for the building trades of San Francisco and vicinity was adopted in the fall of 1928 to be effective April 1, 1929, for the year 1929 and until such time as it became necessary to make a revision, and

WHEREAS, the present business depression has caused a reduction in the price of all commodities and in labor in most lines of endeavor, and that the time has come when it is necessary to make a revision in the building trades wage scale, and

WHEREAS, the prices of rents, the prices of food stuffs, the prices of clothing have been very materially reduced, reducing materially the cost of living, and

WHEREAS, there is such a great differential at the present time in the wages being actually paid in the various crafts of the building industry that a revision in the wage scale comparable with the wages paid in other lines of business would stabilize the building industry, and

WHEREAS, it is believed that a stabilizing of wages in the building industry at this time would do much to stimulate business in the building trades, encouraging necessary repairs to buildings and necessary construction of new buildings, thus reducing

unemployment in the building trades during the coming winter, and

WHEREAS, it is believed that if a just and equitable wage scale is established in San Francisco in the building and construction industry that it will be generally adopted throughout the State, resulting in a fair and reasonable price being paid for construction and building work, reducing the tax burden, as this class of improvements whether paid for through taxes or bond issues must finally be paid for by taxes, and

WHEREAS, it is absolutely essential at the present time that this result should be obtained for the protection of the farmer (after all the largest taxpayer) to whom taxes are now a heavy burden on account of the well known fact that at the present time the prices received by farmers



WM. H. GEORGE

for their products of all kinds have actually reached a point where there is no profit to the farmer.

NOW, THEREFORE BE IT RESOLVED, that the Board of Directors of the Builders' Exchange of San Francisco in regular meeting assembled on August 21, 1931, call upon the Industrial Association of San Francisco to at once call together and constitute an Impartial Wage Board, and

BE IT FURTHER RESOLVED, that this Impartial Wage Board shall sit immediately, receiving testimony both oral and written for a reasonable length of time, and then promulgate a wage scale for the building industry of San Francisco to become effective not later than October 1, 1931, and for the balance of the year 1931 and the year 1932.

AND BE IT FURTHER RESOLVED that inasmuch as the factories in San Francisco engaged in the manufacture of supplies for building not only supply buildings in San Francisco but also must compete against similar concerns outside of San Francisco not only for goods delivered on buildings in San Francisco, but also in other localities, that wages in such factories

shall not be fixed by the Impartial Wage Board, the Impartial Wage Board confining itself to fixing wages in the building trades for mechanics and others employed on the buildings except in the case where the factories of any craft may ask the Wage Board to set the wages.

TEXAS PLANNING TO LIFT BURDEN OF HOME OWNER

Texas will become a state of home owners if a constitutional amendment to be submitted to the voters works up as planned.

The Texas legislature has started what it believes the most constructive effort ever made by any state to encourage home ownership—a move to relieve homesteads of state taxation up to \$3000 valuation.

That the amendment will be adopted is regarded as certain by its sponsors. It will be submitted at the general election in 1932 and would go into effect in 1935. The ballots of women voters are expected to give it a sizeable majority.

Since real property is assessed for taxation at from 40 to 60 per cent of its actual value, the \$3000 exemption in most instances would really cover \$5000 or \$6000 of actual value.

The maximum state rate is 77 cents per \$100 valuation. Estimating the average year's tax rate at 70 cents, the exemption would result in a saving of \$21 for each home owner.

Frank Putnam of Houston, prohibition repeal candidate for governor in the last election, was an ardent advocate of the plan. He contended that releasing home owners from state taxation would arouse the desire of citizens to own homes, increase prosperity by accelerating activity in the building trades, and add to the general welfare by making home ownership a pleasure instead of a burden.

Leaders in the exemption campaign declare Texas' abundant natural resources and other fields of revenue could well afford to carry the load now shouldered by small home owners.

HOUSING EXHIBIT FOR CHICAGO FAIR

A housing exhibit is being planned as a feature of the Chicago World's Fair in 1933, illustrating a century of progress. Its purpose will be to demonstrate how modern and attractive homes and apartments may be provided at a cost within the reach of families of the most moderate circumstances.

The exhibit will contain eight residences, an apartment building exhibit hall, garages and a model fire station. The ground surrounding the buildings will be beautified with lawns, parks and gardens. Many different types of housing conditions will be demonstrated with the current solution for each.

An opportunity will be afforded in the exhibit to illustrate the advantages and benefits of good architecture and planning, to show different types and systems of construction and to show the wide range of available building materials and appliances.

THE OBSERVER

What He Hears and Sees on His Rounds

Demands for unemployments relief are made of the San Joaquin county board of supervisors by a committee on the Stockton Unemployed Council, headed by Mrs. Ruth Bayse, chairman. J. W. Stuckenbruck told the committee that there was no body in San Joaquin County with the power to meet their demands.

The demands follow:

1. No evictions or cut-offs for non-payment of rent, gas, electricity or water bills.
2. Creation of a \$2,000,000 fund for relief work with the administration of the funds in the hands of a non-aligned committee chosen by labor unions and workers' organizations.
3. All charity drives to be conducted by the committee.
4. For unemployed, \$12 a week for the head of the family and \$3 for each dependent.
5. No restrictions as to race, creed or length of residence in the county.

The average cost for constructing a school building in California has dropped from \$35,492 in the preceding fiscal year to \$33,662.

This decrease was revealed in a report by the State Division of School House Planning.

The division further reported that the total cost of plans approved for school buildings in the state for the past fiscal year will amount to approximately \$4,100,000.

"If the funds made available by the recent legislature for capital outlay in the various state teachers colleges and special schools are added to this amount, the expenditures will amount to \$5,416,000," the report concluded.

Congress may be asked to investigate charges that federal building contracts are being given to anti-union, wage-cutting contractors.

The charge is made in the current issue of "The Progressive" of which Sen. Robert M. La Follette, Jr., of Wisconsin, is president. The magazine says:

"The forthcoming Congressional session will perform a valuable public service if it will bring the facts to light. If it is true that the government's emergency construction program, created to alleviate distress among the unemployed, is being hogged by a group of privileged and influential anti-labor contractors, the people ought to know about it.

"Such a situation would constitute one of the most flagrant betrayals of the public confidence in the history of the administration."

The U. S. government of labor's cancellation service has had numerous strikes reported to it of workers on federal buildings who claimed they were paid less than the prevailing wages of the community.

The building public of California was saved \$27,654.17 by the State Department of Professional and Vocational Standards during the past fiscal year, it is announced by Colonel Carlos P. Huntington, director of the department which is charged with enforcement of the contractors license law. The saving was made as the result of settlements made of complaints filed with the department against contractors.

Unless the state department has taken up these claims, Colonel Huntington declared, it would have been

necessary for the claimants to have carried their cases into the courts at additional expense.

Attorney General C. A. Sorenson of Nebraska has ruled that a new law in that state places all lumber dealers subject to the orders of the state department of public works. Not only that, but contractors, county officials, municipal officials all come within the scope of the law. Material used in all public work is subject to inspection and rejection by the department of public works. This is what is known as the Fair Trades law, which was passed at the request of the state department of trade and commerce.

C. H. Purcell, California state highway engineer, can collect the \$5,000 a year salary as chief engineer of the toll bridge authority while still drawing \$10,000 a year as highway engineer. Such a procedure is legal, according to an opinion rendered by Attorney General U. S. Webb. The authority, charged with the construction of the San Francisco-Oakland bridge, is headed by Governor Rolph.

Kenneth M. Murchison, noted New York architect, in commenting upon the merits of the "Modern American Contractor" expresses his sympathy for the architect who attempts to put through a building operation by means of sub-contractors. He declares such architects are "really entitled to the pity and sympathy of their confreres."

"In the first place," he says, "few architects are properly set up for such a project. Architects' superintendents are not building superintendents and the building superintendents are not architect gets to carry out a sub-contract job is generally one of a crowd of floaters, which class of employees can get the architect into plenty of trouble.

"It does not seem natural that an architect can do the actual construction work for a client at a saving which might offset the general contractor's fee. Certain it is that the architect, when he lets himself in for this sort of thing, is doing nothing but hunting trouble. Has he an estimating department? Is he au courant with the prevailing prices on all sub-contracts? Has he any other jobs being done by the same sub-contractors, so that the sub-contractor may combine his superintendence and overhead on two jobs close to each other? Where is his transportation department? And who meets the general payroll each week?"

"The modern up-to-date American general contractor is entitled to the admiration of the architectural world for his capacity, his looking-forwardness and his faculty for administration."

The Bureau of Labor Statistics of the United States Department of Labor received in June and July reports as to volume of employment from 4,682 identical firms engaged in the building construction industry. These firms had in the 25 cities covered a combined employment of 55,029 for a pay period ending near July 15 as compared with 56,801 in June. This is a decrease of 3.1 per cent. The same firms had a combined payroll total for a week ending near July 15 of \$1,629,052 as compared with \$1,698,210 for a

like period in June. This is a decrease of 4.1 per cent.

San Francisco is one of the eight cities to report increases in building construction for the first seven months of this year over the same period of last year despite general declines.

In a survey made for the Associated Press by L. Seth Schmitman, chief statistician for the F. W. Dodge Corporation, San Francisco's construction awards for the 1931 period were given as \$14,505,200, as compared with \$13,635,800 for the 1930 period.

Oakland was among cities reporting \$5,000,000 or over in construction work the first seven months of this year.

Los Angeles dropped from \$45,554,500 to \$26,453,900 in a comparison between the periods.

"Proponents of wage reduction rarely let a week pass without new argument for the necessity, the justice, and what not of lower wage scales," says an editorial in Engineering News-Record. "The point on which the argument commonly rests is that the cost of living—by somebody's calculation, table or index number—has gone down. In their zeal to drag labor's compensation into the all-too-far-extended price slump, these arguers seem quite willing to add bacon and flour and cotton prices, or what not, and interpret the sum as a wage scale. They overlook the fallacy of such computation. They blithely ignore the fact that the whole story of the last two decades is woven of the extension of popular consumption beyond the range of mere food and housing. Industry lives on the fact that workman and farmer buy goods of rayon, and own radios and automobiles, or at least phonographs and cameras or bicycles; and no scale of "living cost" that regards the average worker as existing on the level of a grubstaked share-cropper can possibly have any bearing on the revival of industries—or utilities, for that matter. Our economic arithmetic has to be broadened beyond this view if it is to be other than anachronism."

A. M. Byers Co., Pittsburgh, Pa., has taken a six months' option to purchase the Canonsburg Steel & Iron Works, Canonsburg, Pa., which has an annual capacity of 38,000 tons of black sheets and 16,000 tons of galvanized sheets. These facilities, it is understood, will be used experimentally in the production of wrought iron sheets.

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa., has announced the following appointments in its sales organization: T. J. Pace, assistant to vice-president, in charge of general market planning and research analysis; M. B. Lambert, sales manager in charge of transportation department; O. F. Stroman, sales manager in charge of industrial department; R. A. Neal, sales manager in charge of central station department; T. R. Langan, northeastern district manager, with headquarters in New York City.

Jacob Corlison, 70, retired surveyor and engineer and former member of the firm of Sanborn, Corlison & Clift, died at the French Hospital last Tuesday. Death was due to heart trouble. He was a native of San Francisco and is survived by two daughters, Mrs. Irwin Lindenbaum and Mrs. Irving Wendroff.

George Cornell White, 62, a civic engineer, died at Auburn, Calif., Aug. 19 following an operation for appendicitis. White had been engaged on a highway project near Auburn.

HERE—THERE EVERYWHERE

Contracts for 15,000 miles of copper wire and 200 miles of brass pipe and other copper and brass products have been let for Radio City, New York's proposed amusement center. Anacosta Wire & Cable Company has received the contract for 7,800,000 feet of wire.

The Lehigh Portland Cement Company adds protest to those of other shippers against the proposed 15 per cent increase in railroad freight rates. F. E. Paulson, Allentown, Pa., vice-president, declares the increase would divert cement traffic to trucks and water routes. He said there already was keen competition between railroads and trucks, and higher rates would cut into the carriers' tonnage at a time when increased traffic was essential.

John F. Nugent, San Jose plumber, was fined \$25 in the police court at Willow Glen, Santa Clara county, last Wednesday for violation of the city plumbing ordinance. Judgment was suspended on condition that he take out a state and city plumbing license.

C. C. Williams, former secretary-manager of the San Joaquin County Building Trades Council, will be a candidate for the office of city councilman of Stockton at the municipal election in October.

California State Federation of Labor will open its annual convention in Santa Barbara, September 14. Unemployed will be the most discussed topic, according to reports.

A delegation of gas appliance men have protested to Ossian E. Carr, Oakland city manager, against discharging inspectors in the plumbing department. Carr replied the measure was necessary for economy.

David T. Mason of Portland, Ore., has been appointed manager of the Western Pine Association. It is announced by President B. W. Lakin. The association embraces pine lumber manufacturers of California, Oregon, Arizona, Montana, Idaho and Washington.

The unification program of the American Institute of Architects and State Architectural Societies was approved by the Southern California Chapter, American Institute of Architects, at the regular monthly meeting of the chapter held August 18.

A San Jose architect, thus far unnamed, will prepare plans for San Jose's new post office, it is understood as the result of an announcement by the treasury department in Washington.

The San Jose post office job was announced as "an outside job," indicating that preparation of plans would not be done by a government architect. It was explained that it is established policy when an outside architect is to be selected that a competent architect is chosen in the community in which the post office is to be erected.

There is "no hurry" about the selection of an architect for the San Jose building since the site has not yet been selected, it was explained. The appointment of the architect will be made shortly after the site is chosen and it is definitely known how much

of the \$155,000 appropriation will remain for the structure.

A joint appeal to save 30 Oakland men and women from dismissal from their jobs with the Western Pipe & Steel Company because they are not residents of San Francisco is made to San Francisco authorities and civic leaders by Ossian E. Carr, Oakland city manager and the Oakland Chamber of Commerce.

Carr and the chamber acted on information that the employees, who have been affiliated with the company for periods ranging from eight to 20 years, are to be discharged in compliance with a clause in the contract the company holds for pipe line for the Hetch Hetchy project, specifying that all workers on the job must be residents of San Francisco.

"Official statements from Washington about the public-building program are discouraging," says Engineering News-Record. "A total of \$300,000,000 of contracts for public buildings will have been let by fall, say the government spokesmen. The fact is that most of the amount has already been let, and adding the remainder will contribute only a small item to the volume of employment. In view of the great amount of idleness that is likely to be with us next winter and the severe distress it is sure to entail because of the fact that millions of workers have been without income for a long time, the rate of progress in getting work going on public buildings is desperately slow. Under the circumstances the administration is either cold-blooded or childishly naive in citing the public-building work as a factor in coping with the emergency that confronts the country. If public works are to be made of any real service in relieving the winter's threat, they must be increased in vastly larger proportion than anything yet proposed by the government, and they must be pushed forward with an energy and an intelligent proportion to the seriousness of the situation. All the indications are that our powerful national machinery is to be left unutilized in fighting the aftermath of the depression. This is anything but an encouraging prospect."

Application has been filed with the State Department of Public Works, Division of Water Rights, by the California Municipal Water Supply Company, Ltd., for a permit to appropriate waters in Mono county in connection with a project involving an expenditure of \$40,000,000. The application was filed by Henry W. Coll, general counsel for the corporation. Coll, according to water rights experts, is associated with activities of the Southern Sierra Power Company. At the State division of water resources it was announced that the city of Los Angeles filed several years ago on waters in Mono county adjacent to the new project. The city applications are still pending.

The Delton bridge, Sauk County, Wisconsin, constructed from plans by the Wisconsin State Highway Commission, last Friday was decorated by the American Institute of Steel Construction with bronze plaques as the most beautiful small steel bridge erected during the past year. The Delton bridge is 218 feet 10 inches long and carries a roadway 27 feet wide, yet it cost but \$54,000 to erect. It was judged to be the most beautiful small bridge erected in 1930. Of the larger and more expensive spans erected during the past year, the bascule bridge carrying Wabash Avenue in Chicago was judged the most beautiful.

Dow, Jones & Co. says the question of wage rates is occupying almost the undivided attention of leading steel authorities at present and there is a likelihood that an announcement of a reduction of 10 to 15 per cent may be made "in the not distant future."

"While some interests in the industry still hope to be able to avoid making a cut in wages," Dow, Jones says, "there is a growing feeling that economic conditions will necessitate the action. This would bear out the contention of those who have been arguing for several months that a general reduction in wages is needed to bring costs down to a point where the leading companies can make some kind of a showing in net on the amount of gross business transacted."

"Announcement of a wage reduction," Dow, Jones continues, "would be interpreted by many as indicating that the steel authorities do not see prospects of improvement sufficient to warrant the maintenance of wage rates during the coming winter. Had the outlook for the fall been more favorable than is indicated at present, it is likely that the question of wages would not have assumed such importance as it has in the past week or ten days."

The Metropolitan Water District in Southern California on September 29 will vote on a proposal to issue bonds of \$220,000,000 to finance construction of the Colorado River Aqueduct.

The Central Labor Council has petitioned the directors of the district to adopt the following policy on construction:

(1) That union labor conditions should apply throughout the entire operation.

(2) That the union wage scale for all crafts should be paid to such crafts when employed.

(3) That the board should itself directly maintain the camp and boarding facilities.

(4) That the head of the personnel or employment division, be selected by organized labor.

That all work be done by force account rather than by contract.

(6) That the board in all matters pertaining to labor relations deal only with an authorized committee representing the labor movement.

A new floodlight, designated as Type AL-33B, has been introduced by the General Electric Company for swimming pool and other underwater applications. Superseding the Type L-33 unit, the new projector has a more efficient optical system, permits a wide variety of mountings, and can be inserted or withdrawn from swimming pool niches by means of brackets for servicing. Lamps of 400 watts can be used, although the standard 250-watt floodlight lamp is the recommended one. The projectors are of cast aluminum, with either side or bottom outlet for the conduit, depending on the application requirements.

Twenty-one delegates from various sections of the state attended the quarterly meeting of the California Master Plasterers' Association at the Sainte Claire Hotel in San Jose last Saturday night. State Commissioner Earl Daniels and President Matt Summers, of the association, were the principal speakers.

Selection of the proper type of sling chains for various uses is facilitated by an illustrated chart prepared by the Newhall Chain Forge and Tool Co., 9 Park Place, New York City. Numbered illustrations show many types of completed slings, as well as end rings, links, hooks, connecting links and other parts.

LESS BUILDING SHOULD CREATE BETTER PROFITS

More careful supervision of a smaller amount of work will give building contractors a better chance for profitable operation during 1931, according to Frank S. Bache of White Plains, New York, a national director of the Associated General Contractors of America and chairman of the board of directors of the Building Trades Employers' Association of Western Connecticut, New York. The emphasis which has been placed in the past on the necessity for securing a large volume of business has been a mistaken one, Bache states, because the competition engendered by this desire has become so great that there has been little profit made in building construction.

Another unfortunate result of too great an expansion of business has been that many firms have gone beyond the limits of their organizations and have undertaken work which they were not competent to perform, Bache points out.

For all these reasons, he states, the reduced volume of business during 1930 has worked for the better health of the building industry, and it is to be hoped that in 1931 the increasing volume of construction will be more equitably distributed. It will go to concerns competent to perform the work on a basis which will show some profit to the construction industry and a better quality of work and service to the owner, he believes.

Minneapolis Seeks Competitive Bidding On Public Works Jobs

The practice of constructing public works in the city of Minneapolis without competitive bidding is condemned by the Minneapolis Survey Commission which was appointed in 1929 and has just made public its report.

The report states in regard to construction: "The present practice of the city of constructing public works without competitive bidding, being in violation of the basic principles of good purchasing, should be amended to provide full and free competition. This recommendation does not necessarily involve the relative merits of the contract or day labor system."

In addition, the commission has recommended that serious consideration be given to the establishment of a board of public works "to function in an advisory, analytical, correlating inspection and control capacity for all public works." The membership of this board would include two experienced engineers, an architect, a building contractor and a financier.

An act of the legislature would be required to put this latter recommendation into effect, but the first would not require any such act. The president of the Minneapolis city council has promised to give full consideration to every proposal which does not require an amendment to the city charter or legislation to make it effective.

A series of 26 alphabetical advertisements of the semi-humorous type prepared by the department of information of the American Water Works & Electric Co., for use in the newspaper advertising of its subsidiary waterworks companies is reproduced in a booklet "When You Drink That Smile," which may be obtained from the American Water Works & Electric Co., Inc., 50 Broad St., New York City.

WAGE SCALE AT SANTA ANA APPROVED

The Santa Ana, Cal., Board of Education has adopted the following wage scales which will govern in all construction undertaken by that body, the rate cited being for an eight-hour day, holiday and overtime to be paid at the rate of one and one-half times the rate specified:

Bricklayers	\$8.50
Bricklayers' helpers	6.00
Cement finishers	7.25
Cement finishers' helpers	4.00
Electricians	7.50
Electricians' helpers	4.00
Floor finishers	7.00
Laborers	3.60
Carpenters, rough	6.00
Carpenters, finish	7.00
Lathers	8.00
Painters	6.50
Plasterers	8.00
Plasterers' helpers	6.00
Hod carriers	6.00
Plumbers	8.50
Plumbers' helpers	4.00
Roofers	7.00
Sheet metal workers	8.00
Steam fitters	9.00
Tile setters	8.00
Tile setters' helpers	5.00

SACRAMENTO COUNTY SETS HIGHWAY WAGES

Wages to apply on all county road and highway projects have been set by the Sacramento county supervisors. It is announced by C. W. Deterding, Jr., county engineer.

Classifications and wages per diem set out follow:

Common labor	\$4.00
Tractor driver	5.00
Carpenter (repair man)	6.00
Truck driver (under 2500 lbs.)	5.00
Truck driver (2500 to 15,500 lbs.)	5.50
Truck driver (over 15,500 lbs.)	6.50
Power shovel or crane operator	10.00
Fireman	6.00
Oiler	5.50
Pitman	5.50
Grader operator	6.00
Roller operator	8.00
Blacksmith (repair man)	5.00

Supervisors said that changes would be made in the scales from time to time and that other classifications might be added.

ROAD WORK WAGE SCALE AT RIVERSIDE

The Riverside county supervisors in issuing a call for bids to improve a roadway cited the following per diem scale of wages to be paid on the project:

Unskilled labor	\$3.50
Grade foremen	7.00
Teamsters	4.00
Grade operators	5.00
Roller operators	8.00
Tractor drivers	5.00
Truck drivers	5.00
Culvert pipe layers	3.50

Time and a half to be paid on Sundays and holidays.

National Electric Products Corp., with headquarters in Pittsburgh, Pa., has established a Pacific Coast branch at 400 Potrero avenue, carrying a complete stock of electrical supplies known generally as "roughing-in" material such as wires, cables, steel conduit, switch boxes, etc. The stock will be brought out from Pittsburgh to San Francisco and distributed from here to the Coast States. Sales offices, without stock, are established in Seattle and Los Angeles. H. J. Newton is Pacific Coast manager for the company.

ENGINEERING SOCIETIES EMPLOYMENT SERVICE

Further information regarding positions listed in this column is obtainable from Newton D. Cook, Room 715, 87 Post Street, San Francisco. (Phone SUtter 1684).

R-3637-S-HYDRAULIC ENGINEER, competent to design deep well turbine centrifugal pumps. Must be up-to-date in theory and practice as position requires a chief engineer. Apply by letter with experience and salary expected. Location, Northern California.

R-3641-S-ENGINEER, preferably mechanical graduate, with good knowledge of machine design, shop experience and ability to handle men, for work on water well drilling rigs. Salary about \$200 mo. to start. Apply by letter. Location, Northern California.

R-3598-S-CHIEF DRAFTSMAN, mechanical engineer with at least five years' experience in the employ of a company manufacturing conveying machinery as designer or engineer. Production experience in this line absolutely essential. Salary depends upon experience. Apply by letter with details and salary expected. Location, San Francisco.

W-3039-C-S (R-380)-CHIEF CHEMIST for sugar plant, to take charge of field and factory laboratory. Man experienced in agricultural chemistry as well as plant control preferred. Salary, \$300 a month and board and transportation. Apply only by letter. Location, South America. Headquarters, New York.

R-3639-S-SALES MANAGER, preferably experienced in the internal combustion engine field, to become associated with a new company in the promotion of mechanical device with very wide application to prime movers. Would have to start on commission but might work into a permanent position. Location, San Francisco.

R-3628-S-INDUSTRIAL ENGINEER, technical graduate, 30-40 years of age, with a good record of industrial manufacturing experience, part of which must have been in executive capacity. Must be qualified to make industrial surveys, establish wage incentive payment plans and increase operating efficiency. Salary, \$3600-5000 a year. Apply by letter with photo. Location, San Francisco.

NEW YORK WANTS FASTER ELEVATORS

Removal of the speed limit for elevators and authorization of double-deckers to make 100-story skyscrapers practical are included in the draft of the new building code for New York City which is now being drawn up.

Bassett Jones, chairman of the subcommittee in charge of the work of the new code, stated that the proposed changes represent a new conception of vertical transportation.

In addition to removing the present 700-feet-per-minute speed limit, the committee recommends operation of two-car elevators, discharging and receiving passengers on two floors at once and the use of two separate lifts in one shaft for local and express stops. Automatic safety device, such as are used on subway trains, are advised.

Practical suggestions for the design and maintenance of conveyor and elevator belts are given in great detail in a 40-page illustrated book, "Belt Practice," published by the Diamond Rubber Co., Inc., Akron, Ohio.

N. W. MASTER PAINTERS ELECT

W. J. Parker of Tacoma was elected president of the Northwest Master Painters' Association at the annual convention of that body held in Astoria, Ore., last week. Other officers are E. E. Peterson, Portland, first vice-president; James Chrysler, Seattle, second vice-president; C. A. Braden, Forest Grove, secretary and treasurer; and A. P. Nielsen, Seattle, member of the international executive board.

Besides the regular business of the convention a special interest was shown in the unemployment situation with the result that a resolution was adopted calling on President Hoover to take every possible step toward halting the downward movement of wages and to endeavor to stabilize conditions and public opinion so that business would no longer be hampered by hoarding of money in fear of further depression losses.

BUILDING AND LOAN FIRM IN BANKRUPTCY

The United Building & Loan Association whose affairs were taken over two weeks ago by the state building and loan commissioner, has filed a voluntary petition in bankruptcy in United States District Court at Los Angeles.

Its board of directors authorized the move. Assets of the association are listed at \$2,368,731.69 with the same amount of liabilities. Bills payable, which the association is unable to meet, total \$74,741.74.

H. L. Callahan, building and loan commissioner, said he would intervene in the bankruptcy action on behalf of the depositors.

PLASTERER'S WILL FILED AT SACRAMENTO

Timothy J. Pennish, retired Sacramento plastering contractor who died last December, left an estate valued at \$56,049.64. The inventory and appraisal of Pennish's estate was filed in the superior court at Sacramento last Thursday.

Pennish had \$46,449.64 in cash at the time of his death with his real estate holding at Sacramento valued at \$5,600. He held reclamation bonds valued at \$4,000.

Pennish at one time served as a member of the old city board of trustees of Sacramento.

OREGON FEDERATION OF LABOR MEET SET

How to solve unemployment will be the prevailing question at the 29th annual convention of the Oregon State Federation of Labor, to meet in Salem for four days beginning Sept. 14.

At least one-tenth of the population of Oregon are suffering because of unemployment, according to figures cited by Ben T. Osborne, executive secretary of the federation.

Osborne said there are from 35,000 to 40,000 without jobs in the state.

In addition to unemployment, the 200 delegates from every city in Oregon will devise ways and means to further the state federation's legislative program, which includes abolishing injunctions in labor disputes, ratifying the federal child labor amendment to the constitution, equity in workmen's compensation laws, and government aid in establishing wage scales.

4 INCHES OF LAND AWARDED ARCHITECT

Ernest L. Norberg, San Francisco architect, now owns four inches of Burlingame's City Hall, with the reversal by the Supreme Court of Superior Judge George H. Buck's 1927 decision in favor of the city in the battle over titles to a strip of creek property running parallel to municipal home. The city council was so informed by City Attorney John F. Davis, who advised against further appeals by the city.

The architect bought the 25-foot strip of land adjacent to the City Hall five years ago for the purpose of erecting an office building, and when he had surveys made he announced that the City Hall encroached on his land. After numerous sessions of measuring legal expressions of opinion, it was found that the eaves and cornices projected over Norberg's property. When the matter was taken into court Judge Buck ruled in the city's favor.

The city fathers decided to negotiate with Norberg for the four inches.

New Concrete House Escapes Standardization

Latest attempt to put small house construction on a real production basis is the all-concrete design developed by A. O. Olmstead, Rye, N. Y., which is free from any restriction of standardized design and costly equipment, retains the adaptability and convenience of ordinary house-building methods, says The Business Week.

Essential features are pre-cast concrete studs in which nailing strips are set; light wooden outer forms made in panels a foot-high; inner forms of insulating wallboard; horizontal reinforcing ties in the walls; tile or parnibbed floors.

With the precast studs in place, a light wooden form is placed on the outside, insulating wall board on the inside and the space between filled with concrete. The wallboard is trough-shaped, dropping back between the studs to provide an air space between the exterior wall and the plastered surface. This allows room for piping and wiring and aids in insulating the house.

Exterior walls may be finished with stone, brick veneer, stucco or any desired material.

On the first house built to this design Olmstead estimated the cost for materials at not more than 3c per square foot in excess of wood frame construction, adds that where local sand and gravel are cheaply available the cost difference might be reversed.

age prices for 1926 as 100.0, was 70.0 for July, being no change from the June figure. When compared with July, 1930, having an index of 84.0, a decrease of 16.2-3 per cent has been recorded. Lumber, brick, cement, paint materials and other building materials continued to move downward in July. No change was reported for structural steel. A decrease of more than 2 per cent is shown for the group as a whole. Both furniture and furnishings in the group of house furnishing goods continued to move downward in the month.

Unfilled orders at 167 West Coast mills on August 1 totaled 295,556,000 ft. which was 21 per cent of the gross stocks on hand at the same mills.

PLUMBING FIXTURE SALES ON INCREASE

Something more substantial than predictions about the return of business being just around the corner is found in the upward swing in the sales curve of plumbing fixtures during the last four months.

Whereas, during March, April, May and June in 1930, the sales curve swung steadily downward, during the same months this year the curve pointed upward, according to the Plumbing and Heating Industries Bureau (Chicago), the national trade association of manufacturers, wholesalers and contractors in these two industries.

For instance, the new orders of vitreous china, plumbing fixtures, of the regular selection type, increased from 64,260 in March, 1931, to 136,285 in June, 1931, in contrast to a decrease from 170,325 in March, 1930, to 128,991 in June, 1930. Thus the net orders in June, 1931, exceeded the net orders in June, 1930, and were more than double the net orders for March, 1931. These statistics are based on the Department of Commerce tabulations issued August 3.

POINTERS ON THE BRACING OF BUILDINGS

How to take the bulge out of a granary wall or the sag out of a roof, and how to straighten a leaning barn is told in Leaflet 77-L, Bracing Farm Buildings, just issued by the U. S. Department of Agriculture.

The leaflet explains how to brace farm buildings so they will not lean, sag, or bulge and also how to right such conditions when they occur in old buildings. The publication is by Geo. W. Trayer, Forest Service engineer and M. C. Betts, architect in the Bureau of Agricultural Engineering.

The necessity for adequate foundations, the principles of bracing and their application are given in the leaflet. Types of bracing are mentioned which prevent swaybacked roofs, bulging walls and leaning structures. It suggests methods of anchoring wooden stave silos against heavy winds.

The leaflet points out that although it is possible to repair buildings which have changed from their original condition, it is much more economical to brace the buildings properly when they are being built. The leaflet will be of value to the man who is planning to build, and also to any farmer whose buildings are sagging or bulging.

Copies of Leaflet 77-L, Bracing Farm Buildings, may be obtained free by writing to the Office of Information U. S. Department of Agriculture, Washington, D. C.

STOCKTON TRADES NAME RELIEF GROUP

The Stockton Building Trades Council has appointed a committee for employment relief which is to cooperate with a similar committee recently appointed by the Central Labor committee. The members include J. P. Palmer, representative of the Painters' Union and president of the Building Trades Council, as chairman; C. C. Robbins, representative of the Plumbers' Association; H. Jones, painter representative; J. C. McBride, electrician representative, and C. C. Williams of the carpenters.

An industrial survey just completed by the Sacramento Chamber of Commerce shows that the Capital City has 328 factories and 104 wholesale and jobbing distributors. The survey was conducted under the direction of Jack N. Reid, manager of the field service and exhibit department of the chamber.

There was an increase of 5.9 per cent in the estimated cost of buildings for which permits were issued during the month of July, 1931, as compared with the month of June, 1931, according to reports received by the Bureau of Labor Statistics of the United States Department of Labor from 348 identical cities having a population of 25,000 or over. The usual trend between June and July is downward. There was a decrease of 17.5 per cent in the estimated cost of new residential buildings, but an increase of 28.8 per cent in the estimated cost of new non-residential buildings, comparing permits issued during these two months. Permits issued for all building operations during July total \$110,911,195. Dwelling units were provided for 7,844 families in the new buildings for which permits were issued during the month. This is a decrease of 17.4 per cent as compared with the number of dwelling units provided during June.

Comparing permits issued in 293 identical cities during July, 1931, and July, 1930, there was a decrease of 34.3 per cent in total construction; a decrease of 38.3 per cent in the estimated cost of new residential buildings; a decrease of 33.1 per cent in new non-residential buildings. The number of family dwelling units provided decreased 28.3 per cent.

California reported the second largest increase in building and loan assets and membership among all states in the nation during 1930, according to the official report made public through California Mutual Building and Loan Association.

Although in fifth rank in assets and membership, this state was second to New Jersey in growth of resources and to Ohio in number of savers during the past year.

Of the national net increase of 225,545 in building and loan clients, California contributed 162,416. This state's gain of \$128,000,000 in assets was in excess of 25 per cent of the total gain reported by all associations in the nation.

At the close of last year there were 11,777 building and loan associations operating in the United States and Hawaii. These associations have a total of 12,343,254 member savers and total assets \$8,828,611,925.

The new law, which recently became effective, provides greater safeguards to the investor than can be found in statutes of other states regulating this business.

The Bureau of Labor Statistics of the United States Department of Labor reports the July turnover rates for manufacturing as a whole and for 10 separate manufacturing industries. For industry as a whole, the July accession rate was 3.02. The total separation rate was 4.67. The highest accession rate for any of the industries for which separate figures are presented was shown by the boot and shoe industry at an accession rate of 7.16. Iron and steel had the lowest accession rate, 2.32. The highest quit rate, 2.27, was shown by the boot and shoe industry. Foundry and machine shops had the lowest quit rate, .63. The highest discharge rate, .53, occurred in the boot and shoe industry. The lowest discharge rate, .12, occurred in the iron and steel industry. The brick industry had the highest layoff rate, 7.90. The lowest layoff rate, .97, was registered by the men's clothing industry.

Rolland A. Vandergrift, state director of finance, announces that a selection will be made in the near future of the site for the \$1,000,000 insane hospital in Southern California.

OIL-BURNING WATER HEATER WILL BE MARKETING BY SILENT AUTOMATIC

The Silent Automatic Corporation of Detroit has brought out a new oil-burning water heater with capacity from 75 to 100 gallons of hot water per hour. Its construction combines the economy of the automatic storage water heater with the quick action of the flash type, the manufacturer claims. It comes in two sizes which are known as models 40 and 50.

This new water heater is sturdily built throughout and has a tank that is heavily insulated and enclosed in a steel jacket. The cone shaped combustion chamber has a nest of quick acting flash water tubes and this assembly provides unusually efficient operation with a minimum of fuel consumption. The walls of the water jacket are of heavy copper bearing and highly rust resisting flange steel.

The burner is installed within the heater with the rotating head extending through an opening in the center of a hearth of refractory material which encloses the bottom of the combustion chamber. A wiping type of wall flame is evenly distributed around the combustion chamber and burns at the base of the heat absorbing surfaces as well as against the conical wall of the water leg. The

rising hot gases also pass over and across the surfaces of the nest of water tubes which actions give an unusually efficient heating quality.

The heater is compact and self-contained. The water tank, burner and automatic controls are assembled in one unit and shipped complete from the factory, which makes the installation job very simple. Simplicity of construction makes all of the parts accessible. The burner and hearth may be removed together as a single unit and replaced when necessary.

Controls are of the latest automatic approved safety type. The special automatic draft stabilizer provides a constant draft in the firebox under all operating conditions.

Following are specifications of the model 50 heater: Overall height, 73 inches; overall width, 24 1/2 inches; size of water connections, one inch inlet and two inch outlet; storage capacity, 53 gallons; heating capacity 100 gallons. It has a 100 degree Fahrenheit temperature rise per hour. The model 30 is slightly smaller than the No. 50.

This new burner is adaptable for use in homes, clubs, hospitals, schools and in practically every building in which hot water is required.

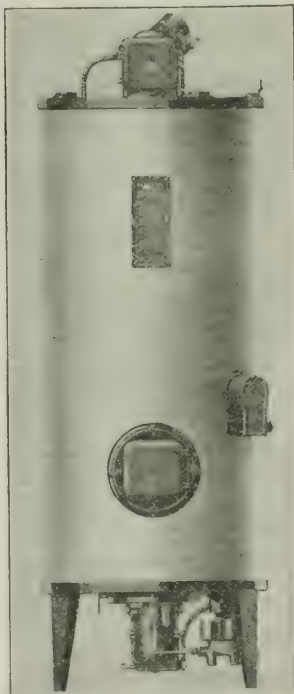


Fig. 1

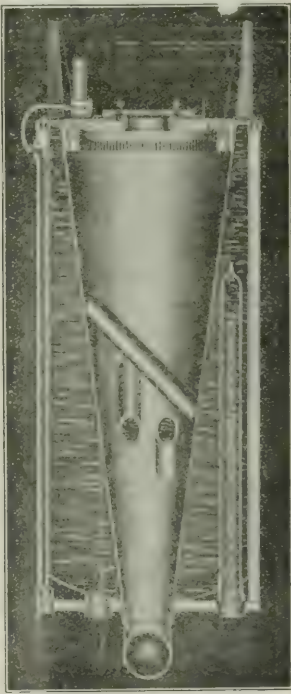


Fig. 2

Above: Fig. 1. Exterior view of the new water heater of the Silent Automatic Corporation. Fig. 2. Cross section view of the new water heater.

Building News Section

APARTMENTS

Preparing Working Drawings.
DUPLEX APTS. Cost, \$8,500
SAN JOSE, Santa Clara Co., Cal.
 Nangle near Park Ave.
 One-story frame and stucco duplex
 apartments (2-four room apart-
 ments, shingle roof, furnace, col-
 ored tile baths and kitchens).
 Owner—J. S. Mese, 65 Atlas Ave., San
 Jose.
 Architect—W. E. Higgins, Realty
 Bldg., San Jose.
 Bids will be taken in about two
 weeks.

Sub Contracts Awarded.
APARTMENTS Cost, \$30,000
SAN FRANCISCO. Buchanan and
 Waller Streets.
 Three-story and basement frame and
 stucco apartments (4 3-room and
 one 7-room apt.; tile roof, gas and
 steam heating system, etc.)
 Owner—C. McGowan, % Architect.
 Architect—Chas. Strothoff, 2274 15th
 St., San Francisco.
 Contractor—H. Meinberger, 343 4th
 St., San Francisco.
Plumbing—Scott Co., 243 Minna St.
Mill Work—Acme Planing Mill, 6th &
 Channel Streets.
Electric—Atlas Electric Corp., 343 4th
 Street.
Roofing—Malott & Peterson, 3221 20th
 Street.

Sub-Contracts Awarded.
APARTMENTS Cost, \$60,000
SAN FRANCISCO. NE Bay and Web-
 ster Streets.
 Three-story and basement frame and
 stucco apts. (13 rooms, steam
 heating system, oil burner, tile and
 composition roof, oak floors, can-
 vas walls, plaster exterior, elec-
 tric refrigeration).
 Owner and Builder—Grace Perego, 176
 Sutter St.
 Architect—H. C. Baumann, 251 Kearny
 Street.
Structural Steel—Golden Gate Iron
 Works, 1541 Howard St.
Electric—Aetna Electric Co., 1337
 Webster St.
Lumber—Christensen Lumber Co., 5th
 and Hooper Sts.
 Sub-bids are wanted on plumbing,
 heating, millwork, etc.

CHURCHES

Sub-Contracts Awarded.
CHURCH Contract price, \$9,855
CHICO, Butte Co., Cal.
 Two-story brick church building.
 Owner—Bidwell Memorial Church.
 Architect—Chas. F. Dean, California
 State Life Bldg., Sacramento.
 Contractor—A. Frederick Anderson,
 303 Olive Street, Chico, and 1093
 Longridge Road, Oakland.
Excavation—F. E. Whitlock, Chico.
Structural Steel—California Steel Co.,
 Hobart Bldg., San Francisco.
Roofing—Nash Roofing Co., Chico.
Painting—Wilcoxson & Wilson, Sacra-
 mento.
 General contractor desires figures on
 blackboards.

Additional Sub-Contracts Awarded.
BUILDING Cost, \$15,000
OAKLAND, Alameda Co., Cal. Lake-
 shore and Mandana Bldgs.

Two-story and basement frame and
 stucco building (tile roof, kitchen,
 hot air heating, oil burner).
 Owner—First Presbyterian Church,
 26th St. and Broadway, Oakland.
 Architect—Hardman and Russ, Berk-
 eley Bank Bldg., Berkeley.
 Contractor—A. Cedarborg, 1455 Excel-
 sior Ave., Fruitvale.
Electric Work—Ansel's Electric Co.,
 1401 Park St., Alameda.
Millwork, Sash and Doors—Lannom
 Bros., 5th and Magnolia, Oakland.
Roofing—N. Clark & Son, Pacific Ave.
 at 4th, Alameda.
Steel Sash—Fenestra Const. Co., 63rd
 and Doyle, Oakland.
Heating—W. H. Picard, 5656 College
 Ave., Oakland.
 Other sub-contracts reported Aug.
 6th.

Plans Being Figured.
MONASTERY Cost, \$200,000
SAN DIEGO, Cal. 5158-70 Hawley
 Blvd.
 Two and three-story reinforced con-
 crete monastery (160x200).
 Owner—Carmelite Sisters.
 Architect—Frank L. Hope, Bank of
 America Bldg., San Diego.

FACTORIES AND WARE- HOUSES

Preparing Preliminary Plans.
STORAGE PLANT Cost, \$200,000
SAN FRANCISCO. Bryant St., bet.
 Spear and Embarcadero.
 Two-story reinforced concrete storage
 plant (shop, storage rooms, garage).
 Owner—State of California.
 Engineer—Frank G. White, Ferry
 Bldg., San Francisco.

Contract Awarded.
CREAMERY Cont. price, \$12,668
SAN FRANCISCO. 18th and York Sts.
 (137x200 ft.)
 Construct cold storage rooms for two-
 story and basement class B con-
 crete creamery.
 Owner—Challenge Creamery and But-
 ter Assn., 307 Montgomery St.
 Architect—Dodge Riedy, Pacific Bldg.
 Contractor—Mundet Cork Corp., 440
 Brannan St.

SKILSAW Portable Electric Hand
 Saws (4 models).
SKILSAW Portable Electric Sander
SKILSAW Radial Arm Attach-
 ments.
SYNTRON Portable Electric Ham-
 mers (4 models, motor-
 less).
MALL Flexible Shaft Machines (50
 models).

Electric Drills, Grinders, Buffers,
 Routers, Lock Mortisers.

PETER H. NELSON

Labor Saving Portable Electric
 Tools.

1248 Mission St. UNDERHILL
 San Francisco 7682
 SALES . SERVICE . RENTALS

FLATS

To Be Done by Day's Work by Owner.
FLATS Cost, \$10,500
SAN FRANCISCO. S. Jefferson St. W
 Webster.
 Two-story and basement frame and
 stucco flats (2 flats).
 Owner and Builder—P. P. Johnson, 225
 Lincoln Way
 Plans by Owner.

Sub-Contracts Awarded.
FLATS Cost, \$11,000
SAN FRANCISCO. E Baker Street 75
 N Lombard St.
 Two-story and basement frame and
 stucco flats (two six-room flats;
 tile and composition roof, gas hot
 air furnace, electrically controlled,
 hardwood floors, tile baths and
 kitchens, electric refrigeration).
 Owner and Builder—Severin Steinauer,
 755 27th Avenue.
 Architect—R. R. Irvine, Call Bldg.
 Brick Work—Emil Hogberg, 249 Edge-
 wood.
Electrical Work—Richmond Elec. Co.,
 1370 40th Ave.
Heating and Sheet Metal—Atlas Heat-
 ing Co., 557 4th Street.
Iron Work—Patterson & Koster Iron
 Works, 280 13th Street.
Plumbing—Philip Wesendunk, 236 Cle-
 ment Street.
Stairs—Atlas Stair Building Co., 12
 Enterprise St.

Plans Being Figured.
FLATS Cost, \$13,000
SAN FRANCISCO. Twentieth Avenue
 and Geary Street.
 Two-story and basement frame and
 stucco flats (6 and 7 rooms; tile
 roof, gas and steam heating sys-
 tem, electric refrigeration).
 Owner—Withheld.
 Architect—Upton & Ralph, 110 Sutter
 Street.

Sub Bids Being Taken.
FLATS Cost, \$8500
SAN FRANCISCO. Webster St. near
 North Point St.
 Two-story and basement frame and
 stucco flats (2 6-room flats; gas
 and hot air heating; composition
 and tile roof).
 Owner—Temporarily Withheld.
 Architect—Not Given.
 Contractor—A. Lindgren, 64 Ramona
 St., San Francisco.

GARAGES AND SERVICE STATIONS

Contract Awarded.
SERVICE STATION Cost, \$4000
MT. VIEW, Santa Clara County, Cal.
 Castro and El Camino Real.
 Two-story frame and stucco service
 station (steel sash, tile roof, elec-
 tric wiring, plumbing, steel spiral
 stairs).
 Owner—T. Fanucci, Mt. View.
 Plans by E. Reichel, 303 University
 Ave., Palo Alto.
 Contractor—Gutschow Bros., Mt.
 View, Calif.

Contract Awarded
SERVICE STA. Total Cost, \$12,000
BERKELEY, Alameda Co., Cal. Tele-
 graph Ave. and Ashby.
 Masonry service station.
 Owner—Standard Oil Co., 225 Bush St.
 San Francisco.

Plans by Eng. Dept. of Owner.
Contractor—Lindgren & Swinerton, Inc.
235 Bush St., San Francisco.

GOVERNMENT WORK AND SUPPLIES

SACRAMENTO, Sacramento Co., Cal.—Alphon S. Blake & Hardy, Hatchmen, 1450 Harrison St., Oakland, at \$254 per ton submitted lowest bid to U. S. Engineer Office to furnish, deliver and place approximately 12,000 tons of rip-rap stone along the Sacramento River between the mouth of Lake Slough and Mayberry Slough. Only other bids were submitted by Healy-Thibault Construction Co., 64 Pine St., San Francisco, at \$272 per ton. Bids under advisement.

Plans Being Completed.

ALTERATIONS Cost, \$—
PEARL HARBOR, T. H. Naval Operating Base.

Alterations to refrigerating plant at Naval Operating Base (hospital) (Specification No. 6572).

Owner—U. S. Government.

Plans by Bureau of Yards and Docks, Navy Department, Washington, D. C.

The work consists of the removal of existing refrigerating and ice-making equipment and its replacement with a new automatic refrigerating unit consisting of motor-driven compressor, condenser, liquid receiver, safety devices, automatic control equipment, brine cooler, motor-driven brine pumps and a holdover tank. When available, plans and specifications may be obtained from the District Public Works Officer, Room 513, 100 Harrison Street, San Francisco, on deposit of a check or postal money order for \$10, payable to the Chief of Bureau of Yards and Docks.

SAN FRANCISCO—A. J. Ruhlman & Co., 444 Golden Gate Ave., submitted lowest bid to Construction Quartermaster, Fort Mason, to furnish and install window shades in 18 double sets of non-commissioned officers' quarters at the Presidio, San Francisco.

Following is complete list of bids:

A. J. Ruhlman & Co. (1) \$995.90, (2) \$712.77, (3) \$813.58.
D. N. & E. Walter, \$1,080.45.
W. & J. Sloan, \$1,290, (2) \$985.
Edwin Hauser (Standard Shade Co.), \$1,259.90.

Bids under advisement.

SUMAS, Wash.—John Bordot, Tacoma, Wash., at \$36,700 submitted low bid to U. S. Treasury Department to erect inspection station at Sumas. Weber & Gwinn, Seattle, next low at \$37,689.

SALT LAKE CITY, Utah—Alphon Custodio Chimney Const. Co., 140 S. Dearborn St., Chicago, submitted low bid of \$3780 to U. S. Veterans' Bureau, Washington, D. C., to erect radial brick chimney at Veterans' Hospital, Salt Lake City.

SACRAMENTO, Cal.—Until September 4, 3 P. M., under Order No. 3686-Sac. 110, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver, f. o. b., Sacramento:

4000 lbs. 60 per cent powder, suitable for blasting in water, as per specifications below.

12,000 lbs. 40 per cent powder, suitable for blasting in water, as per specifications below.

4000 lbs. 20 per cent stumping powder, suitable for blasting in water, as per specifications below.
The powder to be furnished shall be an explosive suitable for utilization in the prosecution of snagging and

under water blasting. An explosive of non-nitrocellulose formation is preferred. However, if bids are submitted on a powder of nitro-glycerine formation, any dynamite suitable for the purpose intended will be considered. This powder shall be furnished in 2 inch diameter cartridges.

Complete Preliminary Plans.

FEDERAL BLDG. Cost, \$1,000,000
PHOENIX, Arizona.

Six-story reinforced concrete and stone Federal Building.

Owner—U. S. Government.

Architect—Leacher & Mahoney, 1100

Title and Trust Bldg., Phoenix.

Plans will be submitted for approval Sept. 15.

Plumbing Contract Awarded.

REMODELING. Cost, price, \$3253
SAN FRANCISCO. Presidio.

Remodel Wards B-1 and L-1 Bldgs.

Nos. 3 and 17 at Letterman General

Hospital (brick construction, new

hardware, linoleum floors, plumbing,

nurses' call system, radio system,

considerable tile work).

Owner—United States Government.

Plans by Constructing Quartermaster,

Fort Mason.

Contractor—Frank J. Reilly, 6350 Ful-

ton St., San Francisco.

Plumbing—Frank J. Klimm Co., 456

Ellis St., San Francisco.

Contractor will do all other work.

To Begin Grading.

AIR BASE Cost approx. \$800,000

ALAMEDA, Alameda Co., Cal.

Group of buildings, etc.

Owner—United States Government.

Architect—Supervising Architect,

Washington, D. C.

Capt. Leander Larsen, in charge of

the project, expects to begin grading

August 26, with day labor. Grading

and temporary road work will involve

160 days' work. Before the expiration

of that time, however, it is expected

that bids will be asked on paving and

construction.

Work involves group of buildings,

comprising shops, warehouse, canteen

and barracks buildings, central

administration building and storage bldg.

grading, sewer pipes, electric lighting

system, pipe lines.

BOULDER CITY, Nevada—B. O.

Siegfus, Salt Lake City, awarded contract

at \$46,253 by the U. S. Bureau

of Reclamation for excavation for

basements and foundations of

the municipal building and construction

of the municipal administration and

dormitory buildings at Boulder City,

Nevada. Boulder Canyon Project. The

municipal building will be one story,

with basement, approximately 40x107

feet in size, with an L 42x32 feet in

size. The administration building will

be two stories, about 54x138 feet in

size, with full basement. The dormi-

tory building will be a one-story, U-

shaped structure, with a developed

length of 225 feet and a width of 35

feet. The walls will be of common

brick, stuccoed on the outside, and

roofs will be clay tile. Plumbing and

heating systems will be included in

the general contract. A portion of the

materials will be furnished by the

Government.

Completing Plans.

SANITARIUM Cost, \$125,000

TUCSON, Arizona. San Xavier Mis-

sion Reservation.

Four-story stone and concrete tuber-

culosis sanitarium.

Owner—United States Government.

Plans by Supervising Architect, Wash-

ington, D. C.

Mgr. of Const.—C. H. Shiveley, 2210 S

6th St., Tucson.

Plans will be ready for bids shortly.

SUNNYVALE, Santa Clara Co., Cal.

—In addition to those previously re-

ported, following are prospective bid-

ders to erect hangar at Sunnyvale

Dirigible Base, bids for which will be

opened by the Bureau of Yards and

Docks, Navy Department, Washing-

ton, D. C., on September 23:

Bannister Fields Co., 4101 Goodwin

Glendale.

Pozzo Const. Co., 421 Macy, Los An-

geles.

H. Mayson, 9315 S Hooper Ave., Los

Angeles.

Soule Steel Co., 1700 Army St., San

Francisco.

Johns-Manville Co., San Francisco.

Merritt, Chapman & Scott, San Pe-

dre.

Monson Bros., 475 6th St., San Fran-

cisco.

Pacific Coast Steel Co., 20th and D-

linols Sts., San Francisco.

Fire Protection Products Co., 1101

16th St., San Francisco.

Michel & Pfeffer Iron Works, Inc.,

Harrison and Tenth Sts., San Fran-

cisco.

General Electric Co., Russ Bldg.,

San Francisco.

R. P. Paoli Co., 3159 Fillmore St.,

San Francisco.

L. Quandt & Sons, 374 Guerrero St.,

San Francisco.

McClintic - Marshall Co., Matson

Bldg., San Francisco.

Kenneth L. Calburn, Inc.

Fred. F. Greenfield Co., 1118 G St.,

Sacramento.

Pacific Coast Eng. Co., Oakland.

Thos. Haverty, 316 E 8th St., Los

Angeles.

Atlas Electric & Eng. Co., 343 4th

St., San Francisco.

Joe Gerrick Co., 74 New Montgom-

ery St., San Francisco.

H. H. Robertson, 926 S Alameda,

Los Angeles.

Geo. Wagner, 181 South Park St.,

San Francisco.

Cahill Bros., 206 Sansome St., San

Francisco.

California Steel Prod., 452 Bay St.,

San Francisco.

Wellman Eng. Co., Cleveland.

R. E. Campbell, 108 W 6th St, Los

Angeles.

G. F. Campbell Bldg. Co., San Diego.

Lynch Const. Co., 730 Merrill, Los

Angeles.

L. Hecht, Russ Bldg. San Francisco.

Lynch Cannon Eng. Co., Chapman

Bldg., Los Angeles.

General Metal Corp., 485 California

St., San Francisco.

Union Machine Co., 934 Brannan St.,

San Francisco.

Hendy Iron Works, 200 Pine Street,

San Francisco.

Liberty Ornamental Iron & Wire Co.

21st and Filbert Sts., Oakland.

H. H. Walker, 1323 Venice Blvd. Los

Angeles.

Coast Engineering Co.

PANAMA CANAL ZONE—See "Res-

ervoirs and Dams" this issue. List-

ing of firms and individuals who have

secured plans on proposed Madden

Dam, bids for which will be opened

by the Panama Canal Commission

September 1.

Plans To Be Approved.

STORAGE BLDG. Cost, \$240,000

MARE ISLAND, Cal. Navy Yard.

One-story steel frame and reinforced

concrete battery storage building.

Owner—United States Government.

Architect—Bureau of Yards and Docks

Washington, D. C.

It is expected to call for bids in

about three weeks.

SUNNYVALE, Santa Clara Co., Cal.

—In addition to those previously re-

ported, following are prospective bid-

ders for grading and foundation work

in connection with the hangar for the

Dirigible Naval Base at Sunnyvale,

bids for which will be opened by the Bureau of Yards and Docks, Navy Department, Washington, D. C., on Sept. 23:

Orndorff Const. Co., 437 S Hill St., Los Angeles.
Shannahan Brothers.
Chas. Harlowe.
H. Mayson, 9315 S Hooper Ave., Los Angeles.
Frank Doran.
F. D. Turner, 212 Anita Road, Burlingame.
Ariss-Knapp Co., 961 41st St., Oakland.
Minton Co., 243 Hamilton Ave., Palo Alto.
LeRoy Bldg. Service, 163 Jessie St., San Francisco.
F. C. Amoroso & Co., Keith and Wallace Sts., San Francisco.
Guy F. Atkinson, Russ Bldg., San Francisco.
Geo. Pollock Co, Forum Bldg, Sacramento.
California Const. Co., Standard Oil Bldg., San Francisco.
Merriitt, Chapman & Scott, San Pedro.
Villadsen Bros., 417 Market Street, San Francisco.
Siems-Heimer Co., 206 Sansome St., San Francisco.
F. A. Snook & Co., 596 Clay St., San Francisco.
C. T. Stover.
Clyde W. Wood, Stockton.
Soule Steel Co., 1750 Army St., San Francisco.
Kenneth L. Calbury, Pasadena.
Fred F. Greenfield Co., 1118 G St., Sacramento.
Thos. Haverty, 316 E 8th St., Los Angeles.
J. H. Fitzmaurice, 354 Hobart St., Oakland.
Central California Roads Co., 2779 Poplar St., Oakland.
George Wagner, 181 S Park St., San Francisco.
Lewis Const. Co., 300 Santa Fe Ave., Los Angeles.
Hendy Iron Works, 200 Pine Street, San Francisco.
A. Guthrie & Co., Inc., 552 Sherlock Bldg., Portland, Ore.
E. A. Root, Los Angeles.
Delta Dredging Co., 30 S San Joaquin St., Stockton.
Cahill Bros., 206 Sansome St., San Francisco.
Raymond Concrete Pipe Co., 105 Sutter St., San Francisco.
R. E. Campbell, 108 W 6th St., Los Angeles.
Robert E. McKee, 1128 Central Bldg., Los Angeles.
R. H. Travers, 614 S St. Andrews Place, Los Angeles.
G. F. Campbell Bldg. Co., San Diego.
L. Hecht, Russ Bldg., San Francisco.
Lynch Cannon Eng. Co., Chapman Bldg., Los Angeles.
Jas. L. McLaughlin Co., 251 Kearny St., San Francisco.
General Metal Corp., 485 California St., San Francisco.
Pacific Coast Steel Co., 20th and Illinois Sts., San Francisco.
Pozzo Const. Co., 421 Macy St., Los Angeles.
S. F. Building Co., 3157 Fillmore St., San Francisco.
Liberty Ornamental Iron Co., 21st & Filbert Sts., Oakland.
Lee J. Immel, 1031 Evelyn St., Berkeley.
Chas. L. Harney, Call Bldg., S. F.
Porter Bros. Corp.
C. T. Malmum, Eugene, Ore.

Plans Being Figured—Bids Close September 21, 2:30 P. M.
ELECTRIC SYSTEM Cost, \$—
PALO ALTO, Santa Clara Co., Cal.
Revisions to electric distribution system and removal and sale of old single, two and three conductor No. 6 500-volt rubber and lead-

covered cable and No. 6 single conductor weatherproof copper wire.

Owner—U. S. Government.

Plans by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, Cal.

This work will include trenching, backfilling, construction of concrete manholes, installation of parkway cable, oil circuit breakers, primary cutouts, potheads, disconnecting existing primary service cables and connecting new cables to primary cutouts, oil circuit breakers, buses, etc.; all as set forth on bid form. Specifications and further information obtainable from the Supervising Superintendent of Construction at Palo Alto.

Preparing Preliminary Plans.

ADDITION Cost, \$750,000
SAN FRANCISCO. Seventh and Mission Streets.

Four-story class A addition to post office.

Owner—United States Government.

Architect—George Kelham, 315 Montgomery Street

Preparing Preliminary Plans.

POST OFFICE Cost, \$350,000
GLENDALE, Los Angeles Co., Cal., Broadway.

Two-story and basement steel frame and granite post office.

Owner—U. S. Government.

Architect—Geo. Lindsay & E. P. Elden, Union Insurance Building, Los Angeles.

Plans Being Figured—Bids Close September 24, 3 P. M.

POSTOFFICE Cost, \$—
COLFAX, Wash.

Class A postoffice.

Owner—U. S. Government.

Architect—Plans by Supervising Architect, Treasury Department, Washington, D. C.

WASHINGTON, D. C.—Bids are being received by the Bureau of Supplies and Accounts, Navy Dept., Washington, D. C., to furnish materials and equipment to Pacific Coast navy yards and stations. Further information on the Schedules listed being obtained from the Navy Purchasing Office, 100 Harrison St., San Francisco:

Bids Open Sept. 1

New York or San Francisco, 3300 sq. ft. diatomaceous earth blocks; sch. 6372.

Mare Island and Puget Sound, steam whistles and spares; sch. 6385.

Delivery 1 c. b. works, 14 motor generator sets; sch. 6388.

Bids Open Sept. 8

Western yards, approx. 5000 hospital feather pillows; sch. 6356.

Western yards, approx. 1918 hospital mattresses; sch. 6355.

Mare Island, 2400 ft. cotton rubber house; sch. 6387.

Mare Island and Puget Sound, gong type general alarm contact makers; sch. 6367.

Western yards, boiler steel plates; sch. 6363.

Mare Island, 40,000 lbs. rust preventive compound; sch. 6369.

Mare Island, 740 vacuum tubes; sch. 6382.

Mare Island, 100,000 ft. box and crate spruce; sch. 6396.

San Diego, 5000 ft. phosphor bronze cable; sch. 6380.

Mare Island, 2000 radio B batteries; sch. 6365.

Mare Island, 120,000 ft. b. m. redwood; sch. 6394.

Mare Island, lumber; sch. 6395.

Mare Island, 2000 lbs. brass boat facings; sch. 6399.

Bids Open Sept. 29

For all yards, furniture for living rooms, dining rooms, bedrooms, tables, mirrors, fibre furniture, etc.; sch. 6345.

Bids Opened.

OFFICE BUDG.

Cost, \$—
SUNNYVALE, Santa Clara Co., Cal.
One-story frame and stucco office building (in connection with Dir-
igible Base Spec. No. 6492.

Owner—United States Government.

Plans by Bureau of Yards and Docks, Navy Dept., Washington, D. C.

Low Bidder—San Francisco Const. Co.
3551 Fillmore St., San Francisco.

Following is a complete list of bids:

San Francisco Const. Co.	\$ 7,700
J. S. Hannah, S. F.	7,777
Theodore Johanns, S. F.	7,800
I. Epp & Sons, S. F.	7,968
Barrett & Hiip, S. F.	7,993
Minton Co., Palo Alto	8,234
Lindgren & Swinerton, S. F.	8,880
Sullivan & Sullivan, Oakland	8,932
F. D. Turner, Burlingame	8,944
Clancy Bros., S. F.	8,949
Roy Lind, S. F.	8,956
Niel Darrah, Mt. View	8,979
C. N. Norgrave, Berkeley	8,990
DeCamp-Hudson Co., L. A.	8,762
B. J. Smith, Cardo, Calif.	8,865
Geo. D. Huston, Sunnyvale	8,725
Robert Glaze	8,725
Harry Knight, Mt. View	8,976
F. C. Amoroso & Son, S. F.	8,989
Doyle Bldg. Co., Mt. View	9,081
H. B. Post, Palo Alto	9,168
Robt. McCarta, S. F.	9,193
N. H. Sjoberg & Sons, S. F.	9,193
David Nordstrom, Oakland	9,242
H. C. Miller, Santa Clara	9,275
Robt. E. McKee, Los Angeles	9,400
A. Holyoke, Hayward	9,400
Joel Johnson, S. F.	9,431
G. P. W. Jensen, S. F.	9,480
E. T. Lesure, Oakland	9,680
Monson Bros., S. F.	9,683
H. Mayson, Los Angeles	9,690
R. W. Littlefield, Oakland	9,694
Schuler & McDonald, Oakland	9,700
Healy-Tibbitts Const. Co., S. F.	9,915
McDonald & Kahn, S. F.	10,199
J. Kay, Sunnyvale	10,162
Fred M. Field, Menlo Park	10,444
H. C. Vensano & Co., S. F.	10,830
Frederickson & Watson Oakland	10,835

Bids held under advisement.

Contract Awarded.

GAS BURNERS Cont. Price, \$2,740
LIVERMORE, Alameda Co., Cal.

Installation of gas burners in boilers and gas piping in Central Heating Plant at Veterans' Hospital.

Owner—United States Government.

Plans by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto.

Contractor—McGee Sales Agency, 75 Fremont St., San Francisco.

CLE ELUM, Wash.—Until September 18, 2 P. M., bids will be received by U. S. Bureau of Reclamation, Ronald, Wash., for clearing the Cle Elum reservoir site, Yakima Project, located about 16 miles northwest of Cle Elum. The area to be cleared comprises about 2665 acres lying in a strip around and at the head of Cle Elum Lake. The work has been divided into three schedules. Specifications No. 538-D, obtainable from above office.

HALLS AND SOCIETY BUILDINGS

Sub-Contracts Awarded.

CLUBHOUSE Cost, \$35,000
MOUNTAIN VIEW, Santa Clara Co., Calif.

Two-story reinforced concrete Spanish type clubhouse, 80x30-ft.

Owner—Leon Roberts Post No. 246, American Legion, Mountain View (Everett Lawson, Commander).

Architect—A. A. Cantin, 544 Market St., San Francisco.

Contractor—Carl Lindholm and Sons, Mountain View.

Structural Steel—Golden Gate Iron Works, 1541 Howard St.

reinforcing Steel—San Jose Iron Wks
535 W San Carlos, San Jose.
—Bids to erect a two-story clubhouse,
40 by 120 ft., are being received by the
Iberico Club, a Spanish organization.
The structure will be erected in Hayes
Street.

Roofing—Peninsula Roofing Co., Mt.
View.

Painting—Otto Freeborn, Mt. View.
General contractors will do the ex-
cavating and concrete work.
Figures wanted on tile, miscellaneous
iron, steel sash, hardwood floors
and plastering.

SAN LEANDRO, Alameda Co., Cal.
—Bids to erect a two-story clubhouse,
40 by 120 ft., are being received by the
Iberico Club, a Spanish organization.
The structure will be erected in Hayes
Street.

Contracts Awarded.
MEMORIAL BLDG Cost, \$60,000
GRASS VALLEY, Nevada Co., Calif.
South Auburn Street.
One- and two-story reinforced concrete
veterans' memorial bldg.
Owner—Hague-Thomas-Hegarty Corp.,
Ltd., American Legion (Loyle C.
Freeman, secretary).
Architect—Wm E. Coffman, Forum
Bldg., Sacramento.

- (1) Excavating and Concrete Work.
- (2) Cement.
- (3) Concrete Aggregates.
- (4) Concrete Form Work.
- (5) Reinforcing Steel Work.
- (6) Linooleum.
- (7) Structural Steel Work.
- (8) Rough and Finish Carpentry
Work (rough hardware).
- (9) Mill Work.
- (10) Metal Sash.
- (11) Finish Hardware.
- (12) Ornamental Iron.
- (13) Hardwood Floor Work.
- (14) Celotex Work.
- (15) Linooleum.
- (16) Glass and Glazing Work.
- (17) Marble and Tile Work.
- (18) Lath Work.
- (19) Plastering Work.
- (20) Plain Painting Work.
- (21) Decorative Paint Work.
- (22) Roofing Work.
- (23) Sheet Metal Work.
- (24) Plumbing Work.
- (25) Heating Work.
- (26) Electrical Work.

Burton & Reed, Sacramento (Prop.
Nos. 1, 4, 5, 8, 13, 14), \$21,998.
U. M. Lotz, Nevada City (Prop. No.
3).
L. & E. Marsh, Nevada City (Prop.
No. 9), \$2,570.
George C. Smith, Sacramento (Prop.
No. 10), \$495.
Allis Iron Works, Sacramento (Prop.
No. 12), \$700.
George C. Smith, Sacramento (Prop.
No. 16), \$409.
H. P. Fischer, Sacramento (Prop.
No. 17), \$459.
Willcox & Wilson, Sacramento
(Prop. No. 20), \$2,243.
Alpha Hardware & Supply Co.,
Grass Valley (Prop. No. 22), \$1,023.
Frank Ahl, Sacramento (Prop. No.
23), \$1,062.
C. E. Eldredge, Grass Valley (Prop.
No. 24), \$2,196.
Alpha Hardware Co., Grass Valley
(Prop. No. 25), \$2,840.
Leland Painter, Grass Valley (Prop.
No. 26), \$2,825.
Structural steel work (Prop. No. 7)
abandoned. Prop. No. 11, under ad-
visement.

Plans Being Figured—Bids Close Sep-
tember 15, 10:30 A. M.
FURNISHINGS Cost, \$—
HAYWARD, Alameda Co., Cal.

**Furniture and Equipment for Hay-
ward Veterans' Memorial Bldg.**
Owner—County of Alameda, George E.
Gross, county clerk, Oakland.
Architect—Henry H. Meyers, Kohl
Bldg., San Francisco.
Certified check 10% payable to coun-
ty clerk required with bid. Specifica-
tions obtainable from John M. Sabin,
county purchasing agent, Hall of Rec-
ords, Oakland.

HOSPITALS

Contracts Awarded.
WARD UNIT Cost, \$20,000
FRESNO, Fresno Co., Cal.
Forty-two-bed tubercular ward unit at
county hospital.
Owner—County of Fresno, D. M. Barn-
well, County Clerk.
Architect—W. D. Coates, Rowell Bldg.,
Fresno.
Contractor—Irwin & Hopkins, 1010
Roosevelt Ave., Fresno, at \$10,220.
Plumbing and Heating—Barrett Hicks
1031 Broadway, Fresno, at \$2793.

Bid Opening Date Extended from
August 31 to Sept. 8, 11 A. M.
KITCHEN EQUIPMENT Cost, \$—
SAN JOSE, Santa Clara Co., Cal.
Furnish & install complete kitch-
en equipment for the Santa Clara
County Hospital.
Owner—County of Santa Clara, Henry
A. Pfister, county clerk, San Jose.
Architect—Not Given.

Workmen employed on this work
must be paid in accordance with the
scale of wages specified by the Board
of Supervisors as follows: Plumbers,
\$9.00; Steam Fitters, \$10.00; Electric-
ians, \$10.00; Laborers, \$4.00 per day,
with double time payment for holi-
days and overtime, all in accordance
with the rates fixed by schedule ad-
opted by the Board of Supervisors and
to which reference is hereby made
for any rate of payment not herein
specified.

Certified check 10% payable to clerk
required with bid. Specifications ob-
tainable from clerk.

Bids Opened.
VETERANS' HOSPITAL Cost, \$—
WALLA WALLA, Washington.
Erect subsistence building, connect-
ing corridors, incinerator and laun-
dry addition and attendant's quar-
ters over garage, etc.
Owner—United States Government.
Plans by Construction Division, U. S.
Veterans' Bureau, Arlington Bldg.,
Washington, D. C.
Low Bidder—J. P. Hallin, Sun Life
Bldg., Tacoma, at \$124,638 for gen-
eral construction, including plum-
bing, heating and electric work.

Plans Being Figured—Bids Close Sept.
16, 2:30 P. M.
HEALTH CENTER Cost, \$—
SAN FRANCISCO. Polk and Grove
Streets.

General construction for 4-story and
basement reinforced concrete class
A health center, emergency hos-
pital and office building.
Owner—City and County of San Fran-
cisco, S. J. Hester, Secty., Board
of Public Works.
Architect—S. Heiman, 57 Post Street.
Structural Engineers—Ellison & Rus-
sell, Pacific Bldg.

Bids are wanted for general con-
tract work in connection with this
project. As previously reported con-
tracts for steel, granite, brick work,
tile partitions, etc., awarded under
separate contracts. Certified check of
10% payable to the Clerk of the Board
of Supervisors required with bid. Bond
of \$31,250 required of the successful
bidder. Plans obtainable from the Bu-
reau of Architecture, 2nd floor, City
Hall, on deposit of \$50, returnable.

Low Bidders.
HOME & NOVITIATE Cost, \$—
BUILDINGAME, San Mateo Co., Cal.
Four-story and basement steel frame
and concrete home and novitiate
(tile roof, steam heating system).
Owner—Roman Catholic Archbishop of
San Francisco, 1190 Franklin St.,
San Francisco.
Architect—Edward Eames, 353 Sacra-
mento St., San Francisco.
Contractor—Barrett & Hilp, 918 Har-
rison St., San Francisco.
Plumbing and Heating—C. Mara and
Stewart, 218 Clara St., San Fran-
cisco.
Electric Work—Minkel & Lucas, 1535
Folsom St., San Francisco.

Plans Being Figured—Bids Close Sept.
16, 2:30 P. M.
PREVENTORIUM Cost, \$108,000
REDWOOD CITY, San Mateo Co., Cal.
Three frame and stucco Preventorium
buildings with tile roofs.
Owner—City and County of San Fran-
cisco, S. J. Hester, Secty., Board
of Public Works.

Architect—Henry H. Meyers, Kohl
Bldg., San Francisco.
Bids are wanted for a general con-
tract contract. This project comprises
the second unit of the Tuberculosis
Preventorium on property owned by
the City and County of San Francisco
at the Puigas Tunnel in San Mateo
County. Certified check 10% payable
to Clerk of the Board of Supervisors
required with bid. Bond of \$27,000 re-
quired of the successful bidder. Plans
obtainable from the Bureau of Archi-
tecture, 2nd floor, City Hall, on de-
posit of \$25, returnable.

Contract Awarded.
HOSPITAL Cost, \$40,556
HOOD RIVER, Ore.
Part 2 and 3-story (monolithic con-
struction) hospital.
Owner—Hood River Hospital Association.
Architect—Walter E. Kelly, Oregon
Bldg., Portland, Ore.
Contractor—L. C. Baldwin, Hood
River, Ore.

Ne Page McKenny, Portland, at
\$2,222 awarded electric work; Paul's
Plumbing Shop, Hood River, at \$11,-
391 awarded heating and plumbing.

Plans Being Figured—Bids Close Sep-
tember 8th, 2 P. M.
HOSPITAL Cost, \$—
AUBURN, Placer Co., Cal.
Class A reinforced concrete and steel
fireproof hospital (48 beds), 213 ft.
x 140 ft.
Owner—County of Placer.

Architect—W. E. Coffman, Forum
Bldg., Sacramento.
Reinforced concrete construction,
concrete floor, 2½ inch metal lath
plaster partitions, floors covered with
linooleum, 20-year composition roof,
steel sash, vacuum steam heating
plant.

Sub-Contract Awarded.
REMODELING Cont. price, \$17,862
RENO, Washoe Co., Nevada.
Remodeling Nevada State Insane Asy-
lum.
Owner—State of Nevada.
Architect—Geo. A. Ferris & Son, Cla-
dianos Bldg., Reno.
Contractor—Ralph McLeran Company,
Hearst Bldg., San Francisco.
Ornamental Iron Work—Macaulay Iron
Works, 712 E 4th St., Reno.
Other sub-contracts reported July
18.

PACIFIC GROVE, Monterey Co.,
Cal.—Property owners having re-
quested the action, the city council
under an emergency resolution has
authorized the addition of three
nurses' rooms, a laboratory and the
installation of X-ray equipment at the

Bayview Hospital. The action necessitated a special resolution due to the city zoning laws. The work will cost \$3,000.

To Ask Bids About Aug. 25
WARD BLDGS. Cost, \$12,000
MURPHY, Calaveras Co., Calif. Bret Harte Sanitarium.

Two 1-story frame and stucco ward buildings (each to accommodate 20; asbestos shingle roof, electric heating system).

Owner—Bret Harte Sanitarium, Murphy.
Architect—Jos. Losekann, 1218 West Harding St., Stockton.

Completing Specifications.
ADDITIONS Cost, \$242,000
BERKELEY, Alameda Co., Cal.

Additional units at State School for Deaf (primary school, 20 rooms, reinf. conc. const., tile roof, steam heating system from adjoining plant, ornamental iron, all usual school equipment).

Owner—State of California.
Architect—Charles Roeth, 1404 Franklin St., Oakland.

Plans will be submitted by Sept. 1.

Plans Being Figured—Bids Close September 11, 10 A. M.

PLASTERING Cost, \$—
WEIMAR, Placer Co., Cal.
Exterior plastering of existing hospital building and new receiving cottage.

Owner—Weimar Joint Sanatorium, W. O. Russell, secretary, Weimar, Cal.

Architect—Harry J. Devine, 1400 California State Life Bldg., Sacramento, Cal.

Bids will be opened by the secretary in the chambers of the Board of Supervisors, Courthouse, Sacramento, on September 11. Certified check 10% payable to Weimar Joint Sanatorium required with bid. Plans obtainable from the architect on deposit of \$10, returnable.

HOTELS

Sub-Contracts Awarded.
HOTEL Cost, \$300,000
SAN FRANCISCO. Powell and Clay Streets.

Seven-story Class B steel frame and concrete hotel (concrete and composition roof; assembly hall with small stage).

Owner—Young Women's Christian Association, 620 Sutter St., S. F.
Architect—Miss Julia Morgan, Merchants' Exchange Bldg., S. F.

Contractor—K. E. Parker Co., 135 South Park, San Francisco.

Grading—Sibley Grading & Teaming Co., 64 Landers St.

Structural Steel—Judson Pacific Co., 609 Mission St.

ICE AND COLD STORAGE PLANTS

PEARL HARBOR, T. H.—See "Government Work and Supplies," in this issue. Bureau of Yards and Docks completing plans for alterations to Refrigerating Plant at hospital at Naval Operating Base, under Specification No. 6572.

Contract Awarded.
ICE PLANT Cost, \$15,000
REDWOOD CITY, San Mateo Co., Cal.
Brewster Ave. and Perry St. (126x100 ft.).

One-story concrete ice plant.
Owner—Union Ice Co., 354 Pine St., San Francisco.

Plans by Eng. Dept. of Owner.
Contractor—Taylor & Goericke, Sharon Bldg., San Francisco.

POWER PLANTS

LOS ANGELES, Cal.—H. A. Van Norman, general manager and chief engineer, Los Angeles Department of Water and Power, is completing plans for the third unit of power plant No. 2 in San Francisco Canyon, north of Saugus. The additional steel peastock will provide 18,000 h.p. generating capacity. The present equipment provides 40,000 h.p. The work will also include conditioning of the tunnels between power plants Nos. 1 and 2. The cost is estimated at \$1,000,000 including machinery installation.

GLENDALE, Los Angeles Co., Cal.—Graybar Electric Co. awarded contract by city council for furnishing fibre conduit as follows:

(1) 50,000 ft. 4-in. at \$123.90 per M ft.
(2) 30,000 ft. 4½-in. at \$155.38 per M ft.

Westinghouse Electric Supply Co., Johns-Manville Co., Associated Wholesale Electric Co., General Supply Co. submitted bids at figures identical with Graybar Co. The Fireproof Wall Co., Oakland, bid (1) 4-in. soapstone conduit, 11c ft., (2) 4½-in. same, 14c ft.

Segregated Bids Being Taken.
ADDITION Cost, \$10,000
OAKLAND, Alameda Co., Cal. 604 20th Street.

Reinforced concrete addition to present building.

Owner—Pacific Gas & Electric Co., 245 Market St., San Francisco.
Architect—Eng. Dept. of Owner.

Bids are being taken by owners on hollow metal doors, composition roofing, concrete, etc.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Contract Awarded.
JAIL Cost, \$—
WALLA WALLA, Washington.
Washington State Penitentiary.
Owner—State of Washington.
Architect—Julius A. Zittel, Auditorium Bldg., Spokane.

Gen'l Contract—J. T. Halin, Spokane, \$129,871.

Electric Work—NePage-McKenny Co., Seattle, \$3297.
Plumbing—Berg-Griggs, Tacoma, \$19,070.

Heating—C. J. Christopher, Bellingham, Wash., \$14,471.

Bids for jail equipment, low bid submitted by Friess & Son, Covington, Ky., at \$36,129, taken under further advisement.

HAYWARD, Alameda Co., Cal.—City council is considering plans of A. S. Butler of the California Nursery of Niles for landscape work in connection with the city hall grounds.

Plans Being Figured—Bids Close Sept. 8, 7 P. M.

LIBRARY Cost, \$11,000
NEW MONTEREY, Monterey Co., Cal.
One-story frame and stucco library (tile roof; Spanish type; 90x36 ft.; 2500 sq. ft. floor space).

Owner—City of New Monterey, Clyde A. Doney, city clerk.
Architect—Swartz and Ryland, Spazier Bldg., Monterey.

Bids previously received on this project were returned unopened due to the failure of the city council to specify the rate of wages to be paid in compliance with the state law. The scale of wages on this project will be published in tomorrow's issue.

Preparing Working Drawings.
COURTHOUSE Cost, \$180,000
SAN JOSE, Santa Clara Co., Cal.

Rebuilding county courthouse destroyed by fire (using present brick walls and foundations) and construct an additional story of steel frame and concrete construction (tile roof, steam heating system).

Owner—County of Santa Clara, Henry A. Pfister, county clerk.
Architect—Binder & Curtis, 35 W. San Carlos St., San Jose.
Structural Engineer—Wm. D. Lotz, 1040 Benton St., San Jose.

Plans Being Figured—Bids Close Sept. 11, 8 P. M.

ADDITION Cost, \$8500
ISLETON, Sacramento Co., Cal.

One-story top addition to fire house and city hall (brick veneer and frame construction; ground floor 8-inch brick wall to match present building; auditorium, bedrooms, locker and shower rooms). Owner—Town of Isleton.

Architect—W. E. Coffman, Forum Bldg., Sacramento.
Engineer—Frank Talbot, Forum Bldg., Sacramento.

Plans obtainable from the engineer at Sacramento and on file in the office of the city clerk at Isleton.

SAN QUENTIN, Marin Co., Cal.—Identical bids at \$158,000 were submitted by Allyn Burr of Sacramento and Jones Bros. Asbestos Supply Co., 370 Second St., San Francisco, to the Purchasing Department, State Board of Public Works, Sacramento, for roofing a building at San Quentin Prison. Complete list of bids received is as follows:

Allyn Burr, Sacramento, \$1595.
Jones Bros. Asbestos Supply Co., 370 Second St., S. F., \$1595.
J. W. Bender Roofing Co., S. F., \$1783 (alt. \$1678).
Bush Roofing Co., Sacramento, \$1881.
Knight Roofing Co., S. F., \$1885; (alt. \$1565).
Malott & Peterson, S. F., \$1889 (alt. \$1664).

Marin County Roofing Co., Larkspur, \$2016.60.
Mission Roofing Co., San Francisco, \$2050.

Phoenix-Simpton Co., San Francisco, \$2560.
Bids held under advisement.

LODI, San Joaquin Co., Cal.—Remington-Rand Business Service, Inc., 39 Second St., San Francisco, at \$982.45 submitted lowest regular bid to the Lodi Library Trustees to furnish and install certain furniture and equipment in the public library. Rucker-Fuller Co., 539 Market St., San Francisco, at \$1,002.70 was next low regular bidder. The following firms also submitted figures but the bids were not considered due to the fact they failed to fulfill specification requirements: Home Mfg. Co., 552 Brannan St., San Francisco, \$831.84; Commercial Fixture Co., 6000 Avalon Blvd., Los Angeles, \$907; Fisher Bros. Lbr. & Mill Co., Weber Ave. and Wilson, Stockton, \$1,196.70.

Plans Being Figured—Bids Close Sept. 8, 3 P. M.

STEEL FURNITURE Cost, \$—
SAN FRANCISCO.

Furnish steel furniture for San Francisco Water Department under Proposal No. 750.

Owner—City and County of San Francisco, Leonard J. Leavy, city purchasing agent, 270 City Hall.
Architect—Not Given.

Bids are being received by the city purchasing agent, from whom specifications may be obtained.

Completing Working Drawings.
COURT HOUSE Cost, \$150,000
SAN JOSE, Santa Clara Co., Cal.
Rebuilding county courthouse destroyed by fire (using present walls and foundations).
Owner—County of Santa Clara, Henry A. Pfister, county clerk.
Architect—Binder & Curtis, 35 W San Carlos St., San Jose.
Structural Engineer—Wm. D. Lotz, 1040 Henton St., San Jose.

Preliminary Plans Completed.
EXPOSITION BLDG. Cost, \$125,000
OAKLAND, Alameda Co., Cal. Near Municipal Auditorium.
Exposition building (approximately 140 by 360 feet).
Owner—City of Oakland, W. W. Chappell, city clerk.
Architects and Engineers—Reed & Corlett and E. W. Cannon, architect, associated.
Structure will be set on a pile foundation will have a light truss roof.

RESIDENCES

Sub-Bids Wanted.
RESIDENCE Cost, \$70,000
PALO ALTO, Santa Clara Co., Cal.
Two-story and basement frame and stucco residence (the roof; swimming pool; library; maid's quarters; considerable landscaping).
Owner—Mrs. Madeline Meyer.
Plans by Austin Pierpont, Ojai Ave., Ojai, Calif.
Wells P. Goodenough, 310 University Ave., Palo Alto, general contractor, desires sub-bids in connection with above for which general bids are now being taken from a selected list of contractors.

Taking Segregated Figures.
RESIDENCES Cost, \$6000-\$8000
PIEDMONT, Alameda Co., Cal. Parkside Drive.
Seven one- and two-story frame and stucco residences (6 and 7 rooms; tile roofs, iron work, gas heating systems).
Owner—A. Jensen, 354 Hobart Street, Oakland.
Architect—H. K. Jensen, 354 Hobart St., Oakland.

Contract To Be Awarded.
ALTERATIONS Cost, price, \$3630
SAN FRANCISCO, Bayview District.
Remodel two-story frame and stucco store for residence (5 rooms).
Owner—Withheld.
Architect—Fabre and Hildebrand, 110 Sutter Street.
Contractor—A. Loustau, 2887 Bush St.

Preparing Plans.
REMODELING Cost, \$6000
STOCKTON, San Joaquin Co., Cal.
Alter and enlarge two-story frame and brick veneer residence.
Owner—Withheld.
Architect—Jos. Losekann, 1218 West Harding St., Stockton.
Will ask bids in about three weeks.

Contract Awarded.
RESIDENCE Cont. price, \$7227
STOCKTON, San Joaquin Co., Cal.
Two-story and basement frame and brick veneer residence (English type; shingle roof, hot air heating, steel window sash).
Owner—Edward Van Franken.
Architect—Jos. Losekann, 1218 West Harding St., Stockton.
Contractor—H. E. Vickroy, Stockton.

Taking Sub-Figures.
RESIDENCE Cost, \$6000
OAKLAND, Alameda Co., Cal. Oakmore Road, Oakmore Place.
1½-story frame and stucco residence (7 rooms; hot air heating, shingle roof).

Owner—Wallace Peterson, Santini Ave., Oakland.
Plans by L. F. Hyde, 374 Hanover St., Oakland.

Plans Being Figured.
RESIDENCE Cost, \$5000
RICHMOND, Contra Costa Co., Calif.
Mira Vista Tract.
One-story frame and stucco residence (6 rooms).
Owner—Herbert Green, 802 El Cerrito Road, Albany.
Plans by L. F. Hyde, 374 Hanover St., Oakland.

Additional Sub-Contracts Awarded.
RESIDENCE Cost approx. \$55,000
HILLSBOROUGH, San Mateo Co., Cal.
Two-story frame and stucco residence
Owner—G. Lachman, Mission and 16th Sts., San Francisco.
Architect—Hyman & Appleton, 68 Post St., San Francisco.
Contractor—Jackie and Irvine, 74 New Montgomery St., San Francisco.
Ornamental and Miscellaneous Iron—Industrial Ornamental Iron & Wire Works, 552 Noe St., San Francisco.
Screens—H. E. Root, 639 Howard St., San Francisco.
Other sub-contracts reported previously

Sub-Bids Wanted.
DUPLEX RESIDENCE Cost, \$15,000
SAN FRANCISCO, Roosevelt Way N Clifford Terrace.
Two-story and basement frame and stucco duplex residence (12 rooms and 5 baths; part tile and composition roof, gas heater, canvas walls and ceilings, electric refrigeration, colored tile baths and kitchens).
Owner—Withheld.
Architect—Charles F. Strothoff, 2274 15th Street.
Young & Horstmeier, 461 Market St., general contractors, desire sub-bids on all portions of the above work.
Bids will be opened 12 M., Aug. 28.

Taking Sub-Bids.
RESIDENCE Cost, \$7000
OAKLAND, Alameda Co., Calif. 6738 Ross St., Oak Lawn Manor Tract.
Two-story and basement frame and stucco residence (6 rooms, shingle roof, gas heating system).
Owner and Builder—Ernest W. Urch, 5740 Ivanhoe Road, Oakland.
Architect—Not Given.

August 24, 1931
Contract Awarded.
RESIDENCES Contract price, \$14,563
STOCKTON, San Joaquin Co., Cal. N Madison Street.
Four 1-story brick veneer residences (4 rooms each).
Owner—Miss Anne Griffin, Sonora Rd., Stockton.
Architect—J. U. Cloudsley, Exchange Bldg., Stockton.
Contractor—C. A. Towne, 526 E. Main St., Stockton.

Contract Awarded.
RESIDENCE Cost, \$5750
MENLO OAKS, San Mateo Co., Cal.
One-story and basement frame and stucco residence.
Owner—George W. Sullivan, 472 Anderson St., San Francisco.
Architect—Not Given.
Contractor—Arne M. Arneson, 195 Lowell St., San Francisco.

Preparing Plans.
RESIDENCE Cost, \$14,000
PALO ALTO, Santa Clara Co., Cal.
Two-story and basement frame and stucco residence (8 rooms, 2 baths).
Owner—F. G. White, 627 Bryant St., Palo Alto.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.

Plans Being Figured.
LOGE CABIN Cost, \$2,000
SAN FRANCISCO, Golden Gate Park
Loge cabin.
Owner—Association of Pioneer Women of California.
Architect—Powers & Ahlsten, 26 O'Farrell St.

Contract Awarded.
RESIDENCE Cost, \$12,000
BURLINGAME, San Mateo Co., Cal. Easton Drive.
Two-story and basement frame and stucco residence, hot air heating system, shingle roof.
Owner—L. McGee.
Architect—Coleman & Gilliam, 1401 Broadway, Burlingame.
Contractor—George W. Williams Co., Ltd., Crawford Bldg., Burlingame.

Preparing Plans—Contract Awarded
RESIDENCE Cost, \$8,500
BURLINGAME, San Mateo Co., Cal. Burlingame Ave.
Two-story and basement frame and stucco residence (shingle roof).
Owner—F. L. Hawken.
Plans by—Coleman & Gilliam, 1401 Broadway, Burlingame.
Contractor—George W. Williams, Crawford Bldg., Burlingame.

Completing Plans.
RESIDENCES Cost, \$6,000 each
SAN FRANCISCO, 20th Ave. near Kirkham St.
Six one-story and basement frame and stucco residences (5 rooms each) tile and composition roof, hardwood floors, colored tile baths and kitchens, gas furnace, etc.
Owner—C. Geller, 218 Castaneda.
Architect and Builder—Not given.

Preparing Working Drawings.
RESIDENCE Cost, \$6,000
SAN JOSE, Santa Clara Co., Cal.
One-story and basement frame and stucco residence (6 rooms, 2 baths, tile roof).
Owner—J. S. Mesi, 65 Atlas Ave., San Jose.
Architect—W. E. Higgins, Realty Bldg., San Jose.
Bids will be taken in about two weeks.

Plans Being Completed.
RESIDENCE Cost, \$18,000
PALO ALTO, Santa Clara Co., Cal. Emerson St.
Two-story and basement frame stucco and brick veneer residence (10 rooms, 4 baths, shingle roof, gas furnace, colored tile baths and kitchen).
Owner and Builder—Cleveland Smith, President Hotel, 935 Geary St., San Francisco.
Architect—Treichel & Goodpastor, 1540 San Pablo Ave., Oakland.
Sub-bids will be taken within a few days.

Plans Being Completed.
RESIDENCE Cost, \$12,000
PALO ALTO, Santa Clara Co., Cal. Cowper Street.
Two-story and basement frame stucco and brick veneer residence (7 rooms, 2 baths, tile and composition roof, gas furnace, colored tile baths and kitchen, hardwood floors, etc.).
Owner and Builder—Cleveland Smith, Hotel President, 935 Geary St., San Francisco.
Architect—Treichel & Goodpastor, 1540 San Pablo Ave., Oakland.
Sub-bids will be taken within a few days.

Contract Awarded.
RESIDENCES Cost, \$7,500
BURLINGAME, San Mateo Co., Cal.
One-story and basement frame and stucco bungalow (5 rooms) English

type shingle roof, gas furnace, hardwood floors, colored tile bath. Owner—E. T. Mitchell. Plans by Coleman & Gilliam, 1401 Broadway, Burlingame. Contractor—G. W. Williams Co., Ltd., Crawford Bldg., Burlingame.

Sub-Bids Being Taken. RESIDENCE. Cost, \$7,500. BURLINGAME, San Mateo Co., Cal. Hale Drive.

One-story and basement frame and stucco residence (5 rooms) Colonial type, gas furnace, shingle roof, hardwood floors, colored tile bath. Owner—M. H. Phillips. Plans by Coleman & Gilliam, 1401 Broadway, Burlingame. Contractor—G. W. Williams Co., Ltd., Crawford Bldg., Burlingame.

Sub-Bids Wanted. DUPLEX RESIDENCE. Cost, \$15,000. SAN FRANCISCO, Roosevelt Way N Clifford Terrace.

Two-story and basement frame and stucco duplex residence (12 rooms and 5 baths; part tile and composition roof, gas heater, canvas walls and ceilings, electric refrigeration, colored tile baths and kitchens).

Owner—Withheld. Architect—Charles F. Strothoff, 2274 15th Street.

H. Meibergner, 323 4th St., general contractor, desired sub-bids on all portions of the work in connection with above, for which bids are to be opened Aug. 28th, 12 noon.

Sub-Bids Being Taken. RESIDENCES. Cost, \$5,960, \$6,750 ea. BURLINGAME, San Mateo Co., Cal. Wilborough Place.

Five one-story and basement frame stucco residences (6 rooms each, English type, gas furnace, shingle roof, tile baths and kitchens, hardwood floors, etc.).

Owner and builder—George W. Williams Co., Ltd., Crawford Bldg., Burlingame.

Architect—J. K. Ballantine, Jr, 137 Harlan, San Francisco

Sub-Contracts Awarded. RESIDENCE. Cost, \$11,000. BERKELEY, Alameda Co., Cal. The Uplands.

Two-story and basement frame and stucco residence (Spanish type; 8 rooms, 3 baths, Spanish tile roof, gas heating system).

Owner—Mr. Tones. Architect—Not Given. Contractor—Beckett & Wight, 722 Scenic Ave., Berkeley.

Lumber—Smith Lumber Co., Foot of 18th Ave., Oakland.

Plumbing—J. A. Fazio, 402 Castro St., Oakland.

Concrete—Nat Lena, 2307 Encinal Ave., Alameda.

Steel Sash—Michel & Pfeffer Iron Works, Inc., 10th and Harrison Sts., San Francisco.

Sub-Bids Being Taken. RESIDENCES. Cost each, \$6000. SAN FRANCISCO, 20th Avenue near Kirkham Street.

Six one-story and basement frame and stucco residences (5 rooms each) tile and composition roof, hardwood floors, colored tile baths and kitchens, gas furnace, etc.

Owner and Builder—C. Geilert, 218 Castaneda.

Architect—Not Given.

Preparing Preliminary Plans. RESIDENCE. Cost, \$15,000. SAN JOSE, Santa Clara Co., Cal.

One-story and basement frame and stucco residence (8 rooms, 3 baths, hot air heating system, colored tile baths).

Owner—P. Muetze, 82 Clayton St., San Jose.

Architect—W. E. Higgins, Realty Bldg., San Jose.

Sub-Contracts Awarded. ALTERATIONS. Cost, \$9000. WOODSIDE, San Mateo Co., Calif.

Alterations and additions to frame and stucco residence (10 rooms and 2 baths, asbestos tile roof, keen cement baths and kitchen).

Owner—Mrs. Gudwalder. Architect—Martin A. Sheldon, Monadnock Bldg., San Francisco.

Contractor—Louis N. Pollard, 232 Franklin St., Redwood City.

Brick Work—E. M. Berndstein, 435 Edgewood Road, Redwood City.

Plumbing—V. L. Doppee, 247 Iris St., Redwood City.

Electric—San Bruno Electric Co., 611 San Mateo Ave., San Bruno.

Roofing—Bush Roofing Co., 217 Saint Claire Bldg., San Jose.

Sheet Metal—Spangler Sheet Metal Works, 841 Alma St., Palo Alto.

Painting—Arlington Castagnino, 730 Chestnut Ave., San Carlos.

Plastering—Ira T. Bridges, 534 Waverly St., Palo Alto.

SCHOOLS

SANTA MONICA, Los Angeles Co., Cal.—The Santa Monica Board of Education, 1333 Sixth St., Santa Monica, has called an election for Tuesday, September 22nd, at which time it is proposed to vote bonds in the sum of \$310,000 for the construction of high school and junior college buildings. Architects have not been selected.

Contract Awarded. SCHOOL ANNEX. Cost, \$9659. BIEBER, Lassen Co., Cal.

Two-classroom school building. Owner—Bieber Elementary School District.

Architect—Ralph D. Taylor, Belli Bldg., Alturas.

Contractor—J. R. Myers, Bieber.

Following is a complete list of bids: J. R. Myers, Bieber.....\$ 9,659 Harry Porter, Gerber..... 9,836 Miller & Strand..... 10,342 Enoch Strom, Alturas..... 10,400 S. Severtson, Redding..... 10,677 R. A. Smith, Bieber..... 10,760 T. B. Westphal, Klamath Falls 11,814

KENTFIELD, Marin Co., Cal.—Michel & Pfeffer Iron Works, Tenth and Harrison Streets, San Francisco, were awarded contract at \$597 by Ada M. Fusselman, secretary, Marin Junior College District, San Rafael, for three pairs of basketball backstops, installed. Other bids received were: E. P. Finigan, 575 Mission Street, \$678.80; Standard Fence Co., 432 Bryant St., \$795; Fred Medart Mfg. Co., 7 Front St., \$1150, all of San Francisco.

Plans Being Figured—Bids Close September 9, 4 P. M.

SIGNAL SYSTEM. Cost, \$— COALINGA, Fresno Co., Cal

Install classroom signal system in the academic and manual training buildings and departments

Owner—Coalinga Union High School District, F. J. McCollum, secretary, 144 West Elm St., Coalinga, Cal.

Architect—Not given.

Bidders are requested to furnish floor plan drawing of system they propose to install, together with illustrations of equipment and complete specifications indicating the length of time required to complete installation. Certified check or bidder's bond 10% required with bid. Further information obtainable from secretary.

Sub-Contracts Awarded.

ADDITION. Cost, \$9000. CONCORD, Contra Costa Co., Cal. Mt. Diablo High School

Addition to gymnasium (add dressing rooms and showers, etc.; frame construction, tile floors and walls, gas steam radiation, hot water storage tank and heater, composition roofing).

Owner—Mt. Diablo Union High School District, Concord.

Architect—Paul Dragon and C. R. Schmidts, Mercantile Bank Bldg., Berkeley.

Contractor—C. M. Norgrove, 2220 Roosevelt St., Berkeley.

Cement—Schnoor Co., 5747 Claremont Ave., Berkeley.

Lumber—Diamond Match Co., Concord.

Millwork—E. K. Wood Lbr. Co., Frederick and King Sts., Oakland.

Sash and Doors—Western Sash and Door Co., 5th and Cypress, Oakland.

Tile—Brookhurst Tile Co., 2319 Shattuck Ave., Berkeley.

Roofing—Western Roofing Co., 24th & Poplar Sts., Oakland.

Plumbing and Heating—Keller Hardware Co., Concord.

Sheet Metal—Martinez Sheet Metal Works, Martinez.

Plans Being Figured—Bids Close Sept. 8, 3 P. M.

OPERA CHAIRS. Cost, \$— SAN FRANCISCO.

Furnish and install opera chairs in Balboa High School, Aptos Junior High School and Jas. Lick Junior High School (Proposal No. 753).

Owner—City and County of San Francisco, Leonard J. Leavy, city purchasing agent, 270 City Hall.

Architect—Not Given.

Bids are being received by the city purchasing agent, from whom specifications and further information may be obtained.

Bids Opened. SCHOOL. Cost, \$— SEVILLE, Tulare Co., Cal.

School (2 classrooms, office and toilet rooms).

Owner—Stone Corral School Dist., R. T. Micks, clerk, Route 3, Box 193, Visalia.

Architect—E. W. Petersen, Mason Bldg., Fresno.

Low Bidder—Jolly & Harrington, Fresno, \$10,235.

Following is a complete list of bids received, all taken under advisement: Jolly & Harrington, Fresno (1) \$10,235 (2) \$175 (3) \$60 (4) \$250 (5) \$120 (6) \$75 (7) \$16.

W. T. Harris, Fresno (1) \$10,650 (2) \$144 (3) \$60 (4) \$130 (5) \$120 (6) \$75 (7) \$16.50.

Roy Martin, Fresno, (1) \$10,744 (2) \$164 (3) \$60 (4) \$290 (5) \$120 (6) \$75 (7) \$16.50.

Irwin & Hopkins, Fresno, (1) \$10,840 (2) \$194 (3) \$60 (4) \$170 (5) \$110 (6) \$75 (7) \$16.50.

C. H. Smith, Tulare (1) \$11,060 (2) \$438 (3) \$60 (4) \$15 (5) \$108 (6) \$100 (7) \$16.50.

R. Pedersen, Fresno (1) \$11,990 (2) \$398 (3) \$200 (4) \$340 (5) \$130 (6) \$75 (7) \$16.

Completing Working Drawings. BUILDINGS. Cost, \$200,000. SAN DIEGO, San Diego Co., Cal.

Two reinforced concrete buildings; ground and road improvements for San Diego State Teachers' College. Owner—State of California.

Architect—Wm. H. Wheeler, California Bank Bldg., San Diego.

Plans will be ready for bids the first of next month. The group includes a physical education building to cost \$177,000; science lecture hall to cost \$16,800; store room to cost \$1200, and

Improvements to the grounds to cost \$10,000. An additional \$20,000 may be provided for the construction of a swimming pool and \$32.00 for road improvements.

Contract Awarded.
SCHOOL. Cost, \$1945
LINCOLN, Placer Co., Cal.
One-story school.
Owner—Central School District, C. E. Maloney, Clerk, Lincoln.
Architect—Not Given.
Contractor—G. A. Bloom, Roseville

Plans Being Figured—Bids Close Sept. 5, 10 A. M.
GRADING. Cost, \$—
REDWOOD CITY, San Mateo Co., Cal.
Grading Eagle Hill School Site; grading and terracing the rear and front of the new school building grounds.

Owner—Redwood City School District, C. H. Uhlenberg, clerk.
Architect—A. I. Coffey and M. J. Rist, 1126 Phelan Bldg., San Francisco.
Certified check 10% payable to clerk of the district required with bid. Plans obtainable from the architects on deposit of \$10, returnable.

Plans Being Figured.
PAINTING SCHOOL. Cost, \$—
GILROY, Santa Clara Co., Cal.
Painting Exterior of San Ysidro School
Owner—San Ysidro School District, Roy Dexter, Chas. Gubser and A. Sturla, Trustees.
Architect—Not Given.
Specifications obtainable from A. Sturla, Clerk of the District, at Gilroy

Plans Being Figured—Bids Close Sept. 5, 10 A. M.
SCHOOL. Cost, \$—
REDWOOD CITY, San Mateo Co., Cal.
Eagle Hill Section.
One-story reinforced concrete school (6 classrooms).
Owner—Redwood City School District, C. H. Uhlenberg, clerk.
Architect—A. I. Coffey and M. J. Rist, 1126 Phelan Bldg., San Francisco.
Previous bids rejected in order to revise plans.
Certified check 10% payable to clerk of the district required with bid. Plans obtainable from the architects on deposit of \$10, returnable.

Plans Being Figured—Bids Close Sept. 11th.
GYMNASIUMS. Cost, \$1,000,000
LOS ANGELES, Calif. University of California at Los Angeles Campus
Two one-story class B steel and concrete gymnasium buildings (men's and women's gymnasiums).
Owner—University of California.
Architect—George Kelham, 315 Montgomery St., San Francisco.
Bids will be opened in Los Angeles.

Plans Being Figured—Bids Close Sept. 3, 8 P. M.
STEEL LOCKERS. Cost, \$—
SAN MATEO, San Mateo Co., Cal.
Steel lockers.
Owner—San Mateo Union High School District, John D. Bromfield, Clerk.
Architect—Not Given.
Bid are wanted for 250 olive green steel lockers, single tier, 12x12x72 in. with two steel shelves inside at top, approximately 9 inches apart, without legs, without locks, but with eye for padlocks. Lockers are to be installed in the Burlingame High School and are to be constructed in sections of four or five lockers each, but the following combinations must be made: 1 group 44 lockers; 1 group 43 lockers; 1 group 22 lockers. Sample of lockers must accompany a bid and bidders must state earliest date same can be delivered. Materials and construction to be same as Medart Manufacturing Co. locker (sample on display in superintendent's office), or equal.

Contract Awarded.
ADDITION.
SACRAMENTO, Sacramento Co., Cal.
Brick addition to junior college.
Owner—Sacramento Junior College District.
Architect—Charles Dean, California State Life Bldg., Sacramento.
Contractor—Yoho & Dauger, 4452 5th Ave., Sacramento.
Following is a complete list of the bids:
Yoho & Dauger, Sacramento.....\$4,266
Campbell Const. Co., Sacramento 4,340
Gene Kenyon, North Sacramento 4,447
M. R. Petersen, Sacramento.....4,448
C. J. Hopkinson, Sacramento.....4,539
Guth & Fox, Sacramento.....4,539
George Hudnutt, Sacramento.....4,855

Prospective Bidders.
HEATING, ETC. Cost, \$40,000
STOCKTON, San Joaquin Co., Cal.
Interior finish and heating plant for new building on the Prevocational School Grounds.
Owner—City of Stockton, Ansel S. Williams, secretary, Board of Education, Lindsay and San Joaquin Sts., Stockton.
Architect—Losekann & Clowdsley, 309 Exchange Bldg., Stockton.

Following contractors have secured plans:
General Work
J. J. Cavanaugh, 219 N Sutter St., Stockton.
Carl Nelson, 1421 E Channel St., Stockton.
H. E. Vickroy, Stockton.
J. R. Leighton, 813 Bedford Road, Stockton.
H. W. Johnson, 1229 W Magnolia St., Stockton.
C. E. Cotton.
The Minton Co., 243 Hamilton Ave., Palo Alto.
Sam Eyre, Tracy.
H. H. Henning, 1751 Berkeley Ave., Stockton.

Electric
Commercial Electric Co., 311 E Market St., Stockton.
F. T. Schopley, 219 E Miner St., Stockton.
Eddy Electric Co., 309 E Weber St., Stockton.
E. L. Gnekow, 647 E Main St., Stockton.
Collins Electric Co., 708 E Market St., Stockton.
Co. J. J. Franke, 748 E Weber St., Stockton.
Plumbing & Heating
Puhl Harry Co., 427 E Channel St., Stockton.
Brandt Bros., 318 E Lafayette St., Stockton.
W. T. Gibson, 123 S Grant St., Stockton.
E. L. Gnekow, 647 E Main St., Stockton.
Miller-Hayes Co., Grant and Weber Sts., Stockton.
H. E. Hendrix, Copperopolis Road, Stockton.
Bids are to be opened September 3, 7:30 p. m.

Preparing Plans.
SCHOOL ADDITION. Cost, \$100,000
LOS ANGELES, Cal. 152 N. Vermont Ave.
Brick and concrete addition to school (physical education and shop building).
Owner—Los Angeles City School District.
Architect—Sumner P. Hunt, Laughlin Bldg., Los Angeles.

To Ask Bids About September 1st.
SCHOOL. Cost (1st unit), \$10,000
SALINAS, Monterey Co., Cal.
One-story frame and stucco school (tile roof, gas appliance heat).
Owner—Spring School District.
Architect—Chas. E. Butner, Glikarg Bldg., Salinas.

Contract Awarded.
BUILDING. Cost, \$1,450
BAKERSFIELD, Kern Co., Cal.
Erect sanitary building for school.
Owner—Windsford School District, D. M. Crawford and J. W. Chazan, trustees.
Architect—Edwin J. Sannes, Hartsfeld Bldg., Bakersfield.
Contractor—J. H. Dirksen, Shafter.
Following is a complete list of bids received:
J. H. Dirksen, Shafter.....\$1,549
George Isaac & Son, Shafter.....1,620
C. L. Stanley, 2218 24th St., Bakersfield.....1,684
F. H. Dequino, Wasco.....1,745
F. A. Greenough, 129 Lincoln St., Bakersfield.....1,758
Opperman & Hulbert, Box 141, Sta. A, Bakersfield.....1,758
Alva Hackney, Park Drive, Bakersfield.....1,851

Sub-Bids Being Taken.
RESIDENCE. Cost, \$6000
MILLBRAE HIGHLANDS, San Mateo Co., Cal.
One-story and basement frame and stucco residence (6 rooms) composition and tile roof, gas heat and hot air system, tile bath & kitchen
Owner and Builder—J. M. Johnson, Millbrae Highlands.
Architect—Not Given.

Construction Postponed.
RESIDENCE. Cost, \$—
HILLSBOROUGH, San Mateo Co.
Two-story and basement frame and stucco residence (12 rooms).
Owner—A. G. Simpson, Hillsborough.
Architect—W. W. Wurster, 260 California St., San Francisco.

Contract Awarded.
PARISH HOUSE. Cost, \$8000
SAN JOSE, Santa Clara Co., Cal.
One-story and basement frame and stucco hall.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—H. A. Minton, 525 Market St., San Francisco.
Contractor—Frank Neves, Santa Clara

Contract Awarded.
ALTERATIONS. Cost, \$3500
SAN FRANCISCO, 3215 Army Street.
Alterations to school.
Owner—St. Anthony's Church, premises.
Architect—J. J. Foley, 770 5th Ave.
Contractor—Mager Bros., 1359 4th Ave.

Contracts Awarded.
SCHOOL & HOME. Cost, \$200,000
SAN FRANCISCO, Silver Avenue.
Four-story reinforced concrete girls' school and home (electric refrigeration, oil burning heating system).
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—H. A. Minton, 525 Market St., San Francisco.
Contractor—J. A. Bryant, Ltd., Call Bldg., San Francisco.
Heating—A. A. Pollia, 401 14th Ave., San Francisco.
Plumbing—Scott Co., 243 Minna St., San Francisco.
Electrical—Chas. A. Langlais Co., 472 Tehama St., San Francisco.

SAN JOSE, Santa Clara Co., Cal.—Worley & Co., 39 Natoma St., San Francisco, at \$1415 awarded contract by State Purchasing Dept., Sacramento, to furnish and install lockers in the State Teachers' College, San Jose.

Plans Being Revised—New Bids To Be Taken.

SCHOOL. Cost, \$100,000
REDWOOD CITY, San Mateo Co., Cal.
NE Katherine and Grand Sts.

Two-story concrete school (Spanish type, ten classrooms, club house, auditorium and cafeteria).

Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.

Architect—H. A. Minton, 525 Market St., San Francisco.

Plans Being Figured—Bids Close September 22, 2 P. M.

WARD BLDG., ETC. Cost, \$150,000
ELDRIDGE, Sonoma Co., Cal.

One-story ward building and one-story addition to school (Ward building will have reinforced concrete foundations, floors, walls and partitions, roof of wood frame covered with clay tile. School addition to have reinforced concrete foundation and exterior walls, wood floors, wood frame roof covered with clay tile).

Owner—State of California.

Architect—Lowery & Ahnden, 605 Market St., San Francisco.

Separate bids will be entertained for the following segregate parts of the work:

1. General Work, embracing all branches of the construction other than Electric, Plumbing and Heating Work.

2. Electrical Work.

3. Plumbing Work.

4. Heating Work.

5. Combined Plumbing and Heating Work.

Alternate bid affecting the General, Electrical, Plumbing and Heating Work will be required for the omission of one wing of the Ward Building as outlined on the plans and designated at Alternate No. 1, omission of shop.

Contractors shall state clearly in their application the particular segregation of work that they desire plans for.

Sprinkler Bids Rejected—New Bids Being Taken.

SCHOOL. Cost, \$—
SACRAMENTO, Sacramento Co., Cal.

Thirty-fourth and W Streets.
Sprinkler system for one-story brick and steel manual training quarters for high school.

Owner—City of Sacramento School District, Charles Hughes, Superintendent, Board of Education.

Specifications being revised. On previous call for bids following were submitted:

Fire Protection Engineering Co., 369 Pine St., San Francisco, \$2398

Automatic Sprinkler Corp., S. F. 2976

Globe Automatic Sprinkler Corp., San Francisco, 4649

Carpenter & Mendenhall, Eacot... 5500

Plans Being Figured—Bids Close September 17, 8:30 P. M.

ADDITION. Cost, \$12,000
KENTFIELD, Marin Co., Cal. Martin

Junior College Campus.

One-story four-classroom addition to Science Building (wooden frame stucco exterior, tile roof).

Owner—Marin Junior College District, Kentfield.

Architect—A. A. Cantin, 544 Market St., San Francisco.

To Ask Bids About September 1st.

ADDITIONS. Cost, \$40,000
SALINAS, Monterey Co., Cal. Lincoln

and Roosevelt Schools.

Architect—Chas. F. Butner, Gilkburg stucco schools (tile roofs, steam heating system to connect to main heating plant).

Owner—Salinas City School District.

Architect—Chas. F. Butner, Gilkburg Bldg., Salinas.

BANKS, STORES & OFFICES

Contract Awarded.
ALTERATIONS. Cost, \$3,000

SAN FRANCISCO. No. 5 Pioneer Place.

Alterations to dining and serving rooms.

Owner—Society of Pioneers, No. 5 Pioneer Place.

Architect—Powers & Ahnden, 26 O'Farrell St.

Contractor—E. A. Anderson, 1177 De Haro St., San Francisco

Contract Awarded.
STORE. Cost, \$4,000

ARLINGTON ESTATES, Contra Costa Co., Cal. Arlington Avenue.

One-story frame and brick store (two stores; tile and tar and gravel roof; first unit).

Owner—H. F. Wehman, 1347 Grove St., Berkeley.

Architect—Hardman & Russ, Berkeley Bank Bldg., Berkeley.

Contractor—Patrick & Croft, % owner.

To Ask Bids Within One Week.
MARKET. Cost, \$25,000

BERKELEY, Alameda Co., Cal. Telegraph Ave. and Ward St.

One-story brick and tile drive-in market (steel trusses; composition roof).

Owner—J. E. Holstrom.

Architect—Treichel & Goodpastor, 1540 San Pablo Ave., Oakland.

Low Bidder.
REMODELING. Cost, \$—

SAN RAFAEL, Marin Co., Cal. 530 B Street.

One-story, hollow tile and stucco top addition to newspaper building and remodeling ground floor.

Owner—Harry Lutgens, % The Independent, 530 B St., San Rafael.

Architect—N. W. Sexton, deYoung Bldg., San Francisco.

Low Bidder—M. Dos Reis, Jr., 161 Pine Yolando, San Anselmo.

Plans Being Figured—Bids Close Aug. 31, 4:30 P. M.

RESTAURANT. Cost, \$7000
OAKLAND, Alameda Co., Cal. Outer

Harbor.

One-story frame and stucco restaurant (130x20 ft.; composition roof, stucco walls, magnesite flooring, etc.).

Owner—City of Oakland (Port Commission), 424 Oakland Bank Bldg., Oakland.

Plans by Eng. Dept. of Owner.

Sub-Contracts Awarded.
BUILDING. Cost, \$40,000

SAN FRANCISCO. Joyce and Clay Streets.

Two-story reinforced concrete building (Chinese style).

Owner—Chinese Y. W. C. A., 897 Sacramento Street.

Architect—Miss Julia Morgan, Merchants' Exchange Bldg.

Contractor—K. E. Parker, 135 South Park.

Grading—Sibley Grading & Teaming Co., 64 Landers St.

Structural Steel—Judson Pacific Co., 609 Mission St.

Contract Awarded.
REMODELING. Cost, \$—

SAN RAFAEL, Marin Co., Cal. 530 B Street.

One-story hollow tile and stucco top addition to newspaper building and remodeling ground floor.

Owner—Harry Lutgens, % The Independent, 530 B St., San Rafael.

Architect—N. W. Sexton, deYoung Bldg., San Francisco.

Contractor—M. Dos Reis, Jr., 161 Pine Yolando, San Anselmo.

Completing Plans
STORE. Cost, \$65,000

SAN MATEO, San Mateo Co., Calif. Second Ave. and Main St.

One and one-half story reinforced concrete store; terra cotta exterior, composition roofing (8 stores and mezzanines).

Owner—Merkel Bros., 201 B St., San Mateo.

Architect—Edwards & Schary, 550 Montgomery St., San Francisco.

Bids will be taken in two or three weeks.

Site Being Cleared.
OFFICE BLDG. Cont. price, \$5798

OAKLAND, Alameda Co., Cal. Telegraph Avenue.

Two-story frame office building (composition roof).

Owner—Withheld.

Architect—Williams and Wastell, 374 17th St., Oakland.

Contractor—F. A. Kurtz, 364 41st St., Oakland.

Present building on the site is being razed.

Plans Being Prepared.
ALTERATIONS. Cost, \$10,000

CHICO, Butte Co., Cal.

Alter bank for store building (new store fronts, marble and tile work, plumbing, etc.).

Owner—Bank of America.

Architect—H. A. Minton, Bank of America Bldg., San Francisco.

Bids will be taken in about one week.

Preparing Preliminary Plans.
PUBLIC UTILITY BLDG. \$100,000

LONG BEACH, Los Angeles Co., Cal. Pacific St. and Broadway.

Three-story and part basement reinforced concrete building (24,000 sq. ft. floor space).

Owner—City of Long Beach.

Architect—Dedrick & Bobbe, 901 Heartwell Bldg., Long Beach.

Sub-Contracts Awarded.
STORE. Cost, \$7000

SAN FRANCISCO. Ocean Avenue and Fairfield.

One-story frame and stucco store (composition roof).

Owner—C. E. L. Shaw.

Architect—Bertz, Winter & Maury, 210 Post Street.

Contractor—G. P. W. Jensen, 320 Market Street.

Concrete—Delucchi & Son, 3007 San Bruno Ave.

Reinforcing Steel—Pacific Coast Steel Co., 20th and Illinois.

Millwork—Pacific Mfg. Co., Monadnock Building.

Stair—Frank M. Phillips, 718 Bryant Street.

Glass—Tyre Bros., 668 Townsend St.

Plastering—G. Jacobsen, 55 Desmond Street.

Sheet Metal—J. J. DeLucchi, 1526 Powell St.

Plumbing—F. W. Snook Co., 596 Clay Street.

Electric Work—Electric Service Supply Co., Monadnock Bldg.

Wall Beds—Marshall-Stearns Co., Phenix Bldg.

Steel Sash—Detroit Steel Products Co., Hunter-Dulin Bldg.

Tile—Art Tile & Mantel Co., 221 Oak Street.

Painting—R. P. Paoli, 3159 Fillmore Street.

Composition Floors—Leroy Olson Co., 170 Hooper St.

Preparing Plans.
REMODELING. Cost, \$20,000

SAN RAFAEL, Marin Co., Cal. Peter Building.

Remodel first floor of Peter Bldg. for store (fixtures and interior decorating).

Owner—Louis Peter.
Architect—Not Given.
Lessee—Jacob Albert, San Rafael.
Lessee will take figures on work in about 30 days.

Sub-Contracts Awarded.
STORE Cost, \$250,000
SACRAMENTO, Sacramento Co., Cal. Two-story reinforced concrete and steel frame store.

Owner—S. H. Kress Co., Western Pacific Bldg., Los Angeles.
Architect—John Fleming, 1031 South Broadway, Los Angeles.

Contractor—Lindgren and Swinerton, Inc., California State Life Bldg., Sacramento.

Tile Work—Fischer Tile & Marble Co., 744 E. Webster St., Stockton.

Roofing—San Joaquin Lumber Co., Scott and Madison Sts., Stockton.

Plastering—Sam Greenback, San Francisco.

Painting—D. Zelinsky & Sons, 165 Grove St.

Other sub-contracts reported June 13 in full.

Preparing Plans.
AUTO DISPLAY ROOM Cost, \$5000

LIVERMORE, Alameda Co., Cal. One-story frame and brick auto display room (tile roof, plate glass, steel sash, cement floors, etc.)

Owner—Temporarily Withheld.
Architect—Leonard H. Ford, 1435 Harrison St., Oakland.

Preparing Preliminary Plans.
STORE Cost, \$150,000

LOS ANGELES, Cal. Leimert Park. Three-story class A reinforced concrete department store.

Owner—Walter H. Leimert Co., 523 W. 6th St., Los Angeles.

Architect—George J. Adams, 5514 Wilshire Blvd., Los Angeles.

Additional Sub-Contracts Awarded.
STORE Cont. price, \$76,000

SANTA ROSA, Sonoma Co., Cal. 4th Street.

Three-story brick and concrete store building (salesroom and offices; 60 by 90-ft.)

Owner—S. H. Kress & Co., 621 South Broadway, Los Angeles.

Architect—John Fleming, 1031 South Broadway, Los Angeles.

Contractor—Lindgren and Swinerton, Inc., California State Life Bldg., Sacramento.

Reinforcing Steel—Truscon Steel Co., Call Bldg., San Francisco.

Granite—California Cut Stone & Granite Co., 1237 Naples St., San Francisco.

Lumber—Henry Laws, Santa Rosa.

Miscellaneous Iron—Fair Mfg. Co., 617 Bryant St., San Francisco.

Electric Work—H. W. Jacobs Electric Shop, Santa Rosa.

Other sub-contracts previously reported.

Electric Contract Awarded.
ALTERATIONS Cost, \$30,000

SAN FRANCISCO, 214-218 Post St. Alterations to 5-story concrete building with terra cotta front.

Owner—Eastman Kodak Co., 545 Market Street

Architect—Bliss & Fairweather, Balboa Bldg.

Contractor—Barrett & Hilp, 918 Harrison Street.

Electric—W. H. Kirsten, 55 McAllister Street.

Other awards previously reported.

Being Done By Day's Work By Owner
ALTER BANK Cost, \$10,000

OKLAND, Alameda Co., Cal. 11th St. and Broadway.

Alterations to interior of bank.

Owner—Bank of America.
Architect—H. A. Minton, Bank of America Bldg., San Francisco.

Sub-bids are being taken by owner on some portions of the work.

Contract Awarded.
STORE Cost, \$8,500

SAN FRANCISCO, N. Chestnut St. E. Pierce St.

One-story and basement reinforced concrete store.

Owner—A. Myre, 1840 Turk St.

Plans by Owner.

Contractor—Christianson Brothers, 687 20th St.

THEATRES

Contract Awarded—Taking Sub-Bids.
THEATRE Cost, \$165,200

LOS ANGELES, Cal. Compton and Florence Avenues.

Class A reinforced concrete and brick theatre and store (347x132 ft.)

Owner—Fox West Coast Theatres.

Architect—S. Chas. Lee, 2404 7th St., Los Angeles.

Contractor—Robert E. McKee, 108 W. Sixth St., Los Angeles.

Work will begin immediately.

August 24, 1931
Contract to Be Awarded.
THEATRE Cost, \$400,000

STOCKTON, San Joaquin Co., Calif. Main Street bet. Market and Stanislaus Streets.

Two-story class A theatre.

Owner—National Theatres Syndicate, 25 Taylor St., San Francisco.

Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.

Contract has been delayed. All other details arranged. Expect to make award today. Bidders were:

E. H. Riley, Stockton.
J. A. Allen, Stockton.

J. F. Shepherd, Stockton.
Hamilton Const. Co., San Francisco.

MacDonald & Kahn, San Francisco.
J. Harold Johnson, San Francisco.

Lindgren & Swinerton, Inc., San Francisco and Sacramento.

I. M. Sommer Co., San Francisco.

Contracts To Be Awarded Today.
ALTERATIONS Cost, \$20,000

BERKELEY, Alameda Co., Cal. 3332 Adeline Street.

Remodeling reinforced concrete theatre.

Owner—Kaliski-Harband Theatre Co., 3332 Adeline St., Berkeley.

Architect—A. A. Cantin, 544 Market St., San Francisco.

Work involves new concrete stairway, pine flooring, re-arranging stage, ornamental plaster, revising electrical work, revising heating plant, general interior decoration.

General Contract—Alfred Hopper, 1769 Pleasant Valley Ave., Oakland, \$11,462.

Electrical Work—Matson & Seabrook, 4115 Broadway, Oakland, \$2500.

Heating—Chas. R. Watts, 1166 Spruce St., Berkeley.

WHARVES AND DOCKS

Steel Contract Awarded.
EXTENSION Cont. price, \$132,400

SAN FRANCISCO, Pier No. 38. Extension to pier (concrete piles; concrete deck; track aprons of creosoted lumber; steel frame shed; concrete walls; flat wood roof).

Owner—State of California (Harbor Commission).

Engineer—Frank G. White, chief engineer, Ferry Bldg.

Contractor—Healy-Tibbitts Const. Co., 64 Pine St.

Reinforcing Steel—Soule Steel Co. 1750 Army Street.

MISCELLANEOUS CONSTRUCTION

Miscellaneous Iron Contract Awarded
TRACK Cont. price, \$22,775

BERKELEY, Alameda Co., Cal. University Campus, Fulton Street and Bancroft Way.

Reinforced concrete Track Stadium (Bowl to seat approx. 30,000)

Owner—University of California.

Architect—Warren C. Perry, 260 California St., San Francisco.

Contractor—C. Lindley DeVellos, 360 Pine St., San Francisco.

Miscellaneous Iron—Fair Mfg. Co., 617 Bryant St., San Francisco.

Other sub-contracts reported July 29 and August 13.

ROSEVILLE, Placer Co., Cal.—Dykes Cafe, Savage Bros. Metal Shop and a rooming house were destroyed by fire last Tuesday night. The loss is estimated at \$25,000.

SAN JOSE, Santa Clara Co., Cal.—City council declares intention (5432) to construct a reinforced concrete pedestrian subway under Santa Clara St. opposite the Horace Mann School near Seventh St. The work will be financed under the Improvement Act of 1911. Protest hearing will be held September 8. John J. Lynch, city clerk. Wm. Popp, city engineer.

OAKLAND, Cal.—W. H. Larsen, 998 Sunnyside Road, submitted low bid at \$55 per sq. ft. to R. W. Robertson, secretary, Board of Playground Directors, 315 City Hall, for surfacing playground.

Hutchinson Co., 1450 Harrison St., submitted low bid at \$9 for surfacing the tennis courts. Larsen submitted the only other bid for this work, at \$116 per sq. ft.

Other bids received for surfacing the playground were: Lee J. Immel, 1031 Evelyn St., \$963, and Arthur Greer, Oakland, \$962.

Sub-Contracts Awarded.
BUILDING Cont. price, \$14,357

BERKELEY, Alameda Co., Cal. James Kenney Playground, 8th and Delaware.

One-story and basement frame and stucco recreation bldg. (U-shaped with lockers and showers in each wing and auditorium in center).

Owner—City of Berkeley.

Architect—James W. Placheck, Mercantile Bank Bldg., Berkeley.

Contractor—R. C. McBride, Sr., 2226 Le Conte St., Berkeley.

Lumber and Millwork—Sunset Lumber Co., 400 High St., Oakland.

Plumbing—Al Rowse, 978 Argar St., Oakland.

Electrical Work—E. L. Reed, 2138 76th Ave., Oakland.

Brick Work—G. Helrich, 2931 Ellis St., Berkeley.

Sheet Metal—Aarvak Sheet Metal Co., 2313 Valley St., Oakland.

Plans Being Figured.
AUDITORIUM Cost, \$500,000

WEST LOS ANGELES, Selby and Ohio Sts.

One-story and basement reinforced concrete auditorium (to seat 550).

Owner—Roman Catholic Bishop of Los Angeles and San Diego.

Architect—Henry Newton & Robert Murray, Architects' Bldg., Los Angeles.

OAKLAND, Cal.—City Port Commission has approved revised plans for a 70-ft. structural steel ladder for the Municipal Dredge and bids for construction will be asked shortly. The cost is estimated at \$8000.

Engineering News Section

BRIDGES

LOS ANGELES COUNTY, Cal.—Houghton & Anderson, 143 Rose St., Los Angeles, at \$28,558 awarded contract by State Highway Commission to construct a reinforced concrete bridge over Fern Canyon about 5 miles northeast of La Canada, consisting of one 120 ft. open spandrel arch span and seven 13 ft. 6 in. slab approach spans. Complete list of unit and total bids received on this project published in issue of August 12.

ORANGE COUNTY, Cal.—J. S. Metzger & Son, San Gabriel, at \$65,249 awarded contract by State Highway Commission to construct a bridge across North Arm of Newport Bay near Newport Beach, consisting of one 42 ft. 4 in. steel stringer removable span and 31 19 ft. timber spans with concrete deck on crosotied pile bents. Complete list of unit and total bids received on this project published in issue of August 12.

LAKEPORT, Lake Co., Cal.—County supervisors have authorized the construction of a steel and concrete bridge over Clover Creek at the south end of Main St. at Upper Lake. The county will furnish all materials on the project.

HUMBOLDT COUNTY, Cal.—Rocca & Caletti, San Rafael, at \$36,320 awarded contract by State Highway Commission to construct a bridge across East Branch of South Fork of the Eel River, 2.7 miles south of Garberville, consisting of one 102-ft. concrete barrel arch span and two 46-ft. concrete girder approach spans having spandrel walls faced with stone. Complete list of unit and total bids on this project published in issue of August 12.

TULARE COUNTY, Cal.—J. S. Metzger & Son, San Gabriel, at \$43,517 awarded contract by State Highway Commission to construct five reinforced concrete bridges varying from 48-ft. to 300-ft. in length between Tipton and Tulare. Complete list of unit and total bids received on this project published in issue of August 12.

GLENDALE, Los Angeles Co., Cal.—Until 10 a. m., September 1, bids will be received by city council to construct reinforced concrete single span rigid frame bridge on Canada Blvd. across Verdugo Wash. The bridge will be 43 ft. long and 68 feet wide. The roadway will be 58 ft. with a 5-ft. walk on each side. The work will include paving of approaches, approximately 5800 sq. ft. of 5-in. asphaltic concrete. Work will be paid for in cash. Certified check, 10%. J. C. Albers, city engineer. Bids were to have been received August 20 but the call was withdrawn in order to allow the city council to adopt a prevailing wage scale.

LOS ANGELES, Cal.—Merrill Butler, chief city bridge engineer, is completing plans and bids will be asked in October to construct the West Blvd. bridge over Venice Blvd.; will be a reinforced concrete structure of the continuous rigid frame type, 530 ft. in length, including two main spans of

66 ft. and 49 ft., the balance to be retaining wall. Work will be paid for in cash.

LOS ANGELES, Cal.—Merrill Butler, chief city bridge engineer, 657 City Hall, is completing plans for Tunnel Station Bridge. Will consist of building two wedge shaped structures to widen the present structure and re-align roadway; bridge will be of reinforced concrete girder type; approx. 300 ft. in length; estimated cost \$35,000. Work will be paid for in cash. Bids will be asked within 30 days.

SANTA CRUZ, Santa Cruz Co., Cal.—Until September 8, 4:50 P. M., bids will be received by T. E. Miller, County Clerk, to construct either a reinforced concrete bridge or a Warren Truss Steel Bridge supported by reinforced concrete abutments over the San Lorenzo River, near Felton Acres in the San Lorenzo Road District, to be known as the "Big Tree Bridge." Rate of wages to be paid on this project is cited in the official proposal published on page seven of this issue. Plans obtainable from Lloyd Bowman, county surveyor, on payment of \$3. Certified check 10% required with bid.

LOS ANGELES, Cal.—Merrill Butler, chief city bridge engineer, 657 City Hall, is completing plans for the concrete piers, retaining walls and other concrete work for the First St. and Glendale Blvd. grade separation. This work is to be done first in order to permit the early improvement of the Second St. intersection in connection with the improvement of Second St., west from Figueroa St. The estimated cost is \$100,000. The estimated cost of the concrete work is \$100,000. The steel superstructure, which will carry First St. traffic over the intersection, will be built later. This latter portion will be of all-steel construction with a main span of 200 ft. It is described as a steel arch structure, part through and part open deck of a type used in Continental Europe. The total length is 950 ft. The estimated cost of the steel work is \$200,000.

SANTA CRUZ, Santa Cruz Co., Cal.—Mayor Swanton urges city council to consider construction of a bridge at the end of Cooper street, similar in size and appearance of the bridge in De Laveaga Park, to relieve traffic on the Sequel Ave. and Water St. bridges. Roy Fowler, city engineer.

DREDGING, HARBOR WORKS & EXCAVATIONS

SAN FRANCISCO—Bids will be asked in the immediate future by the Board of Public Works for repairs to levee and dredging of a boat channel at the San Francisco (Mills Field) Municipal Airport.

CLE ELUM, Wah.—Until September 15, 2 P. M., bids will be received by U. S. Bureau of Reclamation, Ronald, Wash., for clearing the Cle Elum reservoir site, Yakima Project, located about 10 miles northwest of Cle Elum. The area to be cleared comprises about 2665 acres lying in a strip around and at the head of Cle

Elum Lake. The work has been divided into three schedules. Specifications No. 538-D, obtainable from above office.

MONTEREY, Monterey Co., Cal.—Until September 8, 7 P. M., bids will be received by Clyde A. Dorsey, city clerk, for the El Estero dredging project, involving 80,000 cu. yds. Bids previously received for this work were returned to bidders unopened due to the failure of the city council to specify the rate of wages to be paid in compliance with the state law. Plans obtainable from the city clerk.

SACRAMENTO, Sacramento Co., Cal.—Anson S. Blake & Hardy Hutchinson, 1450 Harrison St., Oakland, at \$2.54 per ton submitted lowest bid to U. S. Engineer Office to furnish, deliver and place approximately 12,000 tons of rip-rap stone along the Sacramento River between the mouth of Cache Slough and Mayberry Slough. Only other bids were submitted by Healy-Tibbitts Construction Co., 64 Pine St., San Francisco, at \$2.72 per ton. Bids under advisement.

SAN JOSE, Santa Clara Co., Cal.—Until September 8, 11 a. m. (time extended from August 31), bids will be received by Henry A. Pfister, county clerk, to construct a timber pile revetment or jetty on the Coyote Creek just south of Keyes street, in Supervisor District No. 2. Wages to be paid follow: Carpenters, \$9.00 per day; engineers, \$10.00 per day; laborers, \$4.00 per day, with double time payment for holidays and overtime. Specifications obtainable from Robert Chandler, county surveyor, on payment of \$1.

IRRIGATION PROJECTS

ELLENSBURG, Wash.—J. A. Terteling & Sons, Moscow, Idaho, submitted low bid to the U. S. Bureau of Reclamation, Ellensburg, Wash., August 21, at \$133,397, for the construction of earthwork and structures on the North Branch Canal Lateral System; Wippel Pump, Gravity and Turbine Laterals, Kittitas division, Yakima project, Washington. The work is located near Kittitas and Thral, Washington. The principal items and the estimated quantities involved are as follows:

- (1) 428,600 cu. yds. of all classes of excavation;
- (2) 11,100 cu. yds. of backfill about structures;
- (3) 1770 cu. yds. of concrete;
- (4) 1050 sq. yds. of dry rock paving;
- (5) placing 116,500 lbs. of reinforcement bars;
- (6) laying 7378 lin. ft. of 12 to 54-in. precast concrete pipe;
- (7) furnishing and erecting 74 M. ft. b. m. timbering in bridges and flumes; and
- (8) installing 30,600 lbs. of gates and gate lifts.

MACHINERY AND EQUIPMENT

BAKERSFIELD, Kern Co., Calif.—Until Sept. 3, 7:30 P. M., bids will be received by Phil Shallenberger, clerk, Fruitvale School District, to furnish one Ford standard school bus, mount-

ed on 157-inch wheel base, Model AA Ford Chassis. Specifications and further information obtainable from the clerk.

OAKLAND, Cal.—Until September 2, 8 P. M., bids will be received by John H. Kimball, Secretary, East Bay Municipal Utility District, 512 16th St., to furnish and deliver one ditch machine. Specifications and further information obtainable from secretary.

OROVILLE, Butte Co., Cal.—Butte County Supervisors have included in the new budget the sum of \$41,453 for the purchase of road equipment as follows: Graders to cost \$3230; two 60 Caterpillar tractors, cost \$782; two 30 Caterpillar tractors, cost \$505; bulldozer, cost \$1290; scarifier, cost \$1641; truck, cost \$9186; rock crusher, cost \$4500. J. A. Baumgartner, county road engineer.

OAKLAND, Cal.—City council has awarded contracts for equipment for the street department as follows: Allis-Chalmers Mfg. Co., 4653 Harrison St., Oakland, one track-type tractor.

Spears Wells Machinery Co., 1832 9th St., Oakland, one two-wheel drive motor grader.

Eby Machinery Co., 35 Main St., San Francisco, one tractor.

OCEANSIDE, San Diego Co., Cal.—Until September 8, 7:30 p. m., bids will be received by John H. Landes, city clerk, to furnish 1½-ton or 2-ton truck, with 1½-yd. to 2-yd. dump body; heavy duty hydraulic hoist. Bidders to furnish specifications. Allowance to be made on Model T Ford truck.

SAN GABRIEL, Los Angeles Co., Cal.—Until September 8, 5 p. m., bids will be received by Ira H. Stouffer, city clerk, to furnish one Ford (or equal) 1½-ton dump truck. Specifications obtainable from clerk.

FRESNO, Fresno Co., Cal.—Until Sept. 4, 11 A. M., bids will be received by H. S. Foster, city clerk, to furnish one 5-passenger touring car, 8-cylinder motor not less than 75 horsepower, silent shift transmission not less than 114-in. wheelbase, shipping weight not less than 2900 pounds; tires not less than 5.25 inch, 4 wheel brakes, hydraulic shock absorbers front and rear, bumpers front and rear, extra tire complete, regular tools and equipment. Allowance to be made for two Ford Touring and one Dodge Touring cars. Further information obtainable from clerk.

RAILROADS

FORT WORTH, Texas.—Hamilton & Gleason, Tramway Bldg., Denver, Colo., and Robert Bros., Chicago, Ill. (bidding jointly), will be awarded a contract by the Fort Worth and Denver City Railroad, Fort Worth Club Bldg., Fort Worth, Texas, for the construction of approximately 120 miles of railroad from Pampa, Texas, to Childress, Texas. The proposed work involves quantities as follows: 2,000,000 cu. yds. excavation; 3,000,000 cu. yds. fill; 18,000 lin. ft. corrugated pipe; Construction of 10 to 15 pile trestles of varying lengths.

R. C. Gowdy, Railway Exchange Bldg., Denver, Colo., is the chief engineer.

FIRE ALARM SYSTEMS

BERKELEY, Alameda Co., Cal.—Until September 1, 10 A. M., bids will be received by Florence E. Turner, city clerk, for furnishing two circuit

puncturing type fire alarm registers to be delivered f. o. b. fire alarm room, basement, City Hall. Certified check 10% required with bid. Specifications obtainable from clerk.

SAN LEANDRO, Alameda Co., Cal.—City Improvement Co., 2055 Center St., Oakland, at \$23 awarded contract by city council to install electric traffic signals at E 14th St. and Davis St., and E 14th St. and Dutton Ave.

FIRE EQUIPMENT

SAN MATEO, San Mateo Co., Cal.—Until September 8, 8 P. M., bids will be received by E. W. Foster, city clerk, to furnish pumping engine for Fire Department. Certified check 10% required with bid. Specifications obtainable from city clerk or city manager.

DUNSMUIR, Siskiyou Co., Cal.—American Rubber Co., at \$90 ft. and \$2 a pair for couplings, awarded contract by city trustees to furnish 1,000 ft. of 2½-in. standard fire hose. A telegraphic bid from another concern was rejected, not accompanied by a sample as required.

SAN FRANCISCO—Following bids received by Leonard E. Leavy, city purchasing agent, under Proposal No. 748, to furnish cotton, rubber lined fire hose for San Francisco Fire Department, as follows: (A) 2,000 ft. 3½-in.; (B) 15,000 ft. 2½-in.; (C) 5,000 ft. 1½-in.

American Rubber Mfg. Co., bidding San Francisco specifications, (a) \$31; (b) \$51; (c) \$31. Delivery in sixty days.

Pioneer Rubber Mills, bidding Victor Jacket, (a) \$.93; (b) \$.45; (c) \$.295; delivery, 30, 80 and 45 days respectively.

RESERVOIRS AND DAMS

PANAMA CANAL ZONE—As previously reported, bids will be received September 1, 10:30 A. M., by the office of the Panama Canal, Munitions Bldg., Washington, D. C. (Harry Burgess, Governor), for the construction of the Madden Dam, power plant and appurtenant works, Madden Dam Project, Canal Zone. The work is located near the village of Alhajuela on the upper Chagres river, in the Panama Canal Zone. The principal items are: 685,000 cu. yds. excav., all classes; 646,000 cu. yds. earth and rock fills in embankments; 518,000 cu. yds. concrete; 35,000 cu. ft. of grout; 35,000 lin. ft. drilling grout holes; 2,800,000 lbs. bars (rein.); 719,000 lbs. small metal pipe and fittings, installing; 705,000 lbs. large metal conduits, installing; 1,457,000 lbs. structural steel, installing; 6,700,000 lbs. gates, hoists and other metal work, installing.

Plans for this project have been issued by the Panama Canal Commission to the following firms and individuals:

Virginia Bridge & Iron Co., Roanoke, Va.

Frederick Snare Corp., 114 Liberty St., New York City.

W. S. Lee Engineering Corp., Charlotte, N. C.

Handaway Contracting Co., Columbus, Ga.

Hardie-Tynes Mfg. Co., Birmingham, Ala.

Armington Engr. Co., Euclid, Ohio.

Moretrench Corp., Rockaway, N. J.

Dravo Contracting Co., Neville Island Station, Pittsburgh, Pa.

Parklat, Inc., 142 Madison Lane, N. Y. City.

Heracles Constr. Co., 21 E. 40th St., New York City.

Walworth Co., 60 42nd St., New York City.

Vincent Bros. Co., 1470 Northwestern Bldg., Minneapolis, Minn.

MacDonald & Kahn Co., Ltd., Financial Center Bldg., San Francisco.

Ingalls Iron Works Co., 117 Liberty St., New York City.

Hates & Rogers Constr. Co., 111 W. Washington St., Chicago, Ill.

Standard Piping & Fitting Co., 49th and Grays Ave., Phila.

Pennsylvania Drilling Co., 1201-1215 Chartiers Ave., Pittsburgh.

S. J. Groves & Sons Co., 458 Xenion Bldg., Minneapolis, Minn.

U. S. Steel Products Co., Wilkins Bldg., Washington, D. C.

Morrison-Knudsen Co., 319 Broadway, Boise, Idaho.

Hitchcock & Tinkler, Inc., 295 Madison Ave., New York City.

General Electr. Co., 553 Colman Bldg., Seattle, Wash.

George Pollack Co., 1011 Forum Bldg., Sacramento, Calif.

General Electric Co., Federal and Marine Dept., Schenectady, N. Y.

S. S. Magoffin & Co., Adrian, Ore.

Ambursen Constr. Co., 295 Madison Ave., New York City.

Commercial Engr. Co., 805 Architects Bldg., Washington, D. C.

The Utah Constr. Co., 1 Montgomery St., San Francisco.

Stiers Bros. Constr. Co., 2920-44 Magazine St., St. Louis, Mo.

American Locomotive Works, Barr Bldg., 101 17th St., N. W., Washington, D. C.

Jones & Laughlin Steel Co., Pittsburgh, Pa.

Stevens Bros., 610-612 Endicott Bldg., St. Paul, Minn.

Connolly Contracting Co., St. Paul, Minn.

Utah Construction Co., Ogden, Utah.

Sullivan Machinery Co., 400 N. Michigan Ave., Chicago.

H. T. E. Beardsley, Inc., 165 Broadway, New York City.

American Hoist & Derrick Co., St. Paul, Minn.

Bent Bros., Inc., 419 S. Pecan St., Los Angeles.

Lynn Atkinson, 1316-17 Edwards & Wilsey Bldg., Los Angeles.

Pacific Iron & Steel Works, Canal St., Tacoma, Wash.

Pelton Water Wheel Co., 19th and Alabama Sts., San Francisco.

W. A. Bechtel Co., 155 Sansome St., San Francisco.

The Arundel Corp., Pier No. 2 Pratt St., Baltimore.

Bethlehem Steel Co., Wilkins Bldg., Washington, D. C.

T. H. Johnson, North Texas Bldg., Dallas, Texas.

Frederick L. Cranford, Inc., 149 Remson St., Brooklyn, N. Y.

Kilby Car & Foundry Co., Anniston, Ala.

Atkinson Constr. Co., 9135 Russet Ave., Oakland, Calif.

Commercial Contracting Co., 719 Livingston St., Elizabeth, N. J.

Russ Mitchell, 2701 Texas Ave., Houston, Texas.

Ross White, 14 Northcliffe Blvd., Toronto, Ont.

Westinghouse Electric & Mfg. Co., Washington Bldg., Washington, D. C.

M. H. Slocum, 2055 Veterans Ave., Los Angeles.

Guy F. Atkinson Co., Russ Bldg., 333 Montgomery St., San Francisco.

Chapman Valve Mfg. Co., Indian Orchard, Mass.

Newport News Shipbuilding & Dry Dock Co., (Hydraulic Division), 90 Broad St., New York City.

Fred Green, Le June Road, Palmyra, New Jersey.

White Truck & Transfer Co., 4950 Santa Fe Ave., Los Angeles.

J. A. Sargent, 1434 Evergreen Ave., Plainfield, N. J.

Magor Car Corp., 50 Church St., N. Y. City.

Union Steel Casting Co., 62nd and
Fifth Sts., Pittsburgh.

Frazier-Davis Constr. Co., Arcade
Bldg., St. Louis, Mo.

W. E. Callahan Constr. Co., Arcade
Bldg., St. Louis.

Star Iron & Steel Co., Tacoma,
Wash.

Scullin Steel Co., 6700 Manchester
Ave., St. Louis.

Rooth & Flinn Co., 1942 Forbes St.,
Pittsburgh, Pa.

Frazier-Davis Constr. Co., Arcade
Bldg., St. Louis.

New York Trap Rock Corp., 250
Park Ave., New York City.

J. G. Tripp, Lindell-Plaza Hotel, St.
Louis.

Sauerman Bros., 438 S. Clinton St.,
Chicago.

A. H. Myers, 3201 W. National Ave.,
Milwaukee.

Antillan Constr. Co., Obispo No. 7,
Horter Bldg., Havana, Cuba.

A. G. Reeves Steel Constr. Co., Al-
liance, Ohio.

Winston Bros. Co., 4580 Colorado
Ave., Seattle, Wash.

Rich Mfg. Co. Ltd., 3255 Santa Fe
Ave., Los Angeles.

Gardner-Denver Co., 616 N. Augusta
Ave., Baltimore.

E. H. Duff, 1308 F St., N. W., Wash-
ington, D. C.

Ingersoll-Rand Co., 11 Broadway,
New York City.

The Door Co., Inc., 1009 17th St.,
Denver, Colo.

General Excavator Co., Marion,
Ohio.

J. W. White Contracting Co., 56
Ellery St., Cambridge, Mass.

Morrison-Knudsen Co., Inc., 319
Broadway, Boise, Idaho.

The Carleton Co., Inc., Broadway
and 42nd St., New York City.

W. A. Riddell Co., Bucyrus, Ohio.

J. A. LePorte Corp., Baltimore.

J. F. Fitzgerald Constr. Co., 33
Chauncey St., Boston, Mass.

Treadwell Constr. Co., Midland, Pa.
The Blaw-Knox Co., 906 Widener
Bldg., Philadelphia.

John A. Roebeling's Sons Co., Tren-
ton, Ill.

The C. S. Johnson Co., Champaign,
Illinois.

Foley Bros., Inc., 117 Liberty St.,
New York City.

Steel Incorporated, Chamber of
Commerce Bldg., Los Angeles.

J. C. Pennypacker, Phoenixville,
Pa.

Kerlow Steel Flooring Co., 218 Cul-
ver Ave., Jersey City, N. J.

W. R. Grace Co., 332 Pine St., San
Francisco.

Cement Gun Co., Inc., Allentown,
Pa.

Truscon Steel Co., 17th and Eye Sts.,
N. W., Washington, D. C.

Brothers Machine Works, Chatta-
nooga, Tenn.

PIPE LINES, WELLS, ETC.

BAKERSFIELD, Kern Co., Cal.—W. H. Bradfield, 2208 Pacific Avenue, Bakersfield, submitted the apparent low bid of \$3.86 per lin. ft. to county supervisors for drilling a 12-in. water well on the grounds of the county general hospital. Bids follow:

W. H. Bradfield (1) drilling 12-inch well up to and including 350 ft. \$3.86;
(2) from 350 to 450 ft. or fraction thereof, \$4.17.

Hatherly & Talm, Oxnard (1) \$4.47;
(2) \$4.72.

Geo. Branch, Delano (1) \$4.48; (2) \$4.48.

Carl Larsen, Bakersfield (1) \$4.85;
(2) \$5.00.

E. L. Waldon, Bakersfield (1) \$4.95;
(2) \$4.75.

Scott Bros., Los Angeles (1) \$5.92;
(2) \$5.10.

Paul Fennell, Bakersfield (1) total \$2,093.90; (2) total \$553.10.
Taken under advisement until Aug.

SEWERS AND SEWAGE DISPOSAL PLANTS

PITTSBURG, Contra Costa Co., Cal.—Ross L. Calfee, engineer, 322 Arlington St., Berkeley, is making surveys for unified sanitary district connecting the Enes Tract, Orbslonia Heights and Bella Vista sections. Following completion of the survey a report will be submitted to property owners with a view to financing the work.

ISLETON, Sacramento Co., Calif.—Until September 11, 8 P. M., bids will be received by city trustees to construct main line sewer extensions for which bonds of \$5200 were voted last July. Specifications obtainable from Frank D. Talbot, engineer, 614 Forum Bldg., Sacramento.

SAN FRANCISCO.—C. B. Eaton, 715 Ocean Ave., at \$12,375 submitted low bid to Board of Public Works August 26 to construct Ingalls Street sewer. See complete unit and total bid listing in separate article on page five of this issue.

MISCELLANEOUS CONSTRUCTION

SAN JOSE, Santa Clara Co., Cal.—City council declares intention (5432) to construct a reinforced concrete pedestrian subway under Santa Clara St. opposite the Horace Mann School near Seventh St. The work will be financed under the Improvement Act of 1911. Protest hearing will be held September 8. John J. Lynch, city clerk. Wm. Popp, city engineer.

WATER WORKS

LOS ANGELES, Cal.—Following bids received by City Purchasing Agent, under Specification No. 2589, to furnish welded steel water pipe for Water and Power Departments:

(1) 400 lin. ft. laying lengths, 18-in. diameter, no girth seams, one longitudinal seam, dipped in Walles-Hermiston pipe coating.

(2) 3600 same 25½-in. diameter. (Alternate proposal A), same as items one and two, except that pipe shall have one longitudinal seam and not more than three girth seams. The bids follow:

Western Pipe and Steel Co. (2) \$2.70; (1-a) \$1.60.

Consolidated Steel Corp. (2) \$2.95; (1-a) \$1.90.

Los Angeles Manufacturing Co. (1-a) \$2.24; (2-a) \$3.08.

All terms net.

MONTEREY, Monterey Co., Cal.—Until September 5, 1:30 p. m., bids will be received by J. R. McKillop, clerk, Monterey Union High School District, to install and connect water main, hydrants and connections for the Monterey Union High School. Certified check 10% required with bid. Specifications obtainable from the clerk.

LOS ANGELES, Cal.—Until September 8, 11 a. m., bids will be received by Thomas Oughton, city purchasing agent, under Specification No. 2597 to furnish and deliver at various points within the city limits 70,000 lin. ft. 12-in. B & S c. i. water pipe and 150,000 lin. ft. 8-in. inside diameter B & S c. i. water pipe. Specifications obtainable from above.

BATTLE MOUNTAIN, Nev.—Wheelwright Construction Co., 412 23rd St., Ogden, Utah, at \$9,700 awarded contract by Lander County Commissioners to furnish and install c. i. water

mains in connection with water system, involving in the main 7,290 ft. 6-in., and 1,125 ft. 4-in. pipe with fittings.

Pittsburgh-Des Moines Steel Co., Rialto Bldg., San Francisco, at \$6,790 awarded contract to furnish and erect 75,000-gallon steel tank on 90 ft. tower. W. F. Kottke, Battle Mountain, Nev., at \$1,328 awarded contract to drill, equip one 300-ft. well in connection with the above works.

De Armond & Settelmeyer, Elko, Nev., engineers

ISLETON, Sacramento Co., Calif.—Until September 11, 8 P. M., bids will be received by city trustees to construct water main extensions including installation of additional fire hydrants for which bonds of \$4800 were voted last July. Specifications obtainable from Frank D. Talbot, engineer, 614 Forum Bldg., Sacramento.

SAN FRANCISCO.—Until Sept. 2, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to construct the Crystal Springs Aqueduct in connection with the Hetch Hetchy Water System. Est. cost \$120,000.

DENVER Colo.—Until 2 P. M., Sept. 1, bids will be received by the U. S. Bureau of Reclamation at the office of the Chief Engineer, Denver, Colo., for equipment under Spec. No. 533-D, as follows:

(1) 4.8 ft. b. 6.0 ft. cast iron shear gates, spigot frames, with "d"—3½ inches.

(2) Worm gear gate hoists, reduction transmission, stems, indicators and packing boxes as follows:

(a) 60:1 worm gear gate hoists with coupling part No. 44 bored and key-seated for 1 15/16-in. drive shaft.

(b) 3 ¾-in. diameter gate stems.

(c) Bevel spur gear reduction transmission, with coupling, part 30, bored and key-seated to fit engine take-off shaft. Dimensions to be furnished after engine is purchased in place.

(d) Gate height indicators with pitch diameter "P" of sprockets 5.97 in.

(e) 3¾-inch double packing boxes, complete.

Also lump sum for hoists, stems, reduction transmission, indicators and packing boxes under item 2.

(3) Trash rack and miscellaneous metal work.

Proposal guarantee, 10%. R. F. Walters, chief engineer.

SAN BERNARDINO, Cal.—Utilities Equipment Corp., by R. D. Wood & Co., Los Angeles, awarded contract by city water commission Aug. 17 at \$3.49 for furnishing 2200 ft. of 20-in. class 150, bell and spigot, cast iron water pipe, in lengths of 20 ft. 1½-in.

INGLEWOOD, Los Angeles Co., Cal.—Utilities Equipment Corp., by R. D. Wood & Co., Los Angeles, awarded contract by city council Aug. 17, for furnishing cast iron pipe as follows: (1) 2600 ft. 8-in. cast iron pipe, class 250 at 75.5c ft.; (2) 1100 ft. 12-in. cast iron pipe, class 250 at \$1.39 ft.

MONROVIA, Cal.—See separate bid listing on page five of this issue, covering bids received by Monrovia city council to furnish cast iron and steel pipe for municipal water department.

LOS ANGELES, Cal.—Lacy Mfg. Co., Los Angeles, awarded contract by city purchasing agent to furnish and erect 560,000-gallon steel water tank southeast of the Hollywood reservoir, under Specifications No. 2575.

OAKLAND, Cal.—Stauffer Chemical Co., 624 California St., San Francisco,

awarded contract by East Bay Municipal Utility District, to furnish aluminum sulphate for district use for year ending Sept. 1, 1932. A sliding scale of prices will be paid under the contract.

OAKLAND, Cal.—Grinnell Co. of the Pacific, 2230 Peralta Ave., Oakland, at \$319.61 awarded contract by East Bay Municipal Utility District, to furnish cast iron fittings.

SONOMA, Sonoma Co., Cal.—Stroud Bros., 1500 Union St., Bakersfield, at approximately \$15,000 awarded contract by Sonoma Water and Irrigation Co., Sonoma, for water reconstruction and replacement on water serving system serving Sonoma, Agua Caliente and Sonoma Vista. Sonoma system will be improved with storage tanks and the installation of additional pipe lines.

OAKLAND, Cal.—Steel Tank & Pipe Co. of California, 1100 4th St., Berkeley, at \$1660 awarded contract by East Bay Municipal Utility District to furnish 60,000-gallon steel water storage tank. Complete list of bids received on this work published in issue of July 20.

PLAYGROUNDS & PARKS

HAYWARD, Alameda Co., Cal.—City council is considering plans of A. S. Butler of the California Nursery of Niles for landscape work in connection with the city hall grounds.

STREETS AND HIGHWAYS

ISLETON, Sacramento Co., Calif.—Until September 11, 8 P. M., bids will be received by city trustees to improve various streets for which bonds of \$12,200 were voted last July. Specifications obtainable from Frank D. Tabbot, engineer, 614 Forum Building, Sacramento.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—Until Sept. 8, 3 P. M., bids will be received by J. G. Driscoll, county clerk, to pave streets in Santa Margarita, involving approximately 18,000 sq. ft. 4 in. asphaltic concrete pavement. Specifications obtainable from clerk.

SAN FRANCISCO.—Meyer Rosenber, 1755 San Bruno Ave., at \$5,127 submitted low bid to the Board of Public Works August 26 for drainage and surfacing Joost Ave. slide. See separate unit and total bid listing on page five of this issue.

PLACERVILLE, El Dorado Co., Cal.—El Dorado County Supervisors will request the State Highway Commission to improve the road between the city limits of Placerville and El Dorado, by way of Sacramento Hill.

SANTA ROSA, Sonoma Co., Cal.—Sonoma County seeks financial aid from the State Highway Commission in the construction of a road between Cotati and the resort area of the Russian River. The highway would extend to Guerneville through Sebastopol and Forestville. The supervisors will ask the state to pay \$150,000 of the estimated \$450,000 cost of the project. At present the supervisors desire \$10,000 of state funds to aid in the financing of surveys and the preparation of plans. The supervisors also will request the state to improve the highway extending southwesterly from Healdsburg through Hilton, Rio Nido and Monte Rio to Jenner, E. A. Peugh is county surveyor of Sonoma County.

SAN JOSE, Santa Clara Co., Cal.—City council declares intention (6438) to improve Seventh St. from Empire

to Jackson Sts., involving grading; 1½-in. asphalt conc. surface pavement on 2-in. asphalt conc. base; conc. curbs, gutters; 4-in. vit. pipe house sewer laterals; 8-in. vit. pipe storm drains. 1911 Act. Hearing Sept. 8. John J. Lynch, city clerk. Wm. Popp, city engineer.

GLENDALE, Los Angeles Co., Cal.—Until September 10, 10 a. m., bids will be received by city council to resurface Glendale Blvd. Project is divided into two contracts as follows:

(1) Between Lexington Dr. and Cerritos Ave., involving 530,000 sq. ft. 1½-in. asphalt conc. of a type to be determined by the bidder.

(2) Between San Fernando Rd. and Cerritos Ave., and between Lexington Dr. and Monterey Rd., involving 150,000 sq. ft. 1½-in. asphalt conc. surfacing of a type to be determined by bidder.

This is a cash job. Further information obtainable from J. C. Albers, city engineer.

SAN JOSE, Santa Clara Co., Cal.—City council declares intention (6441) to improve Main Hamilton View Drive from Thirtieth St. to point 48.25 ft. west of 31st St., involving grading; 1½-in. asphalt conc. surface pavement on 2½-in. asphalt conc. base; conc. curb, curbs and gutters; 4-in. vit. pipe house sewer laterals. 1911 Act. Hearing Sept. 8. John J. Lynch, city clerk. Wm. Popp, city engineer.

PLACERVILLE, El Dorado Co., Cal.—Until September 8, 8 P. M., bids will be received by Esther A. Mahler, city clerk, to widen Main St., bet. Charles St. and the Courthouse, involving (1) filling of cement gutters; (2) cutting back sidewalk on south side; (3) cutting back sidewalk on north side. Certified check or bidder's bond 10% payable to City Treasurer required with bid. Plans obtainable from city clerk on deposit of \$10, returnable. Wages per hour to be paid on this work follows: Crane operator, \$1.00; roller man, \$1.00; cement laborer, \$.35; cement finisher, \$.75; laborer, \$.35; oil spreader, \$.50; truck driver, \$.60. The same rate per hour cover overtime and holidays.

SAN JOSE, Santa Clara Co., Cal.—City council declares intention (5444) to improve Montgomery St. from Cinnabar to Julian Sts., and Cinnabar St. from Stockton Ave. to Autumn St., involving grading; 2-in. asphalt conc. surface pavement on 3½-in. asphalt conc. base; conc. curbs and gutters; 4-in. vit. pipe house laterals; conc. storm water inlets; 8-in. conc. storm drains; brick manholes, etc. 1911 Act. Hearing September 8. John J. Lynch, city clerk. Wm. Popp, city engineer.

SAN FRANCISCO—A. G. Raich, 46 Kearny St., at \$10,700 submitted lowest bid to Board of Park Commissioners, Park Lodge, Golden Gate Park, for an asphaltic covered flooring at the Palace of Fine Arts. Following is a complete list of bids:

A. G. Raich	\$10,700
Eaton & Smith	10,977
Pacific States Construction Co.	11,300
Fay Improvement Co.	11,590
California Construction Co.	11,421
P. L. Burr	13,830

Bids held under advisement.

RICHMOND, Contra Costa Co., Cal.—Until September 8, 8 p. m., bids will be received by A. C. Faris, city clerk, to improve Hall Ave. and a portion of 14th St. between Cutting Blvd. and Hall Ave. Estimated cost \$78,000. Project involves:

- (1) 15,000 cu. yds. excavation;
- (2) 6,900 cu. yds. filling;
- (3) 145,000 sq. ft. 2-in. asphalt concrete wearing surface on 8-in. cement

concrete base on 4 in. broken rock cushion;

- (4) 6,600 sq. ft. conc. curb, sidewalks;
- (5) 4,700 sq. ft. conc. curb, gutters;
- (6) 2,350 lin. ft. conc. curb, gutters;
- (7) 50 lin. ft. curb bar;
- (8) 5 tons asphalt concrete wearing surface;
- (9) 6 catchbasins "A", complete;
- (10) 4 catchbasins "B", complete;
- (11) 10 16-in. vit. sewer pipe tees;
- (12) 280 lin. ft. 16-in. vit. sewer pipe culvert;
- (13) 214 lin. ft. 8-in. corrugated iron culvert;
- (14) 1 twin 283-ft. reinforced concrete culvert, complete;
- (15) 75 cu. yds. concrete for soft spots.

Work under 1911 Act. Bond Act 1915. Plans obtainable from E. A. Hoffman, city engineer.

SAN JOSE, Santa Clara Co., Cal.—Until September 8, 11 a. m. (time extended from August 31), bids will be received by Henry A. Pfister, county clerk, to improve First, Alice and Third Sts. in Campbell, Supervisor District No. 4. Rate of wages to be paid follows: Roller engineer, \$9 per day; tractor operator, 30 to 50 hp., \$7 per day; common laborer, \$4 per day. With double payment for holidays and overtime. Deposit of \$1 required for specifications obtainable from County Surveyor Robt. Chandler.

SAN JOSE, Santa Clara Co., Cal.—Until September 8, 11 a. m. (extended from August 31), bids will be received by Henry A. Pfister, county clerk, to improve Gordon Ave. and Grunside Ave., in Supervisor District No. 3. Rate of wages to be paid follows: Roller engineer, \$9 per day; tractor operator, 30 to 50 hp., \$7 per day; common laborer, \$4 per day. With double payment for holidays and overtime. Specifications obtainable from Robt. Chandler, county surveyor, on payment of \$1.

PACIFIC GROVE, Monterey Co., Calif.—City council declares intention (3387) to improve portions of Dennett St., Oak St., Municipal Ave., 17-Mile Drive and Sinex Ave., involving:

- (1) 140,000 sq. ft. 2-in. asphalt concrete pavement on existing base;
- (2) 14,000 lin. ft. 24-in. header.

Estimated cost, \$18,004. 1911 Act. Bond Act 1915. Hearing September 17. Elgin C. Hurlbert, city clerk. E. Eames city engineer and city manager.

PACIFIC GROVE, Monterey Co., Calif.—City council declares intention (3393) to improve 5th and 6th Sts. bet. Lighthouse and Laurel Aves., and bet. Laurel and Pine Aves., involving:

- (1) 17,000 sq. ft. oil macadam on new base;
- (2) 11,000 sq. ft. oil macadam on existing base;
- (3) 2,500 lin. ft. conc. curbs and gutters.

Estimated cost \$16,000. 1911 Act. Bond Act 1915. Hearing Sept. 17. Elgin C. Hurlbert, city clerk. E. Eames, city manager and city engineer.

PACIFIC GROVE, Monterey Co., Calif.—City council declares intention (3384) to improve Pine Avenue bet. Eardley Ave. and 19th St., and Laurel Ave. bet. Eardley Ave. and Sixth St. and First St. bet. Lighthouse and Pine Aves., involving:

- (1) 30,000 sq. ft. 2-in. asphalt pavement on 3-in. base;
- (2) 280,000 sq. ft. 2-in. asphalt pavement on existing base;
- (3) 7,000 lin. ft. concrete curbs and gutters.

Estimated cost, \$46,000. 1911 Act. Bond Act 1915. Hearing Sept. 17. Elgin C. Hurlbert, city clerk. E. Eames, city manager and city engineer.

SAN ANTONIO, Calaveras Co., Cal.—George French, P. O. Box 675, Stockton, at \$10,552 awarded contract by county supervisors for oiling and surfacing 10 miles of roadway extending from the town of Valley Springs to the county line on the Valley Springs-Bellota Road.

MERCEKA, Humboldt Co., Cal.—City Engineer E. D. Gardner making surveys to widen and straighten Broadway from Wabash Ave. to city limits to a standard width of 100 ft. Estimates of cost will be submitted to the city council shortly.

PALO ALTO, Santa Clara Cal.—City council declares intention (995) to improve portions of Williams St., Cornell St., Oberlin Sts., etc., involving:

- (1) 66,336 sq. ft. grading;
 - (2) 647 lin. ft. integral gutter, curb and sidewalk;
 - (3) 153 lin. ft. integral driveway and gutter;
 - (4) 25,402 sq. ft. 6" concrete pavement;
 - (5) 327 tons asphaltic concrete wearing surface;
 - (6) 1764 lin. ft. "A" curb;
 - (7) 22,814 sq. ft. 4" sidewalk;
 - (8) 1763 sq. ft. sidewalk corners;
 - (9) 811 sq. ft. 6" driveways;
 - (10) 2 brick manholes;
 - (11) 2 catchbasins with castings;
 - (12) 2 catchbasins without castings;
 - (13) 325 lin. ft. 12" concrete storm sewer pipe;
 - (14) 80 lin. ft. 10" concrete storm sewer pipe;
 - (15) 80 lin. ft. 8" sanitary sewer main;
 - (16) 900 lin. ft. 1½" conduit;
 - (17) 4 electroliters.
 - (18) Incidental costs.
- 1911 Act. Hearing Sept. 14. E. L. Beach, city clerk. J. F. Byxbee Jr., city engineer.

SACRAMENTO, Cal.—City council declares intention (2311) to improve east one-half of Thirty-ninth St., from 36th Way east to point 1½ ft. north of McKinley Blvd., involving grading; conc. curbs, gutters and walks; c. i. gutter drains; vit. pipe sewer; conc. manholes; 2-in. asph. conc. pave. with seal coat on 3-inch cement gravel sub-base; install street lighting system, 1911 Act. Bond Act 1915. Hearing Sept. 10. H. G. Denton, city clerk. Fred J. Klaus, city engineer.

RIVERSIDE, Riverside Co., Cal.—Until 10 A. M., Sept. 8, bids will be received by county supervisors to improve approximately 10.5 miles of county highway in County Improvement District No. 7, in vicinity of La Quinta Hotel, near Indio. The approximate quantities are:

- (1) 1,020,567 sq. ft. California road mix (6-in. thick);
- (2) 570 ft. 18-in. corr. metal pipe;
- (3) 130 ft. 24-in. corr. metal pipe;
- (4) 2624 cu. yds. grading.

All materials, including light road oil, will be furnished by the contractors. The roadway to be paved will be 38 ft. wide with a 60-ft. right-of-way. The total estimated cost is between \$50,000 and \$60,000. Proceedings under county improvement act and bonds will be issued under 1915 bond improvement act. Davidson & Fulmor, 646 W. 7th St., are the engineers.

SALINAS, Monterey Co., Cal.—Until September 8, 10 a. m. (time extended from August 26), bids will be received by C. F. Joy, county clerk, to surface the Pacific Grove-Carmel Road in Supervisor District No. 5. Plans obtainable from County Surveyor Howard Cozens on deposit of \$10, returnable. The attention of bidders is called to the official proposal citing wages to be paid on this project.

POMONA, Los Angeles Co., Cal.—Until 12 M., Sept. 8, bids will be received by city council to construct vitrified sewers in Towne Ave., between Alvarado Ave. and Columbia Ave., etc., involving:

- (1) 1735.1 ft. 8-in vitrified sewer;
- (2) 968 ft. 4-in. vitrified sewer;
- (3) 3 manholes;
- (4) 1 flush tank;
- (5) 10 ft. ¾-in. galv. iron pipe;
- (6) 824-in. wyres;
- (7) 53 ¾-in. bends.

F. C. Froehde is city engineer. H. A. Leigh, city clerk.

SAN FRANCISCO.—As previously reported, bids will be received Sept. 16, 2:30 P. M., by S. J. Hester, secretary, Board of Public Works, to improve Section B of the Alemany Blvd. Est. cost \$25,000. Project involves:

- (1) 1 brick catchbasin;
- (2) 2 brick catchbasins to be reset;
- (3) 100 lin. ft. 10-in. V.C.P. curbs;
- (4) 2300 lin. ft. armored conc. curb;
- (5) 100 lin. ft. 2x10-in. redwood headers;
- (6) 57,000 sq. ft. asph. conc. pave.; 1½-in. asph. conc. wearing surface, 1½-in. binder course, and 8-in. class E concrete base, including 12-in. white conc. traffic marker;
- (7) 7000 sq. ft. asph. conc. pave, 2-in. asph. conc. wearing surface on 6-in. class F concrete base;
- (8) 1700 sq. ft. 1-course conc. side-walks;
- (9) 5 tons asph. conc. wearing surf;
- (10) 4 g-unit warning reflectors;
- (11) paint viaduct, lump sum;
- (12) lighting viaduct, lump sum.

Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineering, Department of Public Works, 3rd floor, City Hall, on deposit of \$10, returnable.

PLUMAS COUNTY, Cal.—Ale Basalt Rock Co., 8th St., Napa at \$20,224 awarded contract by U. S. Bureau of Public Roads, San Francisco, for applying bituminous binder and processing the existing crushed rock surfacing Sta. 96 plus 50 to Sta. 587 plus 00, Sections C and D of Route 23, Quincy-Beckwith National Forest Highway in Plumas County, 9.614 miles in length, involving:

- (1) furnish and apply 650 tons of bituminous binder, \$21.50.
- (2) 9.614 miles mix in bituminous binder treated crushed rock surfacing, \$550.
- (3) 9.614 miles of rolling, \$100.

Complete list of unit and total bids received on this project published in issue of July 31.

PACIFIC GROVE, Monterey Co., Calif.—City council declares intention (390) to improve Eardley Avenue bet. Lighthouse Ave. and Junipero Ave., involving:

- (1) 22,000 sq. ft. oil macadam on reconstructed base;
- (2) 32,000 sq. ft. oil macadam on existing base;
- (3) 3,500 lin. ft. concrete curbs and gutters.

Estimated cost, \$10,000. 1911 Act. Bond Act 1915. Hearing Sept. 17. Elgin C. Hurlbert, city clerk. E. Eames, city manager and city engineer.

SALINAS, Monterey Co., Cal.—Until September 8, 10 a. m., bids will be received by C. F. Joy, county clerk, to furnish and haul material to improve the Blanco and Breeze roads in Supervisor District No. 2, involving:

- (1) 16,000 tons base rock, furnish, haul and dump in spreader boxes on subgrade;

- (2) 644 bbls. 90-95 oil, haul and spread;
- (3) 1070 tons ¾-in. rock, furnish, unload and haul and dump on roadway.

Specifications obtainable from Howard Cozens, county surveyor, on deposit of \$5, returnable. Attention of bidders is called to the official proposal citing the scale of wages to be paid in connection with the work.

VENTURA, Ventura Co., Cal.—D. C. McMillan, city engineer, and Walter J. Fourt, city attorney, have been authorized to prepare the necessary procedure to construct the Meta St. cut-off to connect with the state highway. The estimated cost is between \$700,000 and \$800,000. The new street will have an 80-ft. right of way with a 56-ft. paved roadway.

REDWOOD CITY, San Mateo Co., Cal.—Until September 5, 10 a. m., bids will be received by C. H. Uhlenberg, clerk, Redwood City School District, for grading the Eagle Hill School site and for grading and terracing the rear and front of the new school. Certified check 10% payable to clerk required with bid. Plans obtainable from the architects on deposit of \$10, returnable.

MARTINEZ, Contra Costa Co., Cal.—Until September 8, 11 a. m., bids will be received by J. H. Wells, county clerk, to pave Road B-16 in Supervisor District No. 2, a distance of 6.855 ft. Certified check 10% payable to clerk required with bid. Specifications obtainable from R. R. Arnold, county surveyor.

MENLO PARK, San Mateo Co., Cal.—City trustees declare intention (319) to improve Curtis Street, Doyle and portions of other streets, involving:

- (1) 970 cu. yds. excavation;
- (2) 62 cu. yds. embankment;
- (3) 1,518 lin. ft. conc. curb and gutter (combination);
- (4) 6,983 sq. ft. 4-in. concrete walk;
- (5) 26,498.30 sq. ft. 2-in. asph. conc. wearing surface on 6-in. of water-bound rock base;
- (6) 648 sq. ft. 6-in. x 3-ft. conc. Valley gutter;
- (7) 11 driveway entrances;
- (8) 162 lin. ft. 4-in. vit. salt glazed sewer service connections;
- (9) 12 ¾-in. domestic water services (216 lin. ft.).

Estimated cost \$6,800. 1911 Act. Bond Act 1915. Hearing Sept. 1st. Fannie I. Kurtz, city clerk. Bert J. Mehli, city engineer.

FAIRFAX, Marin Co., Cal.—Town trustees declare intention (No. 1) to improve various streets in Improvement District No. 1 including the San Rafael-Olema Road, Bollinas Ave., etc., involving grading; asphaltic concrete and emulsified asphaltic penetration pavement; cement concrete curbs and gutters; vit. pipe sewers; brick and concrete manholes; hyd. cem. conc. catchbasins; corrugated iron and concrete part circle culverts; hyd. cem. conc. and rock sidewalks; hyd. cem. storm drain, etc. Work under Acq. and Imp. Act. of 1925. Hearing September 4. L. A. Grosbauer, town clerk. George W. Manley, engineer, 58 Yolanda Drive (Yolanda), San Anselmo.

STOCKTON, San Joaquin Co., Cal.—County Surveyor Julius Manthey preparing plans to resurface Yosemite Ave. from Escalon to the county line and the Old Cherokee Lane, abandoned by the State Highway Commission when the latter constructed the new Cherokee Lane cut-off.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
1238	Leonard	Duerner	3500
1239	Jackson	Buchanan	7000
1240	Horn	Owner	7000
1241	Lang	Adams	1000
1242	Janssen	Owner	12000
1243	Meyer	Owner	4000
1244	Allen	Owner	3500
1245	Gumberpatch	Adams	5000
1246	Hjul	Owner	2500
1247	General	Empire	2000
1248	Hedrick	Owner	2000
1249	Stern	Magill	1000
1250	Costello	Owner	3150
1251	Milano	Owner	3000
1252	Doelger	Owner	4000
1253	Y W C A	Parker	25000
1254	Christianson	Owner	7000
1255	Johnson	Owner	4000
1256	Stoneson	Owner	21000
1257	Renter	Owner	3500
1258	Stoneson	Owner	4000
1259	Standard	Owner	3500
1260	Johnson	Owner	10000
1261	Perdio	Carlson	1000
1262	Myre	Christiansen	7000
1263	Grant	Doelger	4000
1264	St. Anthony's	Owner	2000

DWELLING

(1238) N DUNCAN 100 E Dolores; 1-story and basement frame dwelling.
Owner—Mrs. J. F. Leonard, 26 Edinburg.
Plans by Mr. Duerner.
Contractor—J. C. Duerner, 26 Edinburg. \$3500

DWELLINGS

(1239) W 16th AVE. 150 N Wawona; two 1-story and basement frame dwellings.
Owner—A. Jackson, 325 Sutter St.
Architect—J. G. Little.
Contractor—Buchanan & Jackson, 325 Sutter St. \$3500 each

DWELLINGS

(1240) N SUTRO HEIGHTS 125 W 47th Ave.; two 1-story and basement frame dwellings.
Owner—J. Horn, 6044 Mission St.
Architect—Not Given. each \$3500

ALTERATIONS

(1241) E CHESTER 169 S Randolph; alterations to dwelling, new underpinning, etc.
Owner—Lang Realty Co., 39 Sutter St.
Plans by Contractor.
Contractor—D. S. Adams, 126 Chester. \$1000

DWELLINGS

(1242) E 30th AVE. 199 S Geary St.; three 1-story and basement frame dwellings.
Owner—E. A. Janssen, 811 Hearst Bldg.
Plans by Owner. each \$4000

DWELLING

(1243) E LANSDALE at Juanita; 1-story and basement frame dwelling.
Owner—Meyer Bros., 727 Portola Dr.
Plans by Owner. \$4000

DWELLING

(1244) E CORA 172 S Visitation; one-story and basement frame dwelling.

Owner—W. C. Allen, 206 Arleta Ave.
Architect—Not Given. \$3500

DWELLING

(1245) S MARINA BLVD. 385 E Fillmore; 2-story and basement frame dwelling.
Owner—Mr. and Mrs. C. C. Cumberpatch.

Plans by Contractor.

Contractor—D. S. Adams, 126 Chester Avenue. \$5000

ALTERATIONS

(1246) E FREMONT 137 N Harrison; alterations to building.
Owner—J. H. Hjul, 128 Russ St.
Plans by Owner. \$2500

SERVICE STATION BLDGS.

(1247) SW COR. 18th and Potrero; two 1-story steel frame service station buildings.
Owner—General Petroleum Corp., 301 Sansome St.
Plans by Owner.
Contractor—Empire Const. Co., 100 Bush St. each \$1000

DWELLING

(1248) E UTAH 82 N Mariposa; one-story and basement frame dwelling.
Owner—W. G. Hedrick, 171 Utah.
Architect—Not Given. \$2000

ALTERATIONS

(1249) SW COR. SCOTT and Chestnut Sts.; alterations to stores.
Owner—E. Stern, 3452 Divisadero St.
Architect—Not Given.
Contractor—C. T. Magill, 185 19th Ave. \$1000

DWELLINGS

(1250) E 38th AVE. 100 S Anza; two one-story and basement frame dwellings.
Owner—M. Costello, 821 34th Ave.
Plans by owner. \$3150

DWELLING

(1251) E FORTY-SIXTH AVE 225 N Santiago. One-story and basement frame dwelling.
Owner—B. Milano, 399 Templeton Ave., Daly City.
Plans by Owner. \$3000

DWELLING

(1252) W SEVENTH AVE 150 S Kirkham. One-story and basement frame dwelling.
Owner—H. Doelger, 300 Judah St., San Francisco.
Plans by E. K. Dobkowitz, 425 Monterey Bvd., S. F. \$4000

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - California

CLUB

(1250) SW CLAY AND JOICE STS.
One-story and basement Class A club.
Owner—Young Women's Christian Association, 620 Sutter St., S. F.
Architect—Julia Morgan, Merchants' Exchange Bldg., San Francisco.
Contractor—K. E. Parker, 135 South Park, San Francisco. \$25,000

CONCRETE STORE

(1254) N CHESTNUT 319 E Pierce.
One-story concrete store with basement.
Owner—Christianson Bros., 687 20th Ave.
Plans by owner. \$7000

DWELLING

(1255) E HOFFMAN 85 N 25th St.
One-story and basement frame dwelling.
Owner—P. P. Johnson, 225 Lincoln Way.
Architect—Not Given. \$4000

DWELLINGS

(1256) S VICENTE 58 E 33rd Ave.
Six one-story and basement frame dwellings.
Owner—Stoneson Bros. & Thorinson, 279 Yerba Buena.
Architect—Not Given. \$3500 each

DWELLING

(1257) N KIRKHAM 107 W 32nd Ave.
One-story and basement frame dwelling.
Owner—F. Reuter, 1205 4th Ave.
Plans by owner. \$3500

DWELLING

(1258) S SENECA 175 E Delano. One-story and basement frame dwelling.
Owner—Stoneson Bros. & Thorinson, 279 Yerba Buena Ave.
Architect—Not Given. \$4000

DWELLING

(1259) SE VIENNA 250 N Persia.
One-story and basement frame dwelling.
Owner—Standard Bldg. Co., 218 Castenada.
Plans by owner. \$3500

FLATS

(1260) S JEFFERSON 180 W Webster. Two-story and basement frame (2) flats.
Owner—P. P. Johnson, 225 Lincoln Way.
Architect—Not Given. \$10,000

ALTERATIONS

(1261) 3366 26TH ST. Alterations to dwelling, stucco front and improve.
Owner—P. Perdio, 3366 26th St.
Architect—Not Given.
Contractor—H. Carlson, 4341 17th St. \$1000

STORE

(1262) N CHESTNUT 144 E Pierce.
One-story concrete store.
Owner—A. Myre, 1840 Turk St.
Plans by Owner.
Contractor—Christiansen Bros., 687 20th Avenue. \$7000

DWELLING

(1263) E 21st AVE. 125 N Norelga; 1-story and basement frame dwelling.
Owner—H. B. Grant.

Plans by B. K. Dolkowitz, 425 Mont-
ceny Blvd.

Contractor—H. Doelger, 300 Judah St.
\$4000

ALTERATIONS

(1264) 3215 ARMY ST.; alterations to
school.

Owner—St. Anthony's Church, 3 215
Army St.

Architects—J. J. Foley, 770 5th Ave.
\$2000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
169	Fiske	Neklasen	4616
170	Y W C A	Parker	309802
171	Y W C A	Parker	26300
172	Fuerst	Brueck	2680
173	War Memorial	Guilfof	69185
174	Ahrens	Martin	6209
175	Challenge	Mundet	12669
176	Public Library	Reilly	47873
177	Billington	Lindberg	1029
178	Cervieres	Loustan	3630
179	McGowan	Weninger	21542
180	Pioneers	Anderson	2875

DWELLING

(169) LOTS 5 and 6 BLKS 6, Clarendon Heights; all work on 2-story frame dwelling.

Owner—H. T. Fiske and E. C. Boyle,
101 Carmel Ave.

Architect—Not Given.

Contractor—N. H. Neklasen, 446 Cr-
ienta.

Amount of payments not given.

TOTAL COST, \$4,616

Bond, \$2,308. Sureties, Commercial
Casualty Ins. Co. Limit, Oct. 1, 1931.

BUILDING

(170) E POWELL 68-9 S Clay S 68-9
E 137 N 55 E 56 to W Joice N 82-6
W 134-6 S 68-9 W 59; all work on
7-story concrete, steel and brick
building.

Owner—Young Women's Christian As-
sociation.

Architect—J. Morgan, Merchants Ex-
change Bldg.

Contractor—K. E. Parker, 135 South
Park.

Filed Aug. 20, '31. Dated July 31, '31.
On or before 5th of each month. 75%

Usual 35 days. 25%

TOTAL COST, \$308,802

Bond, \$154,901. Sureties, Pacific Ind-
em Co. Limit, 1 year. Plans and Spec.
filed.

BUILDING

(171) NE POWELL 68-9 S Clay S
68-9 E 137-6 N 55 E 56 to W Joice
N 82-6 W 134-6 S 68-9 W 59; all
work on 2-story brick building.

Owner—Young Women's Christian As-
sociation.

Architect—J. Morgan, Merchants Ex-
change Bldg.

Contractor—K. E. Parker, 135 South
Park.

Filed Aug. 20, '31. Dated July 31, '31.
On or before 5th of each month. 75%

Usual 35 days. 25%

TOTAL COST, \$26,300

Bond, \$13,150. Sureties, Pacific Indem-
nity Co. Plans and Spec. filed.

ALTERATIONS & ADDITIONS

(172) E CHURCH 78 N Valley; altera-
tions and additions to frame resi-
dence.

Owner—Mary E. and Geo. H. Fuerst,
1613 Church St.

Architect—Not Given.

Contractor—Michael Brueck, 600 Bay-
shore Blvd.

Filed Aug. 21, '31. Dated Aug. 18, '31.
Roof on \$893.33

Accepted 892.33

Usual 35 days. 893.33

TOTAL COST, \$2,680

Plans and Spec. filed.

SHEET METAL WORK

(173) BLOCKS bounded by Van Ness
Avenue, Franklin, McAllister and
Grove Sts.; sheet metal for Opera
House and Veterans' Bldg.

Owner—The Board of Trustees of the
War Memorial of San Francisco.

Architect—Not Given.

Contractor—Guilfof Cornice Works,
1234 Howard St.

Filed Aug. 22, '31. Dated Aug. 3, '31.
Tenth of each month. 75%

Usual 35 days. 25%

TOTAL COST, \$69,185

Bond, \$34,593. Sureties, Maryland Cas-
ualty Co. Limit, 330 days. Plans and
Spec. filed.

DWELLING

(174) W SAN PABLO AVE 17.56 from
Int. of W bdy line San Pablo Ave
and dividing line bet. Lots 12 and
13 Elk 25 SW 104.49 SE 17.72 SE
95 N 40 Ptn Elk 25 St. FRANCIS
Wood Extn. No. 2. All work for
two-story and basement frame
dwelling.

Owner—Miss Mabel Ahrens.

Architect—Masten & Hurd, 210 Post
St., San Francisco.

Contractor—Wm. Martin, 666 Mission
St., San Francisco.

Filed Aug. 24, '31. Dated Aug. 17, '31.
Frame up 1/4

Brown coated 1/4

Completed and accepted 1/4

Usual 35 days. 1/4

TOTAL COST, \$6,209

Bond, \$3104.50. Sureties, Jose Rolando
and Wm. Martin. Limit, 90 days.

Forfeit, none. Plans and specifica-
tions filed.

STORAGE ROOMS

(175) NE EIGHTEENTH AND YORK
E 200xN 137-6. All work for cold
storage rooms in building.

Owner—Challenge Cream & Butter
Assn., 807 Montgomery St., S. F.

Architect—Not Given.

Contractor—Mundet Cork Corp., 440
Brannan St., San Francisco.

Filed Aug. 24, '31. Dated June 15, '31.
As work progresses 75%

Usual 35 days. 25%

TOTAL COST, \$12,668

Bond, limit, forfeit, none. Specifica-
tions only filed.

ALTERATIONS

(177) S CLEMENT ST., between 7th
and 8th Aves. No. 637 Clement St.

All work for alterations and im-
provements to store.

Owner—A. M. Billington.

Architect—Not Given.

Contractor—C. Lindberg, 1 Naylor St.,
San Francisco.

Filed Aug. 24, '31. Dated Aug. 22, '31.
Brown coat plaster on \$343

Completed and accepted 343

Usual 35 days. 343

TOTAL COST, \$1029

Bond, \$525. Surety, H. Ahlzen and
M. Carlson. Limit, forfeit, plans and
specifications, none.

(Correction—Contractor's Name Omit-
ted)

LIBRARY

(176) W THIRTY-SEVENTH AVE.,
between Geary and Anza Sts. All
work for Branch No. 17, S. F.

Public Library.

Owner—Board of Trustees of the Pub-
lic Library and Reading Rooms of
San Francisco.

Architect—John Reid Jr., 405 Mont-
gomery St., San Francisco.

Contractor—Frank J. Reilly, 6350 Ful-
ton St., San Francisco.

Filed Aug. 24, '31. Dated July 30, '31.
TOTAL COST, \$47,873

Bond, none. Limit, 180 days. Forfeit,
none. Plans and specifications filed.

ALTERATIONS

(178) 1644 MCKINNON AVE.; altera-
tions and addition to 2-story frame

building into 1-story and base-
ment residence.

Owner—M. Cervieres.

Architect—Fabre & Hildebrand, 110
Sutter St.

Contractor—A. Loustau

Filed Aug. 25, '31. Dated Aug. 21, '31.
Rough carpenter, plumbing and
electric work completed. \$ 906

White coated 906

Completed and accepted 908

35 days after 910

TOTAL COST, \$3,630

Bond, \$1,815. Sureties, P. Loustau &
L. Loustau. Forfeit, \$5 per day. Limit,
70 days. Plans and specifications filed.

APARTMENT BLDG.

(179) SW BUCHANAN and Waller
S 30 x W 90; all work except light
fixtures, window shades, hardware,
wall paper, wall beds, the work,
refrigeration, water heater and
steam heating, for 3-story frame
apartment bldg.

Owner—Chester A. & Nicholine Mc-
Gowan.

Architect—Chas. F. Strothoff, 2224 17th
St.

Contractor—H. S. Meinberger, 343 4th
St.

Filed Aug. 25, '31. Dated Aug. 14, '31.
Wall and roof sheathing on \$5,385.50

Brown coated 5,385.50

Completed and accepted 5,385.50

35 days after 5,385.50

TOTAL COST, \$21,542.00

Bond, \$21,542. Sureties, Chas. Shipman
and Val Meininger. Limit, 120 days.

Plans and specifications filed.

ALTERATIONS

(180) 5 PIONEER PLACE; alterations
to dining and serving rooms.

Owner—Society of California Pioneers.

Architects—J. H. Powers and J. H.
Ahnden, 25 O'Farrell St.

Contractor—E. A. Anderson, 1177 De
Haro St.

Filed Aug. 26, '31. Dated Aug. 25, '31.
Electric wiring completed. \$1070

Completed and accepted 1085

Usual 35 days 720

TOTAL COST, \$2,875

Bond, \$2,875. Sureties, The Fidelity &
Casualty Co. of N. Y. Limit, 35 days.

Plans and Spec. filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

Aug 21, 1931—N LOMBARD 72-6 W
Gough W 32-6 x N 137-6 WA 171.

Marie Locabannal to Jorgensen &
McDonald. August 21, 1931

Aug 21, 1931—E 28th AVE 255 North
California N 25 x E 120 OL 98. A

and P Silberstein to C Cuevas
and F Johanns. August 19, 1931

Aug 21, 1931—NW PUNSTON AVE
and Judah St. Roman Catholic
Archbishop of San Francisco to

McClintic-Marshall Corp. August 19, 1931

Aug 20, 1931—E 11th AVE 175 S Lin-
coln Way S 25 x E 120 OL 663.

Paramount Security Co to whom
it may concern. August 11, 1931

Aug 20, 1931—W 2th AVE 150 South
Noriega S 25 x W 120. John P and

Angelina Crowley to Henry J. Doel-
ger. August 17, 1931

Aug 20, 1931—W 30th AVE 200 N
Fulton N 25 x W 120. Cutler & Co

to Henry Doelger. August 17, 1931

Aug 20, 1931—SW STOCKTON and
O'Farrell. Imperial Realty Co to

Barratt & Hilt. August 14, 1931

Aug 20, 1931—E 29th AVE 275 S Ri-
vera S 25 x E 120. Fred Gellert to

whom it may concern. Aug 20, 1931

Aug 20, 1931—E 29th AVE 50 S Ri-
vera S 25 x E 95. Carl and Fred

Gellert to whom it may concern. August 20, 1931

Aug 20, 1931—LOT 27 and SW 16-

665 ft Lot 28 blk 11 map Forest Hill Estate D Gilbert to Street & La Vole... Aug. 17, 1931
 Aug. 29, 1931—W 16th AVE 425-3 S Pacheco S 35 x W 120. C W and Marion W Wagner to Harvey W. Armbrust... August 19, 1931
 Aug. 29, 1931—S TARAVAL and 27th Ave 24-10 x 32-6. J L and T. Mitchell to J Bouchard... Aug. 20, 1931
 Aug. 19, 1931—SE LINE Lot 39 414K 368 and NE 1/4 Sec 10 38-44 1/2 m or 1 NW 25 SW 163 m or 1 SE 26 m or 1 ptn lot 39 blk 368 map ptn Case Tract. J and M Yngvason to whom it may concern... August 19, 1931

Aug. 19, 1931—W 33rd AVE 50 South Kirkham S 25 x W 95 01. 867. Whitney Inv Co, Ltd to whom it may concern... August 17, 1931
 Aug. 19, 1931—N 25th W 40 Nue W 24 m or 114. Iowa E Williams to Andrew C Anderson... Aug. 18, 1931
 Aug. 19, 1931—W BUCHANAN 102 S Jackson 50-7 1/2 x 80. T I and I E Strand to whom it may concern... August 19, 1931

Aug. 19, 1931—W 24th AVE 300 N Santiago N 25 x W 120 01. 1098. A M Boe to whom it may concern... August 19, 1931

Aug. 19, 1931—W 14th AVE 25 N Santiago N 25 x W 120 01. 1098. A M Boe to whom it may concern... August 19, 1931

Aug. 19, 1931—NW NAPLES 100 SW Excelsior. Carlo Garnerio to H H Isaac... August 14, 1931

Aug. 25, 1931—W SCOTT 50 S Turk S 50x30. M C Williams to C L. sen... October 20, 1930

Aug. 25, 1931—E THIRTY-SECOND 100.125 and 150 N Lawton N 25xE 120. Henry Dosler to whom it may concern... Aug. 21, 1931

Aug. 25, 1931—SW BRUSSELS 125 NW Olmstead St. No. 760 Brussels Et., Lot 25x120. W K Rosener to whom it may concern... Aug. 25, 1931

Aug. 25, 1931—NO. 325 MARKET St. within walls of Commercial building being ptn of ground floor and basement. A L and S J Shaprio to whom it may concern... August 22, 1931

Aug. 25, 1931—W FARREN AVE 75 N Edn N 25xW 90. The California State Assn of Chiropractors to J H Johnson... Aug. 22, 1931

Aug. 25, 1931—SW KIRKHAM AND Twenty-sixth Ave S 100x95. Herman Christensen to whom it may concern... Aug. 24, 1931

Aug. 25, 1931—SW SALA TERRACE and Ellington 25x88. A H Ohlsen to whom it may concern... August 25, 1931

Aug. 24, 1931—W ASHBURY 201-6 N Frederick N 125xW 186-3. The Roman Catholic Archbishop of S. F. to C X Schmidt (as' Superior Electric Co)... Aug. 5, 1931

Aug. 24, 1931—W ASHBURY 201-6 N Frederick N 125 W 186-3. The Roman Catholic Archbishop of S. F. to W J Monihan... Aug. 15, 1931

Aug. 24, 1931—LOTS 26 & 27 BLK 695-A and Lot 23 BLK 695-B Sub. Marian Realty Co, Ltd... Aug. 21, 1931

Aug. 24, 1931—W FOURTEENTH Ave 200 S Rivera 25x100; No. 2235 14th Ave. G Dahlistrom and J H Rooh to whom it may concern... August 22, 1931

Aug. 24, 1931—W SEVENTEENTH Ave 50 S Vicente S 25x95. W 17th Ave and Vicente S 25x95. W 17th Ave 100 S Vicente S 25x120. S F Johnson to whom it may concern... Aug. 24, 1931

Aug. 24, 1931—NW URANUS TERR. 109.862. A A Wesendunk Jr and J E Wesendunk to A A Wesendunk Jr... August 22, 1931

Aug. 24, 1931—W THIRTY-THIRD Ave 25 S Kirkham S 25xW 95. Whitney Investment Co, Ltd to No. 1, Geneva Terraces and Lot 16

BLK 3049, Monterey Heights. H and H Stenness to Stenness Bros & Thompson... Aug. 17, 1931

Aug. 24, 1931—NW CAYUGA AVE 230-826 SW Santa Rosa Ave 25x range 164.70 SW from S 17th W 100.33 S 25-9 E 89 m or 1 NE 27.20 m or 1 BLK E. Map Park Lane Tract No. 4. H C Stoeckle to V Filippis... August 21, 1931

Aug. 22, 1931—W 17th AVE 225 South Morgan S 25 x W 120 N 50 E 120 OL 677. E D and R Gilpin to whom it may concern... August 22, 1931

Aug. 22, 1931—S LOMBARD 100 W Steiner W 27 x S 95 E 22 N 10 E 5 N 85. O and J Landucci to S Steinauer... August 15, 1931

Aug. 22, 1931—E 32nd AVE 200 N Ulloa N 25 x E 120 OL 1166. P E Vukicevich to whom it may concern... August 21, 1931

Aug. 25, 1931—S RIVERA 32-6 West 29th Ave W 25 x S 100 OL 1093. C and F Gellert to whom it may concern... August 20, 1931

LIENS FILED

San Francisco County

Recorded Amount

Aug. 22, 1931—W 38th AVE 25 N Anza N 25 x W 82-6 S 25 E 82-6 N 25 to beg. G E Bew & Co vs A Johnson...\$80.60

Aug. 21, 1931—SW BRUSSELS 125 NW Olmstead 25x100. L. C. Lutz vs Golden Gate Hardwood Floor Co vs K W Oertel, W Rosener...\$220.98

Aug. 21, 1931—NW KEITH and Armstrong N 200 to S Yosemite Ave x W 50. R A Marshall vs L R Baumgartner and The Lacquer Paint Co, National Lacquer Co, Industrial Arts Mfg Co, F E Bencher and J D Lyon...\$220.98

Aug. 21, 1931—E GILROY and NE Jamestown. J P Gernetti vs H A Paton...\$212

Aug. 20, 1931—E FILLMORE 4524 S Washington S 49-6 x E 91-6 WA 316. Robert McCarthy vs M Blackfield and M Telin...\$1113

Aug. 20, 1931—NW MISSION 80 SW 9th, SW 60-4 x NW 125. Readymix Concrete Co, Ltd vs Sullivan and Sullivan, D W Scanlon...\$903.06

Aug. 19, 1931—SW BRUSSELS 125 NW Olmstead NW 25 x SW 120. Arc Electric Co vs W K Rosener and K W Oertel...\$105

Aug. 19, 1931—NE GOLDEN GATE AVE and Broderick E 30 x N 120 WA 510. J Jacobson as Atlas Steirbuilding Co vs C E Lyon...\$241

Aug. 25, 1931—E THIRTY-SIXTH Ave 125 S Irving St. S 25x120 California Constr Co vs A Kennealley and H Kennealley Harris...\$275

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount

Aug. 25, 1931—W MASON 104-1055 N Green N 23-14xW 137-6 50 VE 152. C Tramutolo to M Barbagelata exstr Estate A Barbagelata... Aug. 24, 1931—SE MARKET 150-14 NE Seventh SE 165-1 to NW Stevenson NE 75 NW 165-1 SW 75 to beg. Tyre Bros Glass & Paint Co to Feature Theatre Co and H I Heller Constr Co, Ltd...\$103.79

Aug. 30, 1931—N BUSH 206-3 West Buchanan W 29-6 x N 137-6 WA 273. F W Knipscheer as F W Kay Co to Jane Doe Jenkins and N Daneloff...\$103.79

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Amt.
5678	French	Owner	4000
5779	Civilian	D. C. Velless	3000
5801	Cesari	Owner	5500
5801	Conlogue	Owner	3160
5802	Dolan	Owner	5800
5803	Conlogue	Owner	3160
5804	Standard	Owner	1000
5805	Breuner	Electrical	1500
5806	Short	Owner	1500
5807	Frank	Leekins	3250
5808	Wollenberg	Motest	4500
5809	Confer	Owner	3000
5900	Duncan	Owner	2550
5901	Anderson	Owner	5000
5902	Walker	Pearson	5000
5903	Anderson	Owner	2000
5904	Dr. Groves	Schulz	10000
5905	Netherby	Owner	3000
5906	Johnson	Owner	4000
5907	Schubert	Webb	1980
5908	P. G. & E.	Owner	7800
5909	Harwood	Owner	3000
10000	Harsten	Rose	1000
10001	Whitehead	Owner	3000
10002	Warren	Owner	2500
10003	Brown	Owner	1500

RESIDENCE

(978) NO. 904 KEELER AVE. BERKELEY. Two-story 6-room 1-family frame residence and garage. Owner—O. M. French, 1738 Francisco St., Berkeley. Architect—Not Given. \$4000

REPAIRS

(979) 184-6 SANTA ROSA AVENUE. OAKLAND; fire repairs and alterations. Owner—J. Civilian, 184 Santa Rosa Ave., Oakland. Architect—Not Given. Contractor—C. Dudley DeVelbiss, 354 Hobart St., Oakland. \$3000

DWELLING

(980) 2563 53th AVE. OAKLAND; 1-story 6-room dwelling. Owner and Builder—Ira M. Cesari, 2555 Ransome Ave., Oakland. Architect—Not Given. \$5000

DWELLING

(981) 2314 HAVENSCOURT BLVD., OAKLAND. One-story six-room dwelling and one-story garage. Owner—F. W. Conlogue, 2607 64th Ave., Oakland. Architect—Not Given. \$3100

DWELLING

(982) S COCHRANE AVE 400 E Agnes, OAKLAND. Two-story 6-room dwelling. Owner—Leo J. Dolan, 770 Wesley Ave., Oakland. Architect—Not Given. \$5980

DWELLING

(983) 2306 HAVENSCOURT BLVD., OAKLAND. One-story six-room dwelling and garage. Owner—F. W. Conlogue, 2607 64th Ave., Oakland. Architect—Not Given. \$3100

ADDITION

(984) NE LAKESHORE AND MANDANA, OAKLAND. Brick and concrete addition. Owner—Standard Oil Co. of Calif., 1915 Broadway, Oakland. Architect—Not Given. \$4000

SIGN

(985) NW COR. 21st and Broadway, OAKLAND; electric sign. Owner—John Breuner Company. Architect—Not Given. Contractor—Elec. Prod. Corp., 950 30th St., Oakland. \$1500

ALTERATIONS

(986) 1733 FOURTH AVE., **OAKLAND**; alterations and additions.
Owner and Builder—C. W. Short, 574
Rosal Ave., Oakland.
Architect—Not Given. \$1500

DWELLING

(987) 1760 MT. BLVD., **OAKLAND**; one-story 6-room dwelling and 1-story garage.
Owner—M. Prink, 1650 Hopkins Street, Oakland.
Contractor—C. W. Leekins, 1650 Hopkins St., Oakland. \$3250
Architect—Not Given.

ALTERATIONS

(985) NO. 922 CHESTNUT ST., **ALAMEDA**. Alter old home.
Owner—Mary L. Wollenberg, 922 Chestnut St., Alameda.
Architect—Not Given.
Contractor—A. H. Monez, 1700 Leinert Blvd., Alameda. \$4500

RESIDENCE

(989) NO. 800 SHASTA AVE., **BERKELEY**. One and one-half-story five-room frame residence.
Owner—F. W. Confer, 5730 Keith Ave., Berkeley.
Architect—Not Given. \$3000

DWELLING

(990) NO. 2712 RITCHIE ST., **OAKLAND**. One-story 5-room dwelling.
Owner—Geo. Duncan, 2523 78th Ave., Oakland.
Architect—Not Given. \$2950

DWELLING

(991) NO. 4029 OAKMORE ROAD, **OAKLAND**. Two-story six-room dwelling.
Owner—Louis Anderson, 1451, E-36th St., Oakland.
Architect—Not Given. \$5000

RESIDENCE

(992) NO. 809 REAL ROAD, **BERKELEY**. Two-story 5-room frame and stucco residence and garage.
Owner—Mr. and Mrs. Walker.
Architect—J. Hudson Thomas, Mercantile Bank Bldg., Berkeley.
Contractor—G. A. Pearson. 1906 Berryman St., Berkeley. \$5900

RESIDENCE

(993) NO. 1309 BLAKE ST., **BERKELEY**. One-story 5-room 1-family frame residence.
Owner—A. T. Anderson, 9227 Birch St., Oakland.
Architect—Not Given. \$2000

(994) 690 SAN LOUIS ROAD, **BERKELEY**. Two-story, 9 rooms frame and stucco residence and garage.
Owner—Dr. H. H. Groves, 2314 Oregon St., Berkeley.
Architect—E. L. Synder, 2101 Shattuck Ave., Berkeley.
Contractor—H. K. Schulz, 811 Mendocino, Berkeley. \$10,000

DWELLING

(995) SW COR. PROCTOR AND FLORENCE. Two-story, 5-room dwelling.
Owner—W. A. Nethery, 3853 Lyman Road.
Architect—Not Given. \$3000

DWELLING

(996) 4237 ATLAS AVE. One-story 7-room dwelling.
Owner—O. W. Johnson, 3961 Magee Ave.
Architect—Not Given. \$4000

FIRE REPAIRS

(997) 545-55 FRANKLIN ST. Fire repairs.
Owner—Miss O. R. Schubert, 145 Franklin St.

Contractor—Webb & Whalin, 2930 22d Ave.
Architect—Not Given. \$1980

CONCRETE ADDITION

(998) 604 20TH ST. Concrete addition.
Owner—Pacific Gas & Elec. Co., 245 Market St., San Francisco.
Architect—Not Given. \$7800

DWELLING

(999) 3607 14th AVE. One-story 6-room dwelling.
Owner—W. P. Harwood and W. H. Warren, 3514 Lyon Ave.
Architect—Not Given. \$3000

REPAIRS

(1000) NO. 1115-17 FIFTH AVE., **OAKLAND**. Fire repairs.
Owner—M. Harstein, 1115 5th Ave., Oakland.
Architect—Not Given.
Contractor—A. H. Rose, 418 25th St., Oakland. \$1000

WAREHOUSE

(1001) N THIRD ST. 75 E Union St., **OAKLAND**. One-story warehouse
Owner—I. Whitehead, 321 Magnolia St., Oakland.
Architect—Not Given. \$3000

DWELLING

(1002) NO. 3632 MAPLE AVE., **OAKLAND**. One-story five-room dwlg.
Owner—W. H. Warren, 3502 Foot-hill Blvd., Oakland.
Architect—Not Given. \$2500

ADDITION

(1003) E GOULDIN ROAD, 1500 N Aspinwall Road, **OAKLAND**. Addition.
Owner—B. E. Brown, Box 362, R. F. D. 3, Oakland.
Architect—Not Given. \$1500

BUILDING CONTRACTS

Alameda County

No.	Owner	Contractor	Amt.
135	Breuner	Kulchar	41336
136	Breuner	Turgeon	
137	Starbuck	Courtright	6025

PAINTING

(136) NE VALLEY ST. and 21st St., Oakland; painting and finishing work on 8-story reinforced concrete store building.
Owner—John Breuner Company.
Architect—Albert F. Roller, Crocker First National Bank Bldg., San Francisco.
Contractor—J. A. Turgeon, 512 E 12th St., Oakland.

Filed Aug. 25, '31. Dated Aug. 17, '31.
Tenth of each month.....75%
Usual 35 days.....25%
TOTAL COST.....per sq. yd.
Bond: Performance, \$1163.75; Labor & Materials, \$1163.75. Sureties, Pacific Indemnity Co. Limit, Oct. 1, 1931.
Plans and Spec. filed.

DWELLING

(137) PTN LOT 15 BLOCK 7, Hotel Claremont Tract, Berkeley; general construction on 1½-story frame dwelling and garage.
Owner—E. T. Starbuck, 1421 Euclid Ave., Berkeley.
Architect—Henry H. Gutterston, 526 Powell St., San Francisco.
Contractor—T. D. Courtright, 5098 Ma-nila St., Oakland.

Filed Aug. 26, '31. Dated Aug. 24, '31.
When frame is up.....\$1506.25
When brown coated.....1506.25
When completed.....1506.25
Usual 35 days.....1506.25
TOTAL COST, \$6025
Limit, 90 days. Plans and Specifications filed.

COMPLETION NOTICES

Recorded	Accepted
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Aug. 21, 1931—NO. 1008 UNIVERSITY AVE., Berkeley. S B Hoy to George Petersen.....Aug. 21, 1931
Aug. 21, 1931—NO. 1543 BEVERLY Place, Oakland. Agnes Murray to Geo McMahon.....Aug. 21, 1931
Aug. 20, 1931—LOT 11 BLK 8, Fruitvale Garden Farms, Oakland. Oakland Company to A H Monez.....August 17, 1931

Aug. 20, 1931—LOT 35 BLK 13, Lakeshore Highlands, Oakland. Chas Lindsay, C Markus and Robt Appleby to whom it may concern.....August 18, 1931
Aug. 17, 1931—LOT 23 BLK 12, Oakmore Highlands, Oakland. Clara M Brawthen to Peter Kostal.....August 14, 1931

Aug. 19, 1931—STATE HIGHWAY bet Hayward and Livermore. Dept of Public Works, Division of Highways, State of California to Palo Alto Road Materials Co. Ltd; W O Tyson (two completions).....August 15, 1931

Aug. 19, 1931—LOT 348 BLOCK T, Fernside Tract, Alameda. Walter C Lofstrom to Walter H Anderson.....August 18, 1931
Aug. 19, 1931—PTN LOT 82, Central Square, Oakland. Harold W Nylander to whom it may concern.....August 17, 1931

Aug. 19, 1931—LOT 32 BLK A, Lower Piedmont Park, Piedmont. Charles Bright to Leo J Dolan.....Aug. 17, 1931
Aug. 19, 1931—CAMPUS of the University of California, Berkeley. The Regents of the University of California to The Turner Co; Barrett & Hlip; NePage-McKenny Co; Cork Insulation Co (4 completions).....August 11, 1931

Aug. 25, 1931—NO. 2851 SEVENTY-third Ave., Oakland. Walter Pressler to whom it may concern.....August 24, 1931
Aug. 25, 1931—NO. 2839 SEVENTY-third Ave., Oakland. Walter Pressler to whom it may concern.....August 24, 1931

Aug. 25, 1931—NO. 2845 SEVENTY-third Ave., Oakland. Walter Pressler to whom it may concern.....August 24, 1931
Aug. 25, 1931—NO. 1734 PEARL ST., Alameda. Estella Calvin to whom it may concern.....Aug. 8, 1931

4 r (800:Aug.25,1931
Aug. 24, 1931—NO. 5033 PROCTOR Ave., Oakland. W A Netherby to whom it may concern.....August 21, 1931

Aug. 24, 1931—NO. 1936 VICKSBURG Ave., Oakland. Edward C and Estelle M Rowden to G H Wendt.....August 19, 1931
Aug. 24, 1931—NO. 3721 VICTOR Ave., Oakland. Andrew Fleming to whom it may concern.....August 24, 1931

Aug. 24, 1931—SW FRUITVALE AV and Sloan St., Oakland. A F Gimbal to Jacobs & Pattiani.....August 8, 1931

LIENS FILED

Alameda County

Recorded	Amount
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Aug. 24, 1931—LOT 20 BLK 12, Lakeside Subdiv of Adams Point Ferry, Oakland. Berkeley Building Materials Co vs Axel C and Rachel H Nelson tnd M Media.....\$314.45
Aug. 24, 1931—PTN LOTS 11 AND 12 Blk 7, Highland Manor, Oakland. Perkins & Cox vs R G and Rachel Roberts.....\$160

Aug. 29, 1931—LOT 20 BLK 12, Lakeside Subdiv of Adam's Point Ppty. Concealo Fixture Co, Inc, \$501.40; Smith Lumber Co, \$315, vs Axel C. Rachel H and Henry Nelson.....

Aug. 29, 1931—LOT 20 BLK 12, Lakeside Subdiv of Adam's Point Ppty. E K Wood Lumber Co, \$806.57; N Poulsen, \$160; C W Abbott & Co, \$118.53; F Gonzalez, \$55; Bay Cities Asbestos Co, \$26, vs Axel C and A C Nelson.....

Aug. 19, 1931—LOT 46 BLK 4578, map of Madison Square, Oakland. M A DeCarlo vs James Hall.....\$47.79

Aug. 19, 1931—PTN PLOT 2, Lakeshore Highlands, Oakland. W F Garrett doing business as Garrett Mill & Lumber Co vs C A Russell.....\$76.10

RELEASE OF LIENS

Alameda County

Recorded	Amount
Aug. 29, 1931—264 SEVENTH ST., Oakland. A J Bowman, doing business as Bowman Bldg Supply Co to Gum Wing Woo.....	\$46.85
Aug. 29, 1931—LOT 24 and Ptn Lot 25 Blk R, Amended map of the Moss Tract, Oakland. B Cooper to Esther S Jepsen, Wm Graybill, Chas Blome.....	\$64.58

BUILDING CONTRACTS

SAN MATEO COUNTY

COTTAGE
LOT 9 AND PART LOT 7, Woodside Villas. All work for two-story and basement frame cottage.
 Owner—Charlotte W. Cadwalder.
 Architect—Martin A. Sheldon, Monadnock Bldg., San Francisco.
 Contractor—Louis M. Pollard, Isabella Ave., Atherton.

Filed Aug. 18, '31. Dated Aug. 18, '31.
 When shingled.....\$338
 Brown coated.....839
 When completed.....839
 Usual 35 days.....839

TOTAL COST, \$3355
 Bond, \$1600. Sureties C. B. Spangenberg and A. Hess. Limit, 90 working days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

LOT 9 AND PART LOT 7, Woodside Villas. All work for alterations and additions to one-story and basement frame residence.
 Owner—Charlotte W. Cadwalder.
 Architect—Martin A. Sheldon, Monadnock Bldg., San Francisco.
 Contractor—Louis M. Pollard, Isabella Ave., Atherton.

Filed Aug. 18, '31. Dated Aug. 18, '31.
 When shingled.....\$1696
 Brown coated.....1696
 When completed.....1696
 Usual 35 days.....1697

TOTAL COST, \$6785
 Bond, \$3440. Sureties, C. B. Spangenberg and A. Hess. Limit, 90 working days. Forfeit, none. Plans and specifications filed.

DOG & CAT HOSPITAL

NO. 2600 S EL CAMINO REAL, San Mateo. All work except plumbing, heating, electrical work and painting for frame and stucco dog and cat hospital.
 Owner—Dr. Harold H. Gratts.
 Architect—Treichel & Goodpastor, 409 American Bldg., Oakland.
 Contractor—Clarence Thrums.

Filed Aug. 18, '31. Dated Aug. 18, '31.
 Frame up.....25%
 Brown coated.....25%
 Completed.....25%
 Usual 35 days.....25%

TOTAL COST, \$9400
 Bond, \$4700. Surety, Fidelity & Casu-

alty Co. of New York. Limit, forfeit, none. Plans and specifications filed.

ALTERATIONS

MILLBRAE SCHOOL DISTRICT. All work for alterations and additions to one-story frame and stucco grammar school.
 Owner—Millbrae School District.
 Architect—T. M. Edwards et al, 550 Montgomery St., San Francisco.
 Contractor—Richard C. Stickel, South San Francisco.

Filed Aug. 19, '31. Dated Aug. 17, '31.
 Frame up.....\$2058.25
 Brown coated.....2058.25
 When completed.....2058.25
 Usual 35 days.....\$223.00

TOTAL COST, \$2281.25
 Bonds (2) \$4116.50. Surety, Consolidated Ind. & Ins. Co., N. Y. Limit, 100 days. Forfeit, \$10. Plans and specifications filed.

HOSPITAL

2600 SOUTH EL CAMINO REAL, San Mateo. Plumbing work for cat and dog hospital.
 Owner—Dr. Harold H. Gratts.
 Architect—Not Given.
 Contractor—Morrison & Blair, 415 Villa Terrace, Burlingame.

Filed Aug. 22, '31. Dated Aug. 17, '31.
 Roughed in.....\$685.40
 Completed.....231.80
 Usual 35 days.....Balance

TOTAL COST, \$1159.00
 Bond, limit, forfeit, plans and specifications none.

ELECTRICAL WORK ON ABOVE

Contractor—Bert Klose, 303 Lorton Ave., Burlingame.

Filed Aug. 22, '31. Dated Aug. 18, '31.
 As work progresses.....75%
 Usual 35 days.....25%

TOTAL COST, \$612
 Bond, limit, forfeit, plans and specifications filed.

RESIDENCE

BERISFORD ST., New Redwood City
 All work for frame residence.
 Owner—William L. Werner et al.
 Architect—Not Given.
 Contractor—A. H. Feasey, 150 Miraloma St., San Francisco.

Filed Aug. 20, '31. Dated.....
 1st floor up.....\$380.75
 Brown coated.....380.75
 When completed.....380.75
 Usual 35 days.....380.75

TOTAL COST, \$1523.00
 Bond, limit, forfeit, plans and specifications, none.

ADDITION

GARFIELD SCHOOL, Redwood City. All work for frame and stucco addition to school.
 Owner—Redwood City Grammar School District.
 Architect—A. I. Coffey, Phelan Bldg., San Francisco.

Contractor—H. H. Larson & Co., 64 South Park, San Francisco.

Filed Aug. 20, '31. Dated Aug. 18, '31.
 As work progresses.....75%
 Usual 35 days.....25%

TOTAL COST, \$8832
 Bonds (2) \$4416 each. Surety, Glen

Falls Co. Limit, 100 working days. Forfeit, \$10. Plans and specifications filed.

WASHINGTON SCHOOL, Redwood City. All work for addition to frame and stucco school.
 Owner—Redwood City Grammar School District.

Architect—A. I. Coffey, Phelan Bldg., San Francisco.
 Contractor—Guss Wailer, 221 Hudson St., Redwood City.

Filed Aug. 20, '31. Dated Aug. 18, '31.
 As work progresses.....75%
 Usual 35 days.....25%

TOTAL COST, \$6490
 Bonds (2) \$3212.50 each. Surety, Fidelity & Deposit Co. Limit, 60 working days. Forfeit, \$10. Plans and specifications filed.

RESIDENCE

PART LOT 6 BLK 9, Menlo Oaks. All work for one-story frame and stucco residence.
 Owner—George W. Sullivan et al, San Francisco.
 Architect—Not Given.
 Contractor—Arne M. Arnesen, 195 Lowell St., San Francisco.

Filed Aug. 20, '31. Dated July 21, '31.
 Roof sheathed.....\$1437.50
 Brown coated.....1437.50
 When completed.....1437.50
 Usual 35 days.....1437.50

TOTAL COST, \$5750.00
 Bond, none. Limit, 90 working days. Forfeit, none. Plans and specifications filed.

BUNGALOWS

LOTS 4 AND 31 BLK 19, San Mateo. Two five-room and breakfast nooks bungalows.
 Owner—Maurice Tosch.
 Architect—Not Given.
 Contractor—Ford Smith.

Filed Aug. 17, '31. Dated May 1, '31.
 Roof on.....25%
 Plastered.....25%
 When completed.....25%
 Usual 35 days.....25%

TOTAL COST, \$1500
 Bond, limit, forfeit, plans and specifications, none.

BUILDING PERMITS

SAN MATEO

RESIDENCE, \$4000; Lot 17 Blk 20, S-Grant St., San Mateo; owner and contractor, Lengfeld & Olund, 220 3rd Ave., San Mateo.

STORE building, \$1200; Lot 6 Blk 6, No. 240 Third Ave., San Mateo; owner, Frederic Smith, 300 E St., San Mateo; contractor, Lengfeld & Olund, 220 3rd Ave., San Mateo.

BUNGALOW, \$5000; Lot 21 Blk 52, No. 143 S-Humboldt St., San Mateo; owner and contractor, A. Eranoseian.

RESIDENCE, \$4000; E 40 ft. Lot 4 Blk 4, No. 461 26th Ave., San Mateo; owner and contractor, Castle Bldg. Co., El Camino and Allen Ave., San Mateo.

HOSPITAL, dog and cat, \$11,800; Ptn Stader 5-acre tract, 2600 El Camino; owner, Dr. Harold Grath, 2600 El Camino; architect, Trechel

Member Insurance Brokers' Exchange

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San Francisco

& Goodpastor, 409-410 American Bldg., Oakland; contractor, C. H. Thomas, 28 Hume Place, Oakland.
RESIDENCE, \$4000; lot 67 Pine St.; owner and builder, J. E. Cooksey, 702 S. Humboldt.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
Aug. 15, 1931—PART LOT 1, Grace-land Park, San Mateo, K A Winter to whom it may concern.....	Aug. 12, 1931
Aug. 15, 1931—LOT 2 BLK 39, Easton, Frank M Threl to In-gvard Sorensen.....	Aug. 8, 1931
Aug. 15, 1931—LOT 35 BLK 6, Crocker Estate Tract, San Mateo, Harry Shapiro.....	Aug. 14, 1931
Aug. 17, 1931—LOT 13 BLK M, Hills-borough Park No. 2, Clayton Westbay to Harold E Gray.....	August 14, 1931
Aug. 17, 1931—LOT 10 and Part Lot 11 Blk..... San Mateo, Bertha Thyle to Morris & Weiner.....	August 12, 1931
Aug. 17, 1931—LOT 13 BLK 22, Bel-mont, August Holland et al to H H MacDonald.....	Aug. 5, 1931
Aug. 17, 1931—LOT 16 BLK 28, Red-wood Highlands, Thomas Nelson et al to whom it may concern.....	August 12, 1931
Aug. 17, 1931—LOT 10 BLK 1, Dun-can Park, San Mateo, Chas Ray-mond Raffensperger to whom it may concern.....	Aug. 7, 1931
Aug. 17, 1931—PART LOT 50 BLK 6, San Mateo Villa Park, Gertrude Ramsey to whom it may concern.....	Aug. 15, 1931
Aug. 17, 1931—LOT 6 BLK 9, Welles-ley Park, San Mateo, Herman T Theil et al to whom it may concern.....	Aug. 17, 1931
Aug. 18, 1931—LOT 3 BLK 12, Wood-side Glens, Alexander Beckman to whom it may concern.....	August 10, 1931
Aug. 18, 1931—LOT 4 BLK 3, Ather-ton Oaks, H E Bourquin to whom it may concern.....	Aug. 10, 1931
Aug. 19, 1931—LOT 26 BLK 37, Municipal Ppty, Mable C Garliste to whom it may concern.....	Aug. 15, 1931
Aug. 19, 1931—SECTION B, San Mateo County, State of Calif, to Lance & Kooser and W O Tyson (2 completions).....	Aug. 15, 1931
Aug. 19, 1931—SKYLINE BLVD, State of California to J O Shea.....	August 15, 1931
Aug. 19, 1931—LOT 5 BLK 29, Mill-brae Villa Highlands, Victor E Chalk to whom it may concern.....	Aug. 17, 1931
Aug. 21, 1931—STATE HIGHWAY, State of California to H E Casey Co.....	Aug. 17, 1931
Aug. 21, 1931—BROADWAY, Burlin-game, Stelling & Gould Co, Ltd to G P W Jensen.....	Aug. 14, 1931
Aug. 22, 1931—LOT 4 BLK G, South-gate being situated in Palo Alto, Keith G Nauman to D C Lawson.....	August 18, 1931
Aug. 22, 1931—HILLSBOROUGH, Celia Clark Tobin to Leadley & Wiseman.....	Aug. 14, 1931
Aug. 22, 1931—SAN FRANCIS-quito Creek (Bridge) State of California to Barrett & Hilt.....	August 19, 1931
Aug. 22, 1931—LOTS 1, 2, 3, 4, 5 and 6 Blk 7, Stanford Park, Joseph Wasserman to W H Ball.....	August 17, 1931
Aug. 22, 1931—LOT 1 BLK F Hills-borough Park, J E Kennedy to Dal-y Bros, Inc.....	Aug. 20, 1931
Aug. 22, 1931—LOT 6 BLK 7, Central Park, Eric Standquist to whom it may concern.....	Aug. 22, 1931

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
Aug. 20, 1931—LOT 8 BLK 18, Easton, Star Ornamental Iron Works vs R N Noble et al.....	\$1030.30
Aug. 21, 1931—LOT 10 BLK 36, Lyon & Hour Sub, Burlingame, W W Titcomb, \$39.93; George R Nelson, \$68.75 vs G S Conger et al.....	
Aug. 21, 1931—LOT 2 BLK 4, Mil-brae Highlands, E E Phillips et al vs Joseph Fagnani et al.....	\$36.63
Aug. 22, 1931—LOT 10 BLK 36, Lyon & Hour Sub, Burlingame, W C Haller, \$105; Martin Kassner, \$48.50 vs H A Norton et al.....	
Aug. 15, 1931—LOT 8 BLK 18, East-on, Sunset Lumber Co vs R N Noble.....	\$155.85
Aug. 17, 1931—LOT 8 BLK 18, Easton, W D Herrick, \$197; G Brigato, \$706.50 vs R N Nobles et al.....	
Aug. 18, 1931—ARGUELLO ST., Red-wood City, Edward Brady vs W T Alexander et al.....	\$139.50
Aug. 18, 1931—LOT 90 Wellesley Park, San Mateo, Edward Brady et al vs W T Alexander et al.....	\$202.50

BUILDING PERMITS

REDWOOD CITY

ADDITION, 2-story, to frame dwell-ing, \$1250; 1490 Kentfield Avenue; owner, C. E. Archibald.
DWELLING, frame, 5 rooms, bath & garage, \$3000; 462 King, owner, Ferdinanda Zani.
ADDITION, frame, \$6500; location omitted; owner, Redwood Gram-mar School Dist.; contractor, Gus Waller.
DWELLING, frame, 5 rooms, bath & garage, \$3000; 358 Iris; owner, E. Strandquist.
OFFICE building, brick, \$12,150; No. 95 Perry St., Redwood City; own-er, Union Ice Co., 354 Pine St., San Francisco; contractor, Taylor & Goerliche, Sharon Bldg., San Francisco.

BUILDING PERMITS

PALO ALTO

RESIDENCE, shingle, \$4500; No. 701 Oberlin St., Palo Alto; owner, Jas. Wead; contractor, V. J. Jean.
ADD to residence, \$3000; No. 800 Hamilton Ave., Palo Alto; own-er, John F. Story, Premises; con-tractor, W. E. Klay, Menlo Oaks Drive, Menlo Park.

BUILDING PERMITS

SAN JOSE

RESIDENCE, frame, 7-room, \$6000; Ayer St. near San Pedro, San Jose owner and contractor, Geo. Mc-Crory, 1024 Clark Way, San Jose.
SUPER service and filling station, \$5000; NE San Salvador and Sec-ond Sts., San Jose; owner, H. R. Trip, General Delivery, Capitola; contractor, Wm. H. Ball, 1022 Leunon Way, San Jose.
ALTER frame residence, 1500; No. 34 S. Morrison St., San Jose; owner, W. H. Ackerman, Premises.
RESIDENCE, frame, 6-room, \$6500; Shasta St. near Park St., San Jose; owner, C. W. Williams, 272 E. San Carlos St., San Jose; con-tractor, Rolie Williams, 1527 Shasta St., San Jose.
RESIDENCE, frame, 5-room, 5000; N. Fourth near Taylor St., San Jose; owner, J. Urzi, 491 N. Ninth St., San Jose; contractor, N. J. Nelsen, 1170 Iris Court, San Jose.

RESIDENCE, frame, 5-room, \$4000; NW Locust and Reed Sts., San Jose; owner, Thomas Petta, Premises; contractor, E. Delmaes-tro, 460 W. Julian St., San Jose.

BUILDING CONTRACTS

SANTA CLARA COUNTY

HALL
W SAN CARLOS AVE., bet. Cleve-land and Topeka Aves., being Lot 15 Blk 12, Interurban Park Subd., San Jose. All work for parish hall.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—H. A. Minton, 525 Market St., San Francisco.
Contractor—Frank Nevis, Santa Clara Filed Aug. 24, '31. Dated Aug. 17, '31.
As work progresses.....
TOTAL COST, \$7783
Bond, none. Limit, on or before Oct. 19, 1931. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded	Accepted
Aug. 25, 1931—SE HAMILTON AVE and SW Guinda St. SW on Hamil-ton Ave 100 L SE Guinda St. 100 L NE Hamilton Ave 100 to Guinda L NW 100 on Guinda Street, Palo Alto. Justus E and Lottie M Zimmerman to W F Klay.....	
Aug. 25, 1931—LOT 9 BLK 1, Dana Subd Sec 12 Tsp 7 S R 1 W, C-23-09 M/66, San Jose. C I Bordeaux to whom it may concern.....	Sept. 24, 1931
Aug. 25, 1931—LOT 4 Phelps sub-division 9 A. C. Road District No. 4, Santa Clara. Wesley Toy to George L Honore.....	Aug. 20, 1931
Aug. 20, 1931—87 N-SAN PEDRO St., San Jose, Attilio, John and Augustine Ferrari to W M Cald-well.....	August 7, 1931
Aug. 21, 1931—LOT 33 BLK 124, Crescent Park Addition No. 3 to City of Palo Alto. Charles and Emma D Pogue to W H Gibson.....	Aug. 15, 1931
Aug. 21, 1931—LOT 7 BLK 18, Map No. 2, Town of Los Altos, M of Map No. 23, Situated in Secs. 31 and 32 Tsp. 6 S R 26. LeRoy Mowreader to whom it may concern.....	Aug. 19, 1931
Aug. 24, 1931—LOT 1 BLK 26, Map of that part of the Reed Addn to City of San Jose conveyed by J. F. Reed, et al to S. O. Houghton recorded March 18, 1929, C Muncel 322. Sibyl Jessie Ruddick to B H Painter.....	Aug. 22, 1931

LIENS FILED

SANTA CLARA COUNTY

Recorded	Amount
Aug. 24, 1931—NW JACKSON ST. and SW Fourth St. NW on Fourth 45.10xNW 137.50 to pt of beg., Ptn Blk 11, White's Addn, San Jose. Williams & Russo vs Chan Wing Jing.....	\$185.49
Aug. 24, 1931—NO. 131 JACKSON St., San Jose, Southern Lumber Co vs Chan Wing Jing.....	\$476.05

BUILDING CONTRACTS

SONOMA COUNTY

SCHOOL
JUNIOR COLLEGE DISTRICT SITE, near Santa Rosa. All electrical work called for in Proposition No. 1, New Junior College Second Unit.
Owner—City of Santa Rosa Junior College District.

Architect—Not Given.
Contractor — Karl F. Stolling, Santa Rosa.
Filed Aug. 20, '31. Dated Aug. 11, '31.
As work progresses 75%
Usual 35 days 25%
TOTAL COST, \$1200
Bonds (2) \$200 each. Surety, Constitution Indemnity Co. Limit, 30 days from date. Forfeit, not to exceed \$10 a day. Plans and specifications, none.

COMPLETION NOTICES

SONOMA COUNTY

Recorded Accepted
Aug. 18, 1931—LOT 2 BLK 5, Cedar Addition to Sebastopol with certain exceptions. I. S. Waterbury to Mutual Home Builders Assn. August 8, 1931
Aug. 19, 1931—4 MILES N OF KELLOGG Post Office on old Toll Road. Henry W. Collins to G B Garrison August 8, 1931
Aug. 20, 1931—S BARNETT ST at S end of Bosley St., between South A and South B Sts. H L and Dorothy Huskins to W F Bohm August 20, 1931

BUILDING CONTRACTS

MONTEREY COUNTY

SCHOOL
CENTRAL GRAMMAR SCHOOL property, Salinas. All work for fireproofing boiler room.
Owner—Salinas City School District, Salinas.
Architect—Charles E. Butner, Glikburg Bldg., Salinas.
Contractor—Fred Carlsen, 336 Lincoln Ave., Salinas.
Filed Aug. 13, '31. Dated Aug. 10, '31.
On completion \$345
Usual 35 days 118
TOTAL COST, \$463
Bond, limit, forfeit, plans and specifications, none.

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
Aug. 6, 1931—PART LOT 12 BLK 4, Map of Gell, Lang & Kessel's Addition to Salinas. William A. Williamson Jr to whom it may concern August 4, 1931
Aug. 13, 1931—8.17 Acres of Rancho El Saual just outside of Salinas City Fred Stats to whom it may concern Aug. 13, 1931
Aug. 13, 1931—JEWEL ST., Lot 1025, Pacific Grove. J A Benham to H D Coon August 13, 1931
Aug. 18, 1931—LOT 22 BLK 20, Springs Second Addition to Salinas City. Arthur J Johnson to Wallace L Richmond Aug. 18, 1931
Aug. 18, 1931—LOT 1 BLK 204, Carmel Woods Addn to Carmel-by-the-Sea. M J Murphy Inc to M J Murphy, Inc. August 10, 1931
Aug. 18, 1931—LOTS 18 AND 20 BLK 65, Third Addn to Pacific Grove. Archie B and Jessie Fleming to Ralph Horton Aug. 8, 1931

LIENS FILED

MONTEREY COUNTY

Recorded Amount
Aug. 11, 1931—8.17 Acres in Rancho El Saual just outside Salinas City. W F Sechrest Lumber Co vs Frank J and Wilma L Perry and I T Pope \$121.05

RELEASE OF LIENS

MONTEREY COUNTY

Recorded Amount
Aug. 1, 1931—LOTS 1, 2, 3 AND 4 BLK 65, Map of East Monterey. Edwin E Hawes and Hawes Electrical Shop to B A Roberts and W G Forkner \$336.95
Aug. 17, 1931—NE DEL MONTE AV Lot 50x120 ft., Monterey. Tynan Lumber Co to Nicholas Mikel and Fred McCrary \$1234.96

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

RESIDENCES
LOT 18 AND S 25 FT. of each of Lots 1, 3 and 5 Blk 64, West of Center St., Stockton. Four one-story brick veneer residences and four-car garage.
Owner—Anna F. Griffin, Sonora Road, Stockton.
Architect—J. N. Cloudsley, Exchange Bldg., Stockton.
Contractor—C. A. Towne, 526 E-Main St., Stockton.
Filed Aug. 22, '31. Dated Aug. 20, '31.
TOTAL COST, \$14,104.67
Bond, none. Limit, 90 working days. Forfeit, plans and specifications, none.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
Aug. 24, 1931—S. P. WHARF, Morman Channel, Stockton. Southern Pacific Co to Ed M Foy (dredging 1950 cu. yds.) Aug. 15, 1931
Aug. 24, 1931—LOT 12 BLK 6, City Park Terrace, Stockton. Lenore F Dodd to whom it may concern Aug. 21, 1931
Aug. 24, 1931—LOT 21 BLK 28, Map B, Subdivision 2, Tuxedo Park, Stockton. Felix Gauthier to whom it may concern Aug. 20, 1931
Aug. 24, 1931—LOT 25 E ½ Lot 26 Blk 1, Blain's Addition. John M Carr to T E Williamson August 20, 1931
Aug. 22, 1931—LOT 22 BLK 23 Map B Sub No. 2, Tuxedo Park, Stockton. H W Johnson to whom it may concern Aug. 20, 1931

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
Aug. 19, 1931—LOT 2 BLK 31, East of Center St., Stockton. Gibson & Eichenberger vs William ad Helen Smith \$385.40

BUILDING PERMITS

STOCKTON

DWELLING, brick veneer, 6-room and garage, \$4700; No. 1633 W-Poplar St., Stockton; owner and contractor, J. M. Helterbrand, 2644 E-Main St., Stockton.

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted
Aug. 18, '31—SAN ANSELMO, Hawthorn Hills. Nicola P Evanow to whom it may concern August 17, 1931
Aug. 17, 1931—MILL VALLEY. Mr and Mrs Axelson to J J Hornsby.
Aug. 17, 1931—SAUSALITO. John R Bruce to Moore & Madsen July 27, 1931

Aug. 20, '31—SAN ANSELMO, Hawthorn Hills. Harold E. Squire to whom it may concern. Aug. 18, 1931
Aug. 19, 1931—SAN RAFAEL, Warren E. Clark to whom it may concern August 19, 1931

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded Accepted
Aug. 18, 1931—LOT 7 And N half lot 8 block 23, Andrade Rose Tract No. 2. Charles L Morton, San Francisco to S E Manning August 19, 1931

LIENS FILED

CONTRA COSTA COUNTY

Recorded Amount
Aug. 18, 1931—LOTS 20, 21, 22 and 23 in Block 1, Subdiv of Block 1 W town of Rodeo. E E Enwold, \$141.40 Vallejo Lbr Co, \$449.20, vs Frank Lamb and Carl Stuckman
Aug. 20, 1931—LOTS 20, 21 and 22 in Block 1, Subdiv of Block 1 W Town of Rodeo. Tilden Lumber Co vs Clara Capitallini, also known as Della Rosa and Frank Lamb \$318.23
Aug. 19, 1931—LOTS 21, 22 and 23 in Block 1, Subdiv of Block 1 W Town of Rodeo. Port Costa Brick Works vs Clara Della Rose, also known as Clara Capitallini and Karl Stuckman \$826.95
Aug. 20, 1931—LOTS 20, 21 and 22 in Block 1, Subdiv of Block 1 W Town of Rodeo. Tilden Lumber Co vs Clara Capitallini, also known as Della Rosa and A C Saravia \$161.55
Aug. 20, 1931—LOTS 20, 21 and 22 in Block 1, Subdiv of Block 1 W Town of Rodeo. Tilden Lumber Co \$661.40; J T Jacobs, \$237.85, vs Clara Capitallini, also known as Della Rosa and Carl Stuckman

BUILDING PERMITS

SACRAMENTO

RESIDENCES (2) 5-room and garages, \$2750 each; No. 2006 and 2006 G St., Sacramento; owner, B. A. Johnson, 1801 G St., Sacramento; contractor, W. R. Saunders, 2614 I St., Sacramento.
RESIDENCE, frame and stucco, five-room and garage, \$6500; No. 941 45th St., Sacramento; owner, L. J. Nardinelli, 613 ½ S St., Sacramento; contractor, F. Maloney, 3172 T St., Sacramento.
RESIDENCE, frame and stucco, seven room, \$5750; No. 1529 41st St., Sacramento; owner and contractor, T. A. Scott, 2429 E St., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Aug. 22, 1931—LOT 31, Land Drive Terrace Unit No. 1, Sacramento. Norman C Smith to whom it may concern Aug. 14, 1931
Aug. 21, 1931—LOT 216, Sausalito Park Unit No. 1. F C Stabenow to whom it may concern August 19, 1931

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
Aug. 22, 1931—LOT 9 W ¼ Lot 10, Swanston Acres. A Viriglio vs J A Schaublin and W W Armstrong \$57
Aug. 22, 1931—LOT 18 BLK 33, West Del Paso. W E Jennings vs R C and R R Miek \$600

Aug. 22, 1931—LOT 9 BLK 9, North Sacramento Sub. No. 3. Mapes Lumber Co vs C A Schoner; A A Christensen; J C Lann; Earl Keables; Lillian Keables; North Sacramento Land Co \$203.23

BUILDING PERMITS

FRESNO

ALTERATIONS and additions, \$1500; 125 S. Angelo St., Fresno; owner, H. I. Millman, premises.
ALTERATIONS and additions, \$2000; Kern and First Sts., Fresno; owner, S. J. L. and P. Corp., premises.
ALTERATIONS and additions, \$250; No. 1047 Van Ness Ave., Fresno; owner, Milo Rowell, premises.
ALTERATIONS and additions, \$900; No. 2141 Calaveras St., Fresno; owner, J. N. Lisle, premises; contractor, Trewhitt - Shields Co., Pacific NW Bldg., Fresno.

COMPLETION NOTICES

FRESNO COUNTY

Recorded	Accepted
Aug. 19, 1931—LOTS 1 AND 2, Terrace Gardens, Fresno. Taylor-Wheeler, Inc. to whom it may concern	Aug. 17, 1931
Aug. 21, 1931—PART LOT 6 BLK 7, Poppy Col. A R Eklund to whom it may concern	August 19, 1931
Aug. 21, 1931—LOT 1 BLK 1, St. Francis Wood. J J Weyland to whom it may concern	Aug. 20, 1931
Aug. 20, 1931—LOT 16, Normal Hgts. A G Lampases to whom it may concern	August 18, 1931

LIENS FILED

FRESNO COUNTY

Recorded	Amount
Aug. 22, 1931—LOTS 5 AND 6 BLK 59, E-Fresno. Maisler Bros Lumber Co vs Ray Magill et al.	\$218
Aug. 20, 1931—LOT 8 PART LOT 9, Wakefield Co. Western Pipe and Steel Co, \$196; George Soldo, \$416, vs Pedro Arriat	

BUSINESS OPPORTUNITIES

Names and addresses of persons or firms concerned in the following opportunities will be furnished on request to Business Opportunity, Department, Daily Pacific Builder, 547 Mission St., San Francisco, or phone GARfield 8744:

21316—Steel Plates, Etc. Brussels, Belgium. Manufacturers of soft steel plates and bars, plated brass, copper, cupro-nickel, simili-gold; cold rolled soft steel plates and bars; straight and curved tubes for kitchen ranges; wishes to be put in touch with an agent who is likely to be interested in these commodities.

21317—Rolled Steel, Etc. Charleroi, Belgium. Firm wishes to be put in contact with likely buyers of such articles as rolled steel (round, square, plane, indented); merchant iron (angles, joists, channels); plates; hoops; nails; window-glass; plate-glass.

21318—Pig Iron, Etc. Monceau-sur-Sambre, Belgium. Firm is desirous of securing an agent for the sale of the following articles: pig iron; ingots, blooms, billets; targets for rolling and forging; joists and channels, angles, sections; rails and fittings; indented and wreathed bars; standards, drop-pers and varillas; hoops, plates (strong, medium and thin) round plates; pipes and tubes; annealed, galvanized and barbed wire; nails and screws; bolts, nuts, rivets, washers, zinc, lead, tin;

special glass (hammered, wired, striated, etc.)

21311—Sugar Pine. Havana, Cuba. Firm having frequent requests for Sugar Pine is desirous of representing local exporters in Havana. Bank reference available.

21321—Marble. La Spezia, Italy. Exporters of marble wish to communicate with interested importers.

21323—Representation. Shanghai, China. Import agents would represent in China local exporters of felt-base floor covering in rolls and rugs; oilcloth for table and wall covering; automobile top material; fibre sheets for the manufacture of trunks; trunk hardware (locks, bolts, nails, tacks, etc.) References available.

21324—Representation. Tegucigalpa, Honduras. Party wishes to contact, with view to representing exporters of wire, galvanized smooth and barbed, assorted sizes; gasoline in cases of two five gallon cans, and in 25 or 50 gallon drums.

Henry Esters, 529 34th St., Oakland, Calif., wishes to secure high grade specialty line for the States of California, Washington or Oregon, prefers either mechanical or household specialty.

A. R. Brews, Production Engineering Co., N 1317 Maple St., Spokane, Wash., manufacturers of special machine tools and line files selling to shops and garages wish to contact with specialty men who travel the coast territory from town to town.

Robert M. Clutch, 1016 City Centre Bldg., Philadelphia, Pa., wishes to secure the distributorship of some fine manufacturers product for Philadelphia and its trading area.

K. E. Kravik, Pacific Corundum Wheel Works, 2212 Pacific Ave., Everett, Wash., manufacturers of grinding wheels wish to secure distributor for the State of California.

V. P. McMurdo, Luckenbach, S. S. Co., San Francisco, represents manufacturers of solidified lubricating grease wish names of distributors or

buyers of this product who might care to represent them.

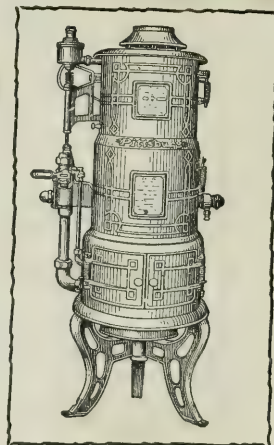
Service Products Corp., 53 West Jackson Blvd., Chicago, Ill., manufacturers of construction materials wish to secure representatives for San Francisco.

H. H. Kress, 1718 Sansome St., Philadelphia, Pa., manufacturers of kerosene and fuel oil torches, portable oil burners, furnaces wish sales representative.

MENLO PARK, San Mateo Co., Cal.—City trustees declare intention (31-7) to improve Live Oak Ave. and portions of other streets, involving:

- (1) 138.50 cu. yds. embankment;
 - (2) 3,219.50 cu. yds. excavation;
 - (3) 73,042 sq. ft. 2-in. asphalt concrete wearing surface on 6-in. water-bound rock base;
 - (4) 3,542.29 lin. ft. conc. curb and gutter.
 - (5) 16,122 sq. ft. 4-in. conc. walk;
 - (6) 18 driveway entrances;
 - (7) 18 ¾-in. wrought iron domestic pipe services (each 47-ft. long);
 - (8) 629 lin. ft. 6-in. sanitary clay pipe sewer main;
 - (9) 3 sanitary sewer manholes;
 - (10) 642.96 lin. ft. 4-in. vit. salt glazed sewer services;
 - (11) 1,003.46 sq. ft. 6-ft. x 3-in. conc. valley gutters;
 - (12) 2 brick storm drain tanks, together with C. I. frame and cover, with one cement concrete inlet chamber each, with C. I. frame and cover, with two 8-in. C. I. pipe connections;
 - (13) 20 electric lighting standards completely installed.
- Estimated cost, \$20,000. 1911 Act. Bond Act 1915. Hearing Sept. 1st. Fannie I. Kurtz, city clerk. Bert J. Mehl, city engineer.

Pacific Manufacturing Company of Santa Clara will erect a lumber storage shed, 115 by 50 ft., adjoining the main mill building in Santa Clara.



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SAN FRANCISCO, CALIF., SEPTEMBER 5, 1931

Published Every Saturday
Thirty-fifth Year, No. 36

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UNDERWRITERS ISSUE 1931 BUILDING CODE

The National Board of Fire Underwriters has just issued the 1931, fifth completely revised, edition of their Building Code. The code is designed to provide regulations relating to the construction, alteration, repair, or removal of buildings, and to so much of the equipment as must be considered in the planning, or installed as the building operation progresses. The code urges that municipalities have an adequate and competent building inspection as well as an adequate code.

The arrangement of the code follows the plan set down by the United States Department of Commerce for the arrangement of building codes. Chapter headings include: Administration, definitions, classification, general building restrictions, light and ventilation, means of egress, materials loads and stresses, construction, safeguards during construction, fire protection and fire prevention, chimneys and flues, heat appliances and forced draft systems, theatres and other special occupancies, elevators, miscellaneous equipment, electrical control, fire extinguishing equipment and signs and bill boards.

It is stated in the introduction to the code that

"In the general movement for the reduction of fire losses in this country, the National Board of Fire Underwriters has for many years advocated the adoption by municipalities of building laws representative of good and safe practice in building construction."

This code contemplates the prevention of fire, and not merely protection against it.

Copies of the code may be obtained by architects, engineers, city officials, and others interested from the National Board of Fire Underwriters, 35 John Street, New York, N. Y. Single copies of the code are distributed without charge.

BID CALLS MUST SPECIFY WAGES ON PUBLIC CONSTRUCTION

Attorney General U. S. Webb last Saturday reiterated his opinion that wage schedules for all types of workmen to be employed on the project must accompany the call for bids for work on public projects as a result of the new State law.

Webb's ruling answered a request of District Attorney Guard C. Darrah of Stockton, who asked if such wage scales must be specified in bids on a proposed San Joaquin County hospital. Darrah offered an alternative of a county resolution specifying wage scales, which would be referred to in the calls for bids.

BALTIMORE CRAFTS ACCEPT WAGE CUTS

For the first time in a decade members of the Baltimore (Md.) Building Trades Council have accepted a voluntary cut in wages. Two organizations have announced the reduction.

A reduction of approximately 10 per cent in the hourly rate has been made by the carpenters, who reduced their own pay from \$1.10 to \$1 an hour. The steamfitters' union cut its rate from \$1.50 to \$1.25.

S. F. BUILDING PERMITS IN GAIN

Building operations undertaken in San Francisco during the month of August, 1931, involved an expenditure of \$1,992,305, according to statistics compiled by John B. Leonard, superintendent of the Bureau of Building Inspection of the Department of Public Works. During the month 583 building permits were issued as compared with 569 permits in August of last year when the valuation registered \$1,242,128.

July, 1931, activities totaled 593 permits for improvements costing \$1,928,473.

During the past eight months, Leonard reports, 4,504 permits were issued for work costing \$16,497,464 as compared with 4,464 permits for \$14,877,893 during the corresponding period of 1930.

Following is a segregated report of the August, 1931, activities:

Class	No. of Permits	Est. Cost
A	2	\$ 325,000
B		
C	6	17,311
Frames	172	705,940
Alterations	398	164,124
Harbor Bldgs.	2	55,230
Public Bldgs.	8	724,700
TOTAL	583	\$1,992,305

AVERAGE INCOME OF MECHANICAL ENGINEERS

At 55 years of age the mechanical engineer earns an average annual income of \$7600, says a report of a survey made public in New York last week by the American Society of Mechanical Engineers.

This age represents his maximum earning period. The report is based on 1930 earnings reported by 9190 mechanical engineers.

Half the number of the engineers of 55 were earning the \$7600; a quarter of this age group, \$12,500, and one-tenth of them more than \$25,000. Salaries were highest in New York and lowest in the Far West. It was found also that "engineering earnings do not decline seriously with age."

ACTION DEFERRED ON FRESNO WAGES

After the Fresno county board of supervisors had agreed, upon the recommendation of W. D. Coates, Jr., Fresno architect, to continue the entire matter until September 28, the proposal for a minimum wage scale of county projects was reviewed again last Tuesday.

Architect Coates told the board that a continuance had been requested by the contending factions and that such a continuance he believed would result in an amicable settlement of the dispute.

The board members immediately agreed to continue action until September 28 in order to allow time for conferences.

Later in the day E. B. Hinman, Jos. Creem and other labor leaders declared they believed the matter should be decided immediately. The meeting was then thrown open for discussion and Arthur Bernhauer, A. W. Gearhart, and other contractors took the floor urging the adoption of a wage scale lower than set by the building trades council.

Harry Cayford, secretary of the Fresno Builders' Exchange, requested that the continuance be granted, expressing the belief that the opposing factions could get together.

The Fresno Building Trades Council, the Fresno Builders' Exchange and the Valley Industrial Association filed wage scales with the board, with four members of the board indicating they favored the union scale. The scales were filed a week ago but no action with taken at that time because a full board was not present.

Coates declared he believed the new scale which the leaders of the factions have declared will be forthcoming will be a slight downward revision from the union scale, but will not be as low as the scale filed by the Valley Industrial Association.

RUSSIA TO DRAFT WORKERS FOR ROADS

Conscription of every able-bodied peasant between 18 and 45 for six days of roadbuilding annually is announced by the Soviet government, according to International News Service dispatches from Moscow, dated August 23.

No pay will be given. In addition, the conscripts must provide draught animals and carts for their work.

The executives hopes to accelerate development of transportation facilities and open up new mediums of road communication.

The tremendous population of Soviet Russia assures that with every able-bodied man working on the roads six days out of every 365, huge battalions of laborers will be engaged every day of the year.

The Kulaks, or rich peasants, were assessed twelve days work.

SYSTEM OF ACCOUNTS FOR THE BUILDING CONTRACTOR

(By Ross L. Perkins, C.P.A., of the Firm of Smyth and Perkins, Certified Public Accountants, San Francisco)

Great progress has been made in all lines of endeavor in the development of labor saving machinery and equipment. As an illustration of this advancement all one has to do is to visualize the modern equipment used in grading and road building today as compared with the horsedrawn Fresno and wheeler scrapers of some twenty years ago.

Coincident with the development of the equipment used by contractors, stupendous building projects have been completed and miles of concrete and other forms of highway have been built.

Along with this advancement the number of contractors has grown and the element of keen competition has entered the field. Some of these contractors have not been financially sound and failed in the performance of their contracts. For this reason contractors must in many cases limit the amount of work bid on by their financial standing and must present financial statements before being allowed to bid on certain classes of work.

For a contractor to exist in this age of competition, facts regarding the conduct of his business must be available at all times and therefore he must have an adequate system of accounts.

During the past few months certified public accountants have been called upon to certify as to the financial condition of contractors desirous of filing the Contractors' Statement of Experience and Financial Condition with the Department of Public Works of the State of California. Experience has shown that the records maintained by contractors in many cases are not adequate to furnish the information required to compile a financial statement for the State of California without a great amount of time and effort both on the part of the accountant's staff and the personnel of the contracting firms and then only meager information could be obtained as to the amount of equipment owned and its value after due allowance for depreciation.

This article has been prepared to assist the contractor to record systematically essential details under a simplified method which can be easily grouped or arranged to accurately set forth the financial standing of the contractor.

With the thought of relieving the present depression, speakers and writers of note have suggested a large public building program as a possible solution. In fact at the present time great undertakings are in progress.

The contractor who today can, from his records, present a true picture of his financial standing is in a position to place his bids and obtain the necessary financial assistance from his banker essential to the carrying out of his contract.

In order to simplify the accounting procedure for contractors all entries covering matters of contractual commitments have been eliminated. Such information is to be carried on the individual job sheets in the Work in Process Ledger in memorandum form. When financial statements are prepared information as to signed contracts, contracts with Sub-Contractors and Material Purchase Contract

Commitments should be obtained from the Work in Process Ledger and included in such statements. This procedure eliminates the task of adjusting such contractual accounts when progress payments are received on jobs, when progress payments are made to Sub-Contractors, and when payments are made on Material Purchase Contract Commitments.

The accounting problems peculiar to a contractor are not many and are enumerated below.

1. Recording of costs of contracts.
2. Distribution of burden to cost of jobs.
3. Depreciation charge on machinery and equipment to cost of jobs.
4. Charge made to jobs for losses and replacements of small tools.
5. Detail ledger of machinery and equipment.

The following Chart of Accounts is complete and due allowance has been



ROSS L. PERKINS

made for any additional accounts that may be required to meet the particular needs of any contractor.

CHART OF ACCOUNTS

ASSETS	
Acct. No.	
1	Petty Cash
2	Cash in Bank
4	Notes Receivable
5	Accounts Receivable
6	Reserve for Bad Debts
7	Accounts Receivable (Uncompleted Contracts)
8	Deposits with Bids
15	Investments
20	Work in Progress (Work in Process Ledger)
21	Stores (Stores Ledger)
30	Machinery and Equipment
31	Reserve for Depreciation—Machinery and Equipment
32	Furniture and Fixtures
33	Reserve for Depreciation—Furniture and Fixtures
40	Insurance Unexpired
LIABILITIES	
50	Notes Payable—Bank
51	Notes Payable—Other
52	Accounts Payable
53	Accrued Payroll
60	Lease Purchase Contracts—Eqpt.
65	Progress Payments Received
80	Capital Stock or Capital Acct.
81	Surplus
82	Profit and Loss

INCOME	
100	Contract Sales
101	Jobbing Sales
102	Cost-Plus Contract Sales
110	Discounts Received
111	Interest Earned
112	Dividends Received
EXPENSE	
200	Undistributed Expense
200-1	Repairs & Maintenance of Machinery and Equipment
2	Depreciation of Machinery and Equipment
3	Yard Expense
210	Cost of Contract Sales
211	Cost of Jobbing Sales
212	Cost of Cost Plus Contract Sales
220	Cost of Securing Contracts
220-1	Salaries
2	Commissions
3	Traveling Expense
4	Advertising
5	Automobile Expense
6	Depreciation on Automobiles
7	Drafting Dept.—Salaries
8	Drafting Dept.—Supplies
9	Estimating Expense
10	Plan Purchases
11	Miscellaneous Selling Expense
230	Administrative Expense
230-1	Salaries of Officers
2	Office Salaries
3	Printing, Postage & Stationery
4	Telephone and Telegraph
5	Heat, Light and Water
6	Rent
7	Insurance
8	Taxes
9	Depreciation, Furn. and Fixt.
10	Legal and Special Services
11	Dues and Subscriptions
12	Donations
13	Miscellaneous
235	Overhead Absorbed
240	Discounts Allowed
241	Interest Paid

The records required to carry out this system are:

1. Record of Cash Received
2. Record of Checks Drawn
3. Record of Purchases
4. Journal

(These records are known as records of original entry and can be contained in one binder).

5. General Ledger
 6. Accounts Receivable Ledger
 7. Accounts Payable Ledger
 8. Work in Process Ledger
- Divided into the following sections:
- 1 Contract Jobs
 - 2 Cost Plus Contracts
 - 3 Jobbing Work
 - 9 Machinery and Equip. Ledger
 - 10 Stores Ledger.

The system is so designed that all cash received is deposited in the bank and all payments are made by check with the exception of petty disbursements which are handled through the Petty Cash Fund. The Petty Cash Fund is replenished as needed by check drawn on the bank and a charge made to the accounts for which the cash was used. The size of the Petty Cash Fund will be governed by the practice of each contractor. Under this method a complete control or internal check of cash can be maintained.

All invoices covering purchases of whatever nature are entered in the Record of Purchases even though a check is given in payment of the invoice within a comparatively short time. The advantage of this procedure is that the Record of Checks Drawn

is relieved from the distribution of the expenditures to the respective accounts affected.

The Record of Cash Received is the record in which only the cash received is entered. This record shows from whom the cash was received and the amount deposited in the bank.

The Record of Checks Drawn is the record in which all checks are entered. This record shows to whom the check was issued and the account to which the expenditure is to be charged.

The Record of Purchases is the record where all invoices covering purchases and expenses are entered. This record shows from whom the purchase was made and the account to which the invoice is to be charged.

The Journal is a record of original entry to handle transactions that cannot be set forth in the Record of Cash Received, Record of Checks Drawn or the Record of Purchases. The purpose of the Journal is to handle entries opening and closing the books, recording depreciation, distribution of burden to jobs, and such adjustments between accounts as are necessary.

The General Ledger is the record to which all entries from the Record of Cash Received, Record of Checks Drawn, Record of Purchases, and Journal are posted. While the General Ledger is the record of most importance in that it is the controlling factor of the system, yet sufficient references to sources of original entry must be made in order that any desired detailed information may be had regarding any entry or account.

The Accounts Receivable Ledger is the detail accounts with customers, the total of which must equal the controlling account of Accounts Receivable in the General Ledger.

The Accounts Payable Ledger is the detail accounts with creditors, the total of which must equal the controlling account of Accounts Payable in the General Ledger. An alternative method of handling the Accounts Payable and which eliminates the Accounts Payable Ledger is to maintain a file of unpaid bills the total of which will equal the controlling account of Accounts Payable in the General Ledger. This latter method will function satisfactorily only when all bills are paid monthly.

The Work in Process Ledger is divided into three sections: Contract Jobs, Cost-Plus Contracts, and Jobbing Work. This record is where the costs are accumulated as incurred on the different contracts or jobs. The total of the detailed accounts in this ledger must equal the controlling account of Work in Process in the General Ledger.

The Machinery and Equipment Ledger is a record in which a detailed list of Machinery and Equipment is kept. A separate page is used for each unit of Machinery and Equipment. The pages are so arranged as to give the location of each piece of Machinery or Equipment as to jobs. This arrangement will be the basis for charges for depreciation to the jobs on which the Machinery and Equipment is used, as well as giving its location at all times. When there is a change in location the pages are arranged to show the new job to which the change was made.

The Stores Ledger will be divided into three sections. One for materials, one for supplies, and one for small tools. This record will be a perpetual inventory of materials, supplies, and small tools, both as to quantities and money value.

The forms required to carry out this system are standard forms the description of which follow:

Record of Cash Received the columns of which, reading from left to right, are: General Ledger, Discount, Net Amount Received, Day, Descrip-

tion, Accounts Receivable, General Ledger.

Record of Checks Drawn the columns of which, reading from left to right, are: Deductions, Net Amount of Check, Check Number, Day, in Favor Of, Accounts Payable, General Ledger.

Record of Purchases the columns of which, reading from left to right, are: Date of Entry, Date of Invoice, Invoice Number, Accounts Payable, Description, Miscellaneous, Date Paid, Check Number and thirteen blank columns for distribution of charges.

Record of Journal Entries the columns of which, reading from left to right, are: Day, Description of Entry, Account Number, Detail, Charges, Credits.

General Ledger the columns of which, reading from left to right, are: Date, Description, Posting Reference, Charges, Credits, Balance. Another General Ledger form is designed to reduce the number of General Ledger Accounts through columns to provide for analysis the columns of which, reading from left to right, are: Twenty One Blank Columns, Date, Description, Posting Reference, Charges, Credits, Balance. On both of these forms provision has been made at the top for the name of the account and the number of the account.

Accounts Receivable the columns of which, reading from left to right, are: Date, Description, Posting Reference, Charges, Credits, Balance. Provision is made at the top of the form for name and address of the Debtor.

Accounts Payable the form of which is the same as is used for Accounts Receivable.

Work in Process Form the columns of which, reading from left to right, are: Twenty one blank columns to show the expenditures made on the contract by classes of work, Date, Description, Posting Reference, Charges, Credits, Balance.

Machinery and Equipment Form is so designed as to give a complete description of the item of machinery or equipment, from whom purchased, date of purchase, original cost, and record of depreciation.

Stores Ledger form is designed to give a description of the article carried in stores, the quantity on hand, quantity received, quantity issued.

In describing the operation of the system the steps will be discussed in logical sequence.

In order to obtain a contract certain expenses are incurred such as salaries, commissions, traveling expense, etc., and work performed by the drafting department and the estimating department. As these expenses are incurred charges are made to the respective accounts under Cost of Securing Contracts either thru the Purchase Record or the Journal. As soon as the contract is signed a separate sheet is opened in the Work in Process Ledger and the contract given a number. This sheet is so designed as to give the contractor any desired detail such as the expenditures made for excavation, foundation, steel construction, masonry, etc. On the top of the sheet is entered in memorandum form, the total amount of the contract and the sub-division estimates making up the total contract are entered over each sub-division as required by the contractor. This record shows the actual expenditures made on the contract by classes of work and enables the contractor to determine wherein the profit was made or the losses suffered when the contract is completed by comparing the actual expenditures with the sub-division estimates. The expenditures made on the contract will originate from the Payroll, Record of Purchases and the Journal.

As purchases are made of materials, supplies, or equipment the respective liability account is credited, Accounts Payable in the case of materials and supplies, or Lease Purchase Contracts Equipment where in a lease purchase and equipment is purchased under a lease contract purchase plan. All materials purchased direct for a job are charged to Work in Process which in turn is posted in detail on the respective sheets in the Work in Process Ledger. When purchases are made of certain materials, supplies, and small tools that are placed in the supply yard a charge is made to Stores Ledger and the corresponding credit is to Accounts Payable.

In order to have a complete control over the materials, supplies, and small tools in the supply yard a stores ledger or perpetual inventory is maintained. This ledger is divided into three sections to record the receipt and delivery of Materials, Supplies, and Small Tools. As deliveries are made from the yard to the job Stores Ledger is credited and the respective job or jobs charged. Where items are returned from the job to the supply yard Stores Ledger is charged and the particular job credited. It is not necessary to make a separate entry of all deliveries out of the supply yards and returns to the supply yard. A summary is made of the requisitions and one entry made through the Journal either weekly or monthly making the necessary charges or credits.

A payroll is prepared the credit of which is to Accrued Payroll and the distribution made in the Work in Process Ledger to the particular jobs where the labor was performed.

Account No. 235 "Overhead Absorbed" has been provided for contracting businesses where the management considers it preferable to allocate the overhead or burden (such as Administrative Expense, etc.) as a part of the cost of contracts. A method in common use is to list the amount of labor and material and other direct expenses incurred on each job and the burden or overhead is pro-rated on this basis. A charge is also made to each job for depreciation on the machinery and equipment used on the job.

As the work is done progress payments are received which are entered in the Cash Received Record and added to Progress Payments Received account. A notation is then made of the progress payment on the page in the Work in Process Ledger covering the particular contract on which payment was received. These notations will disclose at all times the amount of the progress payments received and the amount still due on each contract.

When a contract is completed the following Journal entries are made:

Debit Accounts Receivable
Credit Contract Sales
Debit Progress Payments Received
Credit Accounts Receivable
Debit Cost of Contract Sales
Credit Work in Process.

As charges are made on Cost Plus Contracts they are charged to Work in Process in the same manner as for contracts. In progress payments and costs are received on account of cost plus contracts they are handled in the same manner as in the case of contracts.

When a Cost Plus Contract is completed the following Journal entries are made:

Debit Accounts Receivable
Credit Cost Plus Contract Sales
Debit Progress Payments Received
Credit Accounts Receivable
Debit Cost of Cost Plus Contract Sales
Credit Work in Process.

No particular difficulty is encountered in the recording of entries in connection with jobbing work. A job sheet is prepared giving the descrip-

tion of the work to be done. As charges are incurred they are charged to Work in Process and when the job is completed a sales invoice is prepared. A duplicate of the sales invoice is the posting medium for charging the detail account in the accounts receivable ledger and at the close of the month a run is made of these duplicate bills and a journal entry prepared charging the control of accounts receivable and crediting jobbing sales. A journal entry is also made charging Cost of Jobbing Sales and crediting Work in Process.

At the end of the month the Cash Received Record, the Record of Checks Drawn, and the Invoice Record are footed and summary or detail postings made to the general ledger as required. Such journal entries must be prepared and posted as are necessary to take care of the depreciation write off, overhead or burden absorbed, transfers of materials, supplies and small tools in and out of the yard or from one job to another and to take care of lost or broken tools. As soon as these journal entries have been posted to the General Ledger a Trial Balance of the General Ledger is taken.

Experience in handling the accounts of contractors has shown that it is not practical to set up on the books the estimated profit on progress payments on a contract as received.

When a financial statement is required, monthly, quarterly, semi-annually or annually, it is necessary to analyze the Work in Process Ledger and obtain completion data from the architect or engineer in charge of the work in order to arrive at the Estimated Profit on the completed portion of uncompleted contracts or jobs. When the amount of Accounts Receivable Uncompleted Contracts is set up for financial statement purposes Progress Payments Received account is charged and Accounts Receivable Uncompleted Contracts is credited. The Work in Process Ledger will also contain all information regarding contractual commitments required for a complete financial statement.

A contractor who carries out such a system will have no difficulty in preparing financial statements for his banker or for the Department of Public Works of the State of California, or in the preparation of the annual Federal Income Tax Statement.

Preliminary steps for the establishment of a wage scale to apply on public works building construction were taken at a meeting of the Stockton Builders Exchange last Tuesday night. What was accomplished at the meeting was not disclosed by members although they admitted that progress was made on a scale to be submitted to the Stockton city council in the immediate future. It is understood that the Stockton Building Trades Council has already drafted a wage scale to be submitted to the city officials.

Dimensions and specifications of car-spotting equipment are given in a 12-page book 1292 issued by H. W. Caldwell & Son Co., 2410 West Elizabeth St., Chicago, Ill. The book also gives a chart and method of figuring the degree of curvature of railroad tracks and the actual pull on car spotter rope.

Charged with doing plumbing work without a permit and lacking a license, as required by the Berkeley ordinance, H. S. McKellips, was fined \$25 in the court of Judge Oliver Youngs. George Grimsaw, city plumbing inspector, testified that he had previously warned McKellips about installing plumbing without a license or permit.

THE OBSERVER

What He Hears and Sees on His Rounds

Day labor on public works, a six-hour day as an emergency measure for relief of unemployment and the prevailing wage scales adopted for public work were the chief topics of discussion at a special meeting of Southern California Chapter, Associated General Contractors, in Los Angeles, last week.

A six-hour day as an emergency measure was suggested by President Charles Heuser. He believed that a 6-hour day would give employment to more men without increasing costs of construction than a 5-day week, would tend to eliminate the fear of unemployment from the minds of workers and would permit more economical operation on construction work as a double shift could be used to speed up construction when necessary.

Many contractors expressed approval of the 6-hour day as an emergency measure but no action was taken.

A "gigantic" federal program of public construction to help relieve unemployment is urged in a social justice of the central conference of American rabbis in connection with the season of Jewish holy days.

"We must call upon our government to launch immediately a gigantic program of necessary public works, far in excess of anything yet proposed," says the statement.

"Three to five billions of dollars expended in this way would mean the physical and moral salvation of millions of lives."

The Council for the Construction of the Palace of Soviets in Moscow announced on July 17 the opening of a general competition for the best architectural designs. The contest, which closes October 20, 1931, is open to both Soviet and foreign architects on equal terms. There will be three first prizes of 10,000 rubles each, five second prizes of 5,000 rubles each, and five third prizes of 3,000 rubles. The prizes will be paid in Soviet currency only. An additional sum of 30,000 rubles is to be appropriated for the purchase at 1,000 rubles each of the best designs among those which do not receive prizes.

Further particulars can be obtained from the Information Department, Amtorg Trading Corporation, 261 Fifth Ave., New York City.

No wage cuts will be made by the Seattle City Council in an effort to trim 10 per cent from next year's budget, it was intimated, with Mayor Robert H. Harlin and several members of the council strongly opposing any effort to reduce wages. In order that wage scales may be maintained and the cut yet be made, department heads have been asked to turn in 14 per cent reductions in their budget requests.

Wages of street work laborers are boosted \$1.20 per day by the prevailing wage scale for Monterey Peninsula public work agreed upon by a joint committee of the Builders' Exchange and Monterey County Building Trades Council. This scale which was adopted by the Monterey city council last week will apply likewise to all public work undertaken in Fairview Grove. The standard scale provides \$5.20 per day as the minimum wage

for building and common labor. Heretofore \$4.00 per day has been the minimum for labor on street work, according to representatives of paving companies.

Minimum wages contractors are to pay workmen must be included in calls for bids on state projects, under the new statute, which provides workmen on such projects shall be paid not less than the general prevailing wage, Attorney General U. S. Webb rules.

His opinion answering questions of George B. McDougall, chief of the state division of architecture, held that all calls for bids must include the wage scale and must also provide for "time and a half or double time for overtime work and work on legal holidays."

Sub-contractors, including only those whose men are actually at work on the job, and not those who may employ men to fabricate material to be used on the job, must also adhere to the wage schedule, Webb ruled.

The Housing Department of the State Division of Housing and Immigration checked 17 plans involving an estimated expenditure of \$1,170,500, and made 69 inspections and 196 re-inspections; 91 per cent of the re-inspections showed compliance with the submitted recommendations. Buildings unfit for humans to the number of 19 were closed or demolished. Sanitary conditions caused by the accumulation of filth and rubbish were eliminated in 72 habitations; 67 places in a general state of bad repair have been repaired, replastered and renovated. Cooking and sleeping in the same room was abolished in 29 buildings.

Building construction in San Francisco amounting to \$14,505,159 during the 7 month period represented a 6% gain over the same period a year ago. Residential classifications of \$6,131,643 gained 15% over the same period last year, municipal contracts of \$4,006,640 gained 150%, private contracts declined 4%. July building permits numbering 583 were valued at \$1,828,473 a 68% increase over the same month last year but a 22% decrease over June. Residential construction during July amounted to \$725,797 a gain of 40% over the same month a year ago and provided accommodations for 226 families.

The State Division of Labor Statistics and Law Enforcement collected \$80,855 in unpaid wages during July, received 327 complaints, brought 126 criminal prosecutions against labor-law violators, commenced 35 civil suits amounting to \$17,851 for 106 wage claimants, and found the same 1133 firms had 156,029 employees last month, compared to 191,712 in July of 1930. The total weekly payrolls for the month named were \$3,982,642 (1931), and \$5,589,347 (1930).

There was an increase of 5.9 per cent in the estimated cost of buildings for which permits were issued during July, as compared with June, according to reports received by the Bureau of Labor Statistics from 338 cities. The usual trend between June and July is downward.

The six-hour day coupled with the five-day week, as proposed by the American Federation of Labor, is the solution to the unemployment problem, in the opinion of local labor leaders.

Indicating interest in the move for shorter hours, the six-hour plan has already been discussed on the Pacific Coast. At a meeting of building trade unions held recently in Los Angeles, the plan was thoroughly discussed, although no definite action was taken.

"In view of the current economic situation, a six-hour day seems to be a happy solution to a part of the unemployment problem," one local labor leader says. "By shortening the working day the hiring of more men will be necessitated in order for contractors to fulfill their schedules."

C. E. Grunsky of San Francisco, president of the American Engineering Council, advocated a "super-governmental regulatory body" to achieve a balance in world trade in an address before the American Institute of Electrical Engineers in session at Tahoe City, Calif., last week.

Mr. Grunsky, national-known engineer, presented a comprehensive outline of the major causes of business cycles and unemployment.

He said unemployment was aggravated by public and private demands for stringent economy in government, and that readjustment could be accomplished through revaluation of property and commodities. He declared the present inequality of taxation must be adjusted on an "ability to pay" basis. He condemned subsidies as a means to national bankruptcy rather than a stimulus to industry where it cannot meet world competition.

The super-governmental regulatory body was suggested to balance world trade through increasing governmental activities on a planned basis and in volume which would bear a larger proportion to private organization. This, he said, would serve to stabilize the economic system.

A five-day-a-week working schedule, effective September 1, has been announced to the 1237 employees of the Southern Sierras Power Company by Fred Dolson, general superintendent. The schedule also will be effective in the Nevada-California Electric Corp., the parent concern, the Imperial Valley Ice Company of El Centro and about six other subsidiaries. Dolson explained the move as economic. He said salaries would be reduced in proportion to the decreased hours.

Reports of new orders for fabricated structural steel for the week ending August 8, 1931, were received from 100 establishments whose capacity represented 53.7 per cent of the total capacity of all plants in the United States. The bookings reported by these establishments amounted to 10,852 tons, representing 21.9 per cent of the tons, representing 41.9 per cent of the total capacity of the reporting establishments.

Mining of limestone and shale on its property two miles south of San Andreas, partially suspended for several months, has been resumed by the Calaveras Cement Company. At present the cement plant is producing 2000 barrels of cement daily. Its total capacity is 4000 barrels daily.

CONTRACTS MUST GO TO LOWEST BIDDERS ATTY-GEN. RULES

School boards must accept the lowest bids on school construction work unless the low bidder is not a "responsible" bidder, Attorney General U. S. Webb ruled in an opinion to District Attorney A. A. Brazil at San Luis Obispo.

Webb ruled the board of trustees of Pismo Beach Elementary School District could not legally accept a bid \$25 higher than the lowest bid unless the low bid offered was not a bonafide offer.

FRESNO UNIONS TO FIGHT WAGE CUTS

Union labor in Fresno will insist that the union wage scale be adopted for county building work, and will not entertain overtures to compromise.

This was the statement of Earl B. Hinman, secretary of the Fresno County Building Trades Council, when he announced that at a meeting of the Council last Tuesday night, the delegates were instructed to "stand-pat" on the scale presented to the board of supervisors.

Action toward adoption of the union scale was postponed to September 29 by the board of supervisors on the recommendation of W. D. Coates, Jr., architect and arbiter in the wage dispute. Coates said he believed that by conference, differences between the trade council on the one hand and the Fresno Builders' Exchange and the Valley Industrial Association could be amicably ironed out.

The builders' exchange and the industrial association protested to the supervisors that the union scale is too high.

Hinman's statement is taken to mean that the trades council will not accede to any scale that is lower than the union schedule.

SIX CITIES TO TEST WAGE LAW

Five cities and the League of California Municipalities will join in with Pasadena in making a test case of the so-called "prevailing wage" law.

City Attorney Harold P. Hulls of Pasadena, has received word to this effect from Riverside, Burbank, Visalia, Tulare and Watsonville.

Some official, probably Mayor P. M. Walker, of Pasadena, would be charged with wilfully refusing to comply with the State law and a quick test would be an action in habeas corpus.

LABOR UNIONS TAKE VOLUNTARY WAGE CUTS

Voluntary wage cuts on the part of carpenters and laborers are announced at Salem, Oregon.

At a meeting of the Salem Building Congress' executive board and members of Governor Meier's county committee on unemployment, the carpenters' union of Salem agreed to a 25 per cent cut and the laborers to a 20 per cent cut. The reductions were made in the hope of stimulating business and will be effective until the end of the year.

Wages now are \$6 for carpenters and \$4 for laborers.

ALONG THE LINE

Harvey W. Hincks has been appointed city engineer of Pasadena, succeeding George K. Hooper. Hincks was formerly connected with the U. S. Geological Survey, but for a number of years practiced as a consulting engineer.

George A. Turner, former member of the Pacific Grove city council, has been appointed a deputy building inspector in that community. The appointment was made by Erwin Dames, city manager.

Eric Cullenward, secretary of the State Highway Commission, has been promoted to the position of chief of the newly created bureau of publications and documents. He will take over his new duties on September 1st. The appointment was announced by Rolland A. Vandegriff, director of finance, who explained the bureau was established by an act of the last legislature as a means of effecting economy in the publication and distribution of state books, pamphlets and similar documents.

Pending the appointment of a permanent superintendent to succeed Hilton F. Lusk, Don Smith, employe of the city engineering department, will assume charge of the Sacramento municipal airport. Lusk will leave on September 1st to resume his duties as instructor in aeronautics at the Sacramento junior college. There was an earlier move by City Manager Dean to retain him on a part-time basis, but it was abandoned because of opposition from members of the council.

William Burtz has been elected business manager of the Stockton Building Trades Council. Burtz is a prominent labor leader in the San Joaquin Valley section and is a former member of the Central Labor Council in that district.

Herbert C. Bradbury, 55, inspector of Class A building construction for the building and safety department of Los Angeles City, office of J. J. Backus, superintendent, died suddenly of heart disease August 25, while attending a conference in the city hall. Mr. Bradbury had been in the employ of the building department since 1922.

Frank G. White, chief engineer of the State Board of Harbor Commissioners for the past 15 years, has been re-appointed, with an increase of salary from \$5000 to \$8000. White has been with the State Board for 20 consecutive years and is recognized as one of the leading harbor engineers in the United States.

Hemstreet & Bell, highway contractors of Marysville, will hereafter inspect and supervise their work, including several contracts of the state highway commission, by airplane. The concern for several weeks, has been testing out a plane, and recently purchased the ship. Representatives say they will be able to cover in one day territory it has been taking four days to cover.

J. W. Charlesville, present city manager of Glendale, Calif., has been appointed city manager of Pasadena, succeeding R. C. Orblison whose resignation is effective this month.

SACRAMENTO COUNTY SUPERVISORS WILL MAINTAIN UNION WAGE SCALE

Wages will be kept up on public works done by Sacramento County during the coming year.

This was assured last Monday when the board of supervisors adopted a wage scale for the year as required by a law passed by the last legislature and followed the union scale in thirty-two out of thirty-five jobs.

The board set \$4 as the minimum wage to be paid any worker for whom a scale was not set, with double time for work on Sundays and holidays and one and one-half time for overtime. All contractors who are given county work must follow the scale set up by the board.

Tractor drivers were the only class of laborers to be cut lower than the state. They will receive \$6 per day, while the state pays \$7 and the union sets a scale of \$10. Roller operators will be paid \$8 per day as against \$10 per day set up by the union but the same scale as that paid by the state, with cranesmen getting \$8.50 per day, the same as paid by the state and in San Francisco, but \$1.50 lower than the union.

Common laborers will get \$4 per day, with building laborers receiving \$5.50 per day and construction laborers the same amount.

Truck drivers operating vehicles up to 20,500 pounds will be paid \$6, with drivers operating trucks over that weight getting \$6.25. The scale for teamsters is \$5 for two horses and \$5.50 over four horses.

Painters will receive \$3, with the same scale for carpenters.

Building Trades Scale

Asbestos workers	\$3.00
Bricklayers	12.00
Carpenters	9.00
Cabinet workers (outside)	9.00
Cement finishers	9.00
Electric workers	10.00
Electric fixture hangers	8.00
Glass workers	8.00
Hardwood floor men	9.00
Housesmiths, skilled	9.00
Elevator constructors	10.40
Engineers, bridge and structural	11.00
Pile drivers, derrick barges, cableways and draglines	10.00
Firemen and apprentices	7.00
Housesmiths, reinf. steel	9.00
Iron workers, bridge and struc.	11.00

Lathers	10.00
Linoleum and carpet layers	9.00
Marble workers	10.00
Marble worker helpers	6.00
Millmen, planning mill	3.00
Millmen, sash and door	3.00
Millwrights	9.00
Model casters	10.00
Model makers	12.00
Model sculptors	14.00
Mosaic and terrazzo workers	9.00
Helpers	6.00
Plasterers	12.00
Plumbers	10.50
Roofers	9.00
Pile drivers & wharf builders	9.00
Sheet metal workers	10.00
Steam fitters	10.50

Road Building Scale

Asphalt plant	\$10.00
Asphalt plant dryermen	7.00
Asphalt mechanical finisher and operator	7.00
Concrete mixer (small)	7.00
Concrete pavement mixer (large)	10.00
Concrete pavement finisher	9.00
Concrete pavement mechanical finisher operator	7.00
Trenching machine operator	10.00
Drag line	10.00
Structural steel workers	11.00
Reinforced steel workers	9.00
Hoisting engineers	10.00
Painters	9.00
Concrete laborer	6.95
Teamster (two horses)	5.00
Teamster (four horses)	5.50
Teamster (six horses and over)	5.50
Laborer (building)	5.50
Laborer (construction)	5.50
Common laborer	4.00
Tractor driver (30-hp.)	5.00
Tractor driver (60-hp.)	6.00
Carpenter	9.00
Truck drivers up to 20,500 lbs.	6.00
" over 20,500 lbs.	6.25
Power shovel or crane operator	10.00
Cranesman	8.50
Fireman	7.00
Oiler	6.00
Pitmen	5.00
Grader operator	6.00
Roller operator	8.00
Compressor operator	6.00
Driller	6.50
Blacksmith	5.50
Blacksmith helper	4.50
Powder man	4.00
Subgrade finisher and operator	5.50

Plasterers	11.00
Plasterers hod carriers	8.00
Plumbers	9.00
Plumbers' helpers	5.00
Roofers, composition	3.00
Roofers, others	3.00
Sheet metal workers	3.00
Steam fitters	10.00
Steam fitters' helpers	5.00
Tile setters	10.00
Tile setters' helpers	5.00
Auto Truck drivers to 2500 lbs.	6.00
Auto truck driver to 4500 lbs.	6.00
Auto truck driver to 6500 lbs.	6.00
Auto truck driver over 6500 lbs.	6.00
General teamster 1 horse	5.00
General teamster 2 horses	5.00
General teamster 4 horses	5.50
Plow teamster 4 horses	5.00
Scraper teamster 2 horses	5.00
Scraper teamster 4 horses	5.00
Shovel operators (gas)	10.00
Shovel cranesmen	8.50
Shovel firemen	7.00
Shovel oiler	6.00
Welder	8.00

Foreman not less than \$1.00 more than wage for the particular craft.

For any craft not included in list, the minimum per diem wage shall be the general prevailing wage for the locality as determined by the State and shall not be less than \$5.00 per day.

Double time shall be paid for work on Sundays and holidays. One and one-half time shall be paid for overtime.

The above scale is practically the same as that established by the Impartial Wage Board of the Industrial Association of San Francisco with the following exceptions:

Impartial State Wage Board Scale		
Bricklayers	\$11.00	\$10.00
Glass workers	8.50	8.00
Building laborers	5.50	5.00
Painters	9.00	8.00
Plaster hod carriers	7.50	6.00
Plumbers	10.00	9.00
Sheet metal workers	9.00	8.00

WAGE CUT PLAN LAID TO BANKS

William Green, president of the American Federation of Labor, has renewed his charge that "certain" banking interests are trying to bring about a reduction of wages in industry.

Green condemned as "unjustifiable and unwarranted" a statement by B. C. Forbes, financial writer, that the labor president soon would come out in favor of wage reductions.

Wage cuts affecting 33,238 employees in 46 industries were voluntarily reported to the Labor Department from June 15 to July 15, the department announced.

There were reports of wage increases in five industrial establishments, affecting several hundred employees. Reports of reductions were received from 238 establishments, compared with 210 such reports in the preceding month.

J. S. Tritle, vice-president and general manager of the Westinghouse Electric & Manufacturing Company, announces the formation of a diversified products sales department in which is grouped all Westinghouse equipment not specifically aligned with the transportation, the central station and the industrial fields. A C. Streamer, for some years assistant director of sales, has been appointed sales manager of the department. The major lines segregated under the new department are interior and exterior lighting products; micarta; insulating materials; gearing products; commercial cooking units; and broadcasting and radio material, other than domestic receivers and primarily referred to as radio equipment sold to the government.

PREVAILING WAGE SCALE CITED IN SONOMA STATE HOME BID CALL

Bids for the first building construction project in the state's extensive building program, under the newly enacted "prevailing wage" law, have been asked by the State Department of Public Works, Division of Architecture.

The work covers the erection of a ward building and a school addition at the Sonoma State Home at Eldridge in Sonoma County, a project involving an expenditure of approximately \$150,000, according to George B. McDougall, state architect.

"The scale fixed on this project," says Architect McDougall, "after a thorough investigation of prevailing pay in Sonoma County. Information was obtained from the Builders' Exchanges, labor unions, the Impartial Wage Board of San Francisco, and wages paid under existing contracts. Public opinion also was generally sounded out."

The per diem scale applying to the Eldridge project, as announced by the state architect, follows:

Asbestos workers	\$3.00
Blacksmiths	7.00
Blacksmith's helpers	5.00
Bricklayers	10.00
Bricklayers hod carriers	7.00
Cabinet workers, outside	9.00
Carpenters	9.00
Carpenter's helpers	5.00
Cement finishers	9.00
Electric workers	9.00
Electric fixture hangers	8.00
Engineers portable hoist	9.00
Glass workers	8.00
Hardwood floormen	9.00
Housesmith skilled	9.00
Housesmith, not skilled	8.00
Housesmith, reinforcing steel	9.00
Iron workers, structural	11.00
Iron workers, engineers	11.00
Laborers, building	5.00
Laborers, concrete	5.50
Lathers, metal	9.00
Lathers, all others	8.50
Linemen	8.00
Linoleum and carpet layers	9.00
Painters	8.00
Painters, varnish and polish, outside	8.00

SAN JOSE AND SANTA CLARA COUNTY ADOPTS WAGE SCALE

Conforming to the statute enacted by the last legislature, the Santa Clara County supervisors and the city council of San Jose last Monday adopted the same uniform wage scale specifying the salaries to be paid all classes of laborers engaged in county and city work.

The scale covers all classes of craftsmen and laborers and has been approved by the local building and trades council, according to the supervisors. Whenever changes are made in the bay district wage scale, the county scale will also be changed to conform, the supervisors pointed out.

Request for adoption of the scale by the city council was made by a delegation of San Jose labor leaders, led by Bert P. Ward.

The wage scale adopted by the county is as follows:

Asbestos workers	\$ 8.00
Bricklayers	11.00
Bricklayers' hod carriers	8.00
Carpenters	9.00
Carpet linoleum workers	9.00
Cement finishers	9.00
Electric workers	10.00
Elevator constructors	10.40
Elevator constructors' helpers	7.28
Engineers, hoisting, portable, quarries, tractors over 50 hp.	9.00
Engineers, rollers, mixers, asphalt plants, stone derricks	9.00
Engineers, bridge and structural	11.00
Engineers, pile drivers, derrick barges, cableways	10.00
Engineers, firemen and apprentices	7.00
Glass workers	9.00
Granite setters	11.00
Granite cutters	9.50
Hardwood floormen	9.00
Housemovers	8.00
Housesmiths, architectural iron	9.00
Housesmiths, reinforced concrete	9.00
Iron workers, bridge and structural	11.00

Laborers, building	5.00
Laborers, cement	5.50
Laborers, common	4.00
Millmen, planing mill department	7.00
Millmen, sash and door	6.00
Millwrights	9.00
Model casters	9.00
Model makers	10.50
Model sculptors	14.00
Mosaic and terrazzo workers	9.00
Mosaic and terrazzo workers, helpers	6.00
Painters	9.00
Pile drivers, wharf builders	9.00
Plasterers	11.00
Plasterers' hod carriers	8.00
Plumbers	10.00
Roofers	9.00
Sheet metal workers	9.00
Shovel operators	9.00
Shovel operators, underground	11.00
Shovel cranesmen	8.50
Shovel cranesmen, underground	9.50
Shovel firemen and watchmen	7.00
Shovel oilers	6.00
Sprinklers fitters	11.00
Steam fitters	10.00
Stone setters	11.00
Stone cutters	9.00
Stone derrickmen	9.00
Tile setters	10.00
Tile setters' helpers	6.50
Teamsters, one and two-horse team drivers	5.50
Teamsters, truck drivers, three-ton and over	6.50
Teamsters, truck drivers, under three-ton	6.00
Teamsters, all tractors up to and including 50 hp.	7.00
Teamsters, all tractors under 30 hp.	5.00
Legal holidays, including Sundays and Saturdays where crafts work a five-day work week and other overtime will be paid for at the rate of double time.	

pledge, the present scale must remain in effect for the balance of the current year.

"It is the intention of the Board of Directors of the Industrial Association to convene a Wage Board at the earliest practical moment. This Board will, naturally, weigh all the facts bearing on the scale of wages in the building trades in San Francisco and its findings will become operative Jan. 1, 1932.

"Complete statistical and factual data supporting the various economic factors and the several contentions contained in the Exchange resolution should be prepared for presentation to the impartial Wage Board when that body has been selected to function," Boynton added.

ROAD EMPLOYEES FACING WAGE CUT

Wage cuts affecting county road employees are contemplated by the Tehama county board of supervisors. In a report to the board, the "Tax Payers' Committee" recommended a cut of \$1.50 in common labor, reducing the wages from \$4 to \$2.50.

Formal action has not been taken by the supervisors and it is understood at least one of the officials is in favor of cutting 10 per cent on the entire county rate which includes salaries of \$6 for man and team, \$2 for additional team, \$4 for man alone, \$4 for concrete workers, \$5 for road patrolmen, \$5 for grader tenders, \$4 for drivers of small trucks, \$5 for drivers of large trucks, \$10 to \$15 for tractor with operator and \$22.50 for Caterpillar tractor and operator for eight hour day.

BASLER, SACRAMENTO CONTRACTOR, BANKRUPT

An involuntary petition in bankruptcy has been filed against Ferdinand P. Basler, Sacramento contractor, by five petitioners, who allege he has an indebtedness of \$60,000 and is insolvent. The petitioners are the Reed & McKee Tire Co., A. R. McEwen, C. M. Gotech, all of Sacramento, and L. V. Wolf and the Redding Iron Works, both of Redding. This petition was prepared by W. A. Brandenburger, Sacramento attorney.

REAL ESTATE CHIEF HALTS BOULDER SALE

Stopping a plan to sell a 21,340-acre desert tract in Southern California on the pretense it would be made valuable property by the development of Boulder Dam, Joseph P. Smith, state real estate commissioner, declared his office would rigidly investigate all such land-selling schemes as a protection to the public. He said information reaching his office was to the effect a great drive would be launched to dispose of the worthless land at high prices with Boulder Dam as the principal sales argument.

PLUMBERS WILL MEET IN SACRAMENTO

California State Association of Plumbing Inspectors has chosen Sacramento for its 1931 convention city. It is announced by Irving Engler, manager of the Sacramento Convention & Tourist Bureau.

The convention will be held October 2 and 3, and will bring about 100 municipal plumbing inspectors to Sacramento from all parts of California.

E. A. Court, city plumbing inspector of Sacramento, is in charge of the arrangements for the convention.

INDUSTRIAL ASSOCIATION BANS WAGE SCALE REVISION FOR 1931

Resolution of San Francisco Builders' Exchange Urging Revisions in Wage Scale Is Rejected by Industrial Association—Will Keep Pledge to Public—Urges Compilation of Data to Support Contentions Set Forth in Exchange Resolution.

The Industrial Association of San Francisco will stand by its pledge to the public to maintain the present scale of wages in the building industry for the balance of the year 1931.

Such is the answer of the Industrial Association to the resolution adopted by the San Francisco Builders' Exchange urging that the association constitute an Impartial Wage Board to promulgate a new scale to become effective not later than October 1 and to remain in effect for the current year and to continue in 1932.

The resolution of the Builders' Exchange, presented to the Industrial Association two weeks ago, urged that the prevailing scale of wages be revised, pointing out that the present business depression has caused a reduction in the price of all commodities and in labor in most lines of endeavor. The resolution further set forth, "that rents, the price of food stuffs and clothing have been very materially reduced, reducing materially the cost of living. A revision in wages at this time would also tend to stabilize the building industry and would assist in stimulating the confidence of the public in building investments," according to the exchange resolution.

Present Scale to Stand

Albert E. Boynton, managing director of the Industrial Association of San Francisco, in answering the resolution presented by the Builders' Exchange, says:

"In view of the pledge of this Association and the reciprocal pledges which have been made by contractors and sub-contractors now co-operating with us, as set forth in our public statement of April 23, 1931, we obviously cannot consider the suggestion contained in your resolutions urging that a Wage Board be set up to 'promulgate a wage scale for the building industry of San Francisco to become effective not later than October 1, 1931.' In accordance with that

HOMES SHOULD BE AS WELL BUILT AS BANKS SAYS ARCHITECT

To protect the building public, closer co-operation between money loaning companies and the various elements of the construction industry is necessary, according to Lancelot Sukert of the Detroit Chapter of the American Institute of Architects.

Bank buildings, Mr. Sukert points out, are usually well built. The same yardstick, he holds, should govern the quality of the nation's small homes, now poorly constructed. The depression has taught the bitter lesson that shoddy buildings are poor collateral, asserts Mr. Sukert, saying that the architect should be the watchdog of the interests of the home-owner as well as of the banker.

"Many home owners have suffered severe financial losses on their investments as a result of haphazard planning and shoddy construction," he adds. "Whether the investment be in a single home or in bonds secured by real estate mortgages, taxes, maintenance and repairs alone have not only canceled dividends but the decrease in building costs has lowered the true value to a point where there is slight chance for a comeback. The comparatively few investments which have come through the storm are those secured by buildings of good design (and that includes good planning), high quality materials and good construction."

"Banks, trust companies and other loaning institutions to which the building industry has had to look for finances are now learning to their regret that the mere 'cost' of a building is not a true measure of its value."

"During the building boom which preceded the depression, loans were made upon the basis of the contractor's bid, without regard to good planning, quality materials or sound building. Indeed, whenever the specifications called for materials selected for their lasting qualities, the architect who prepared them was criticized for making the building too costly and was actually forced by the very people who were to accept the building as collateral for a loan to reduce the cost by substituting shoddy, short-lived materials."

"Experience has been bitter and costly. Today many of the loaning companies are adding registered architects to their staffs, with responsibility to pass upon collateral for loans. Plans and specifications are examined with a fine tooth comb, not to learn how the building can be cheapened but to make certain that the building is so planned and the materials so specified as to insure a sound, safe investment."

"The major cost of any building project is in labor. The labor involved in erecting lasting materials is very slightly more than that required to erect short-lived materials. The difference between the original cost of a 'cheap' building and one in which good materials are used is wiped out in a very few years by the cost of maintenance and upkeep. At the end of so short a period as five years the better building, costing more to build, will actually be found to have cost less, due to the saving in upkeep."

"Good planning is of even greater importance. There are, in Detroit, for example, a number of apartment buildings which were erected ten or fifteen years ago and which are still paying dividends, but there are hundreds of them which are now a dead loss. While there are several important considerations entering into the reasons for

the success of the few, they would all fall by the wayside if these buildings had not been thoughtfully, sanely and carefully planned."

"Some of the loaning companies now realize that they can write their own prescriptions for safe investments by demanding that buildings which are to become collateral be designed by experienced, registered architects who will specify only quality materials and who will supervise the construction to see to it that these materials are used and that the workmanship is of the best. This applies not only to large investment buildings but to residences, even down to the smallest homes."

"During the boom period the market was glutted with small homes in which the only good materials used were those which could be easily appreciated by the casual observer. Many of these houses are still offered for sale. The unsuspecting prospect buys the house which has an interior arrangement most nearly suiting him."

"He has little or no knowledge of materials and construction except that acquired from listening to salesmen's patter. He buys on what he can actually see. Unfortunately, the materials which are most likely to prove expensive in upkeep and repairs are usually those whose good or bad qualities cannot be determined by looking at them. The present replacement cost of houses is often less than the balance remaining to be paid on old houses which are sold at inflated prices, poorly planned and as poorly built."

"Building congresses, now being formed throughout the country, should prove of immeasurable assistance in protecting the public against the further use of shoddy materials and construction, since they bring together not only all of the building trades but the registered architects and financiers; and financiers are learning that poor planning, poor quality, and poor construction do not make good collateral."

"It is significant that the home office of almost an good bank or trust company is located in a well planned, well constructed, long lived building, usually designed by a registered architect of standing in the community. That bankers should have demanded only the best in making their own investments is not surprising. The surprise comes in the fact that it took a national financial crisis and bitter experience to prove that the same yardstick should be applied to the investment of their depositors' and bondholders' funds."

"The man who intends to build a home has the same yardstick at his disposal. The architect is his safeguard, for he alone is qualified by training and experience to protect the owner. Unlike the builder, he has no interest whatsoever in the profit to be made on the sale of a contemplated or finished house. His only interest lies in obtaining the best possible and most suitable building for the owner's dollar."

"His fee compares favorably with the average commission paid a real estate salesman. His carefully studied plans and his detailed specifications open the way to obtaining competitive bids, all based upon exactly the same requirements. The owner knows that everything has been carefully thought out beforehand."

"The house or building has virtually been constructed, on paper, before-

hand, criticized, corrected and re-corrected. All of the materials have been carefully pre-determined, particularly those which save future upkeep costs. Bidders are carefully selected for known reliability and financial responsibility. Then the architect oversees the construction, carefully checks the materials to see that they conform to specifications, and states the amount to be paid to the contractor for work done at the previously arranged intervals."

"He is the watchdog of the owner's interests. Men who control investments are now learning that the architect is of paramount importance in the field of investment building—and all buildings are investments."

CONSTRUCTION VOLUME FOR 7-MOS. DECLINES

Construction volume in the United States during the first seven months of 1931 declined approximately 30 per cent as compared with the corresponding period of last year, according to a statistical analysis just completed by the Associated General Contractors of America. The analysis, which is based upon the shipment of basic construction materials, shows the July volume at index number 140, an increase of three points over that of the previous month, but a decline of 59 points as compared with July, 1930.

One of the most disappointing facts brought out in the analysis is the apparent failure of municipalities to undertake street and alley paving work under the exceptionally favorable price conditions prevailing this year, Edward J. Harding, managing director of the association, stated in commenting upon the study.

"Present indications are that the totals for concrete street, alley and highway paving will not exceed those of last year despite the increase in federal aid appropriations to \$125,000,000 and the \$80,000,000 emergency federal aid money loaned to the various states," Mr. Harding said.

The total awards of concrete surface pavement contracts for the first six months of the year was 91,908,000 square yards, or an increase of 11 per cent, compared with the corresponding period a year ago, whereas at the close of April the total was 39 per cent greater than during the same four months of 1930, Mr. Harding pointed out.

Long term state and municipal bond issues for contemplated public works, however, continue to run about 12 per cent greater than for the same period last year, the monthly average for the first six months being \$141,000,000, as compared with a six-months' average of \$125,156,000 last year, the analysis shows.

The following provisions for pipe connections for gas burning refrigerators has been inserted in Section 57 of the Los Angeles city plumbing ordinance (No. 58,500) by an amendment passed by the city council and published August 26: "Provided, however, that in the case of gas burning refrigerators consuming not to exceed two (2) cubic feet of gas per hour for each such refrigerator, when operated at its maximum capacity, such refrigerators may be connected to gas pipe or piping without increasing the size of such pipe or piping as follows: 1 refrigerator on a 1/4" pipe; 2 refrigerators on a 3/8" pipe; 4 refrigerators on a 1" pipe; 8 refrigerators on a 1 1/2" pipe; 16 refrigerators on a 1 1/2" pipe; 60 refrigerators on a 2" pipe; and any number of refrigerators on a gas pipe more than 2" in diameter."

NEW NATIONAL SAFETY CODE FOR ELEVATORS IS APPROVED

A new national safety code for elevators, dumbwaiters, and escalators, developed under the technical direction of the American Society of Mechanical Engineers, the American Institute of Architects, and the U. S. Bureau of Standards, has just been approved by the American Standards Association. Approval of the revised code by the Association followed nearly four years of research on elevator safety devices at the United States Bureau of Standards and extensive investigation by a technical committee composed of 38 representatives of architectural, engineering, governmental, and other organizations. Sullivan W. Jones, former state architect of New York and representative of the American Institute of Architects, is chairman of the committee; and John A. Dickinson, Research Fellow of the Bureau of Standards, who conducted the research work at the Bureau, is secretary.

In the tests conducted during the research work, the cables of the suspended elevators were severed with torches, allowing them to plunge downward in their shafts. Motion picture apparatus fixed under the elevators and clicking off pictures at the rate of 3600 per minute revealed the precise operation and trustworthiness of the safety devices. Loaded elevators were also dropped onto the buffers at the bottom of the shaft and especially designed apparatus measured the forces involved during the fraction of a second before the plunge was completely stopped. This research led to the re-design of almost all elevator buffers.

For the first time the national elevator code permits the operation of more than one elevator in a single shaft, thus removing one of the obstacles to the erection of skyscrapers—the excessive space required for elevators. The code provided rigid safeguards to eliminate any possibility of collision between two elevators in the same shaft. The code also provides for two-story cars which consist of two separate cages, one above the other, to serve two floors simultaneously from the same shaft. These will not be "one man cars," however, an operator for each of the two cages being required by the code. Safety devices will prevent the two-story car from moving until the safety gates of both cages are closed.

Further provision is made for a new type of express-local system in which the master express elevators will stop

at only three or four express or plaza floors (ten, fifteen, or even more stops apart, at which points passengers will transfer to local elevators starting from the plaza floors rather than all from the first floor, the present practice in skyscrapers).

The code insists upon fireproof elevator shaft enclosures and fireproof housing for the elevator machinery so that elevator evacuation of a fire-swept skyscraper will be possible.

Although the framers of the code found that present safety devices would permit safe elevator operation at any speed, it is believed that the limit of speed will not go much beyond 1200 feet per minute because of the discomfort to passengers resulting from rapid change in air pressure in ascent or descent.

Any speed above 700 feet per minute requires automatic operation with automatic floor leveling devices because of the difficulty of stopping more rapidly moving cars at floor levels. It was also found that at speeds of over 500 feet per minute an operator could not read floor numbers four feet high.

The code also includes provisions for the safe operation of freight and other types of elevators, the passenger-operated lifts, escalators, and dumbwaiters.

The following organizations are officially represented on the committee: American Hotel Association of the U. S. and Canada; American Institute of Architects; American Institute of Electrical Engineers; American Society of Safety Engineers; Engineering Section American Society of Mechanical Engineers; National Safety Council; Association of Governmental Officials in Industry of the U. S. and Canada; Elevator Manufacturers Association of New York.

Elevator Manufacturers Association of the United States; International Association of Fire Engineers; International Association of Industrial Accident Boards and Commissions; National Association of Mutual Casualty Companies; National Bureau of Casualty and Surety Underwriters; National Electrical Manufacturers Association; National Fire Protection Association.

National Industrial Conference Board; Retail Dry Goods Association; Society of Terminal Engineers; Underwriters' Laboratories, Inc.; U. S. Department of Commerce, Bureau of Standards; U. S. Department of Labor; U. S. Treasury Department.

out through the subway to a loop at a point near Mission and Eleventh Streets.

Golden Gate bridge traffic would be handled through a subway from the Presidio under the cemeteries to cross streets and thence to Eleventh and Mission.

The outer Mission, Daly City and Colma would be reached via an elevated line along the Southern Pacific right-of-way through the Mission and Bernal Cut.

Rapid transit peninsula trains would be handled via the Southern Pacific or Western Pacific from San Bruno to a point near Pennsylvania and Twenty-fifth Streets where they would proceed to the proposed union terminal on elevated tracks.

The estimated cost of the completed project was given at \$35,000,000 to \$40,000,000.

FEDERAL BUILDING TO HELP UNEMPLOYED

Approximately 100,000 additional men will be given work this winter during the next two years by the Federal building program, it is estimated by Ferry K. Heath, Assistant Secretary of the Treasury.

This program calls for an expenditure of \$700,000,000, of which about \$500,000,000 will be for buildings outside the District of Columbia. The total number of men to be given employment, directly and indirectly, according to Mr. Heath, will be about 150,000 during the coming winter and the number will be increased as the projects get under way. The program will be spread over a period of three years.

During the last fiscal year, ended June 30, 1931, the government expended about \$67,000,000 on new buildings and during the present year will spend about \$125,000,000, with even larger amounts to be expended during the two years to follow.

PLUMBERS PLANNING SAN JOSE PROGRAM

Arrangements for a meeting of the Northern California Federation of Plumbing and Heating Industries, to be held at the Sainte Claire Hotel, San Jose, September 26, are being completed, it is announced by Alexander Coleman of San Francisco, president of the federation.

Reports of the last meeting of the group, which was held in San Francisco in April, and suggestions for the betterment of the industry, will be included in the afternoon session of the meeting which will start at 2 o'clock.

A dinner and entertainment is arranged for the evening session, with talks by several prominent speakers representing jobbers and manufacturers of the industry.

A card party has been arranged for the ladies during the business sessions. Dancing will be a feature following the banquet to continue until midnight.

O'Keefe and Merritt Company, manufacturers of gas ranges, radiant and circulating gas heaters and electrical refrigerators, have recently established a branch office in San Francisco. Complete stock of these products, which are manufactured in Los Angeles, is carried in San Francisco and will be distributed direct to dealers throughout Northern California and Nevada from the local branch. The office and display of the firm is located in the Furniture Exchange, 180 New Montgomery Street. Paul R. Prietsch is Northern California Manager.

SUBWAY PLAN FOR MISSION STREET URGED BY ENGINEERS

A detailed rapid transit plan for San Francisco calling for a subway under Mission Street and based on anticipated traffic problems when the Golden Gate and transbay bridges are completed, and has been submitted to the City Planning Commission by E. W. Kellogg, structural engineer, 544 Market Street, and A. J. Allen, associate engineer.

The central feature of the plan is the subway, which, it is proposed, would extend on Mission Street from Beale Street east to Twelfth or Thirtieth Street, with three or four stations in between and a union rail terminal for suburban trains at Ninth and Mission Streets.

The plan, Kellogg pointed out,

would render unnecessary a subway under Market Street, but would permit removal of the outer tracks on Market.

The advantages of his plan, Kellogg asserted in his communication to the commission, would be fourfold: It would speed traffic to the center of the city, without necessitating a change of vehicles; it would bring the peninsula suburban area closer to the business district by one hour's traveling distance; it would protect the unity of the business district and provide free interchange of traffic in all directions.

Under the suggested plan, transbay bridge trains would be brought to Beale and Mission Streets and thence

ARCHITECTS CHALLENGE WISDOM OF FEDERAL BUILDING POLICY

(Special Correspondence from American Institute of Architects)

The charge of Perry K. Heath, assistant secretary of the treasury, that Government architects are more satisfactory than private architects in the present emergency, lacks proof, Robert D. Kohn of New York, president of the American Institute of Architects, declared in a statement challenging the wisdom of the Federal building policy.

Mr. Heath's discovery that the profession which created the architecture of America, notable throughout the world, is inefficient and slow cannot be taken seriously, according to Mr. Kohn, who pointed out that private architects are good enough for the nation's greatest institutions and corporations, as well as for Secretary Mellon, who entrusted them with the monumental public buildings in the "Triangle" in Washington.

Declaring that Mr. Heath's judgment was too hasty, and that in the existing situation the time has been too short to estimate the relative worth of the Government architect and the private practitioner, Mr. Kohn asserted that "the Government will speed its emergency public works program if it engages more and more of the experienced and able architects of the country."

Federal architecture is endangered by the inability of new ideas and new impulses to make headway against the fixed procedure of the Treasury Department staff, Mr. Kohn holds. To this condition, engendering a tendency toward "stereotyped forms," he attributed the main delay in Federal building operations. In the interest of speed and of the highest standards of enduring architecture, he demanded that "the United States Government enlarge, not restrict, the hiring of private architects."

"The Keyes-Elliott bill which authorized the employment of private architects for Federal building design was passed in 1930," Mr. Kohn's statement said. "Is it possible that within this year such a definite conclusion on the value of their services has been reached by the Treasury Department?"

"Comparatively few contracts have been awarded as yet on plans which they have prepared, and certainly few of the buildings thus contracted for have advanced very far, and none can have been completed. It would therefore seem impossible to reach a conclusion based on any actual experience regarding the results of the employment of architects in private practice."

"We wonder how a nobody who knows Washington can take this seriously. After a brief trial they already know that the employees of their Bureau of Architecture are better and quicker than some of the best architects of the United States. How can they know this?"

"It may be that the method by which the outside architects were chosen by the Treasury Department did not result in every case in the best results. We do know that some of the men thus employed are very excellent and capable practitioners whose reputation for ability is founded on a very broad experience and admirable results. There may be others not so wisely chosen."

"But, on the whole, it must be recognized that the men who designed the modern buildings in a hundred cities, and who have made the reputation of progress in American architecture notable throughout the world, cannot have been inefficient and slow. The

great industries and business corporations of the United States do not patronize bureau of architecture."

"From coast to coast the advance in building design which has distinguished the last two decades is the result of the ability and thoroughness of the architects. How can they be less able or less expeditious than the employees of the Bureau of Architecture of the Treasury Department?"

"The answer may be that the Treasury Department staff has developed a certain way of doing things, and the system thus established does not easily adjust itself to the architects who have been called in from outside to work with the Department. There is probably the usual kind of governmental procedure established by long custom, involving methods by which everything must be done, and which really cause the main delay."

"New ideas and new impulses make slow headway against such fixtures. But it is just that which endangers the future of our Federal architecture. It ought not to be allowed to emanate from a bureau. More and more, for small work in the smaller communities as well as for the important monumental structures, the Government's buildings should be designed by outside architects in constant touch with the progress being made in architecture and building throughout the country."

"And the Office of the Supervising Architect of the Treasury should be reorganized so as to be itself efficient in arranging for the information necessary to make it possible for the outside professional men to attack the jobs assigned to them as they would, and do daily, for their every exacting clients in private practice."

"In a recent issue of The Federal Architect" (which appears to be a house organ of the Supervising Architect's Office) there has been some criticism of the architects of the country. Perhaps it was this object of this publication to show that the work of the Supervising Architect's Office is superior to that produced by architects in general practice throughout the country."

"The position of the American Institute of Architects is that it should work for the improvement of our architecture, but it believes that the tendency of architectural design in governmental bureaus is towards stereotyped forms."

"The architects maintain that this will not happen if Federal buildings in every locality are designed by local architects who are familiar with local needs, climatic conditions, and informed on the available materials. And the architects believe that this principle applies to the less important structures built in small cities as it does to important monumental ones."

"But, aside from this desirable and permanent change, the Government will speed its emergency public works program if it engages more and more of the experienced and able architects of the country."

"After all architects should let their work speak for them. What the public thinks of them is indicated by their employment in a vast field of construction enterprises. There has been a consistent advance in design and in quality from year to year, and all of it is the result of a profession working freely and in constant contact with changing conditions."

"That this quality of performance has impressed itself on Washington as well is evident from the fact that the Secretary of the Treasury himself has left for his administration a monument in the form of the great public buildings in the Triangle in Washington. The majority of these buildings were designed by and are being built under the supervision of architects in private practice, chosen by Mr. Mellon after careful consideration and with the help of an advisory committee of architects."

SAN JOAQUIN COUNTY WAGE SCALE ADOPTED

On recommendation of Julius Manthey, county surveyor, the San Joaquin county supervisors have adopted the following wage scale in connection with road and bridge construction:

Grading

Tractor drivers, 30-hp., \$5; tractor drivers, 60-hp., \$6; tractor drivers, 80-hp., \$6.

Common labor (all classes), \$4.

Form carpenters, \$7.

Truck drivers (small), \$5; truck drivers (medium), \$5.50; truck drivers (large), \$6.

Power shovel operators, \$10; crane-men, \$10; firemen (helper to above) \$6.

Oilers, \$5.50; grademen \$6; compressor operator, \$8; blacksmith \$7; blacksmith (helper), \$5.

Subgrade finisher operators, \$8; roller operators, \$8; teamsters (Fresno), \$4.50.

Grade foremen, \$8; gang foremen, \$7.50.

Powermen, \$6; pitmen, \$5; feeder, \$5; jackhammer men, \$5; dumpmen (trucks), \$5; oil spreader operator and retort, \$5.50.

Paving

Asphalt plant engineer, \$9; asphalt plant mixers and laborers, \$6; special plant dryermen, \$7; asphalt plant rakers and spreaders, \$6; asphalt plant finishers, \$6; asphalt plant operator, \$6.

Concrete mixer operators, \$8; concrete plant shovelers and workers, \$5; concrete plant finishers, pavement, \$7.

Mechanical operator, \$6; header board labor, \$5; gang foreman, \$8.

Bridges and Subways

Form carpenters, \$7; concrete structure helpers, \$5; concrete workers, \$5.

Bridges and Subways

Cement finishers, \$7; engineers, pile drivers, \$8.50; engineers, drag line, \$8.50; structural steel workers, \$10; pile driver men, \$9; painters, \$9.

Miscellaneous

Pavement breaking, \$5; laying asphalt blocks, \$5; laying paving blocks, \$6.50; mechanic "trouble shooter, \$7; watchmen \$4; engineers, portable and hoisting, \$8.

ENGINEER LOSES IN SUIT FOR FEES

The decision of the Santa Cruz County Superior Court that the city of Santa Cruz did not owe Charles G. Hyde \$717 for supervisory work in connection with the city's \$450,000 sewer construction was affirmed in San Francisco last Thursday by the state district court of appeal.

Hyde's claim, based on alleged extra work necessitated by a delay in construction of the sewer by Contractor J. N. Tillman of Portland, was denied by the appellate court on grounds Hyde's contract with the city ended only with completion of the work, and that a delay in the work would not necessitate extra payment.

Building News Section

APARTMENTS

Owner Taking Bids.
APARTMENTS Cost, \$17,500
SAN FRANCISCO. Montgomery Street
 near Greenwich.
 Three-story and basement frame and
 stucco apartment house (5 apts.)
 Owner—O. Winkler, 1413D Montgom-
 ery Street.
 Plans by Owner.
 Bids are wanted on plumbing, elec-
 tric work, etc.

Plans Being Figured.
APARTMENTS Cost, \$250,000
LOS ANGELES. Cal. Stanley Avenue
 and Hollywood Blvd.
 Nine-story and basement reinforced
 concrete apts. (elevators, steam
 heat, steel sash).
 Owner—Mr. Chern.
 Architect—Leland A. Bryant, 6513 Hol-
 lywood Blvd., Los Angeles.

Contract Awarded.
APARTMENTS Cost, \$32,000
SACRAMENTO. Sacramento Co., Cal.
 Thirty-seventh and J Streets.
 Two-story and basement frame and
 stucco apartments (12 2- and 3-rm.
 apts.); composition shingle roof,
 air cooling system, tile baths and
 kitchens.
 Owner—S. Lindroth, 37th and R Sts.,
 Sacramento.
 Architect—Jens C. Petersen, 812 26th
 St., Sacramento.
 Contractor—C. Thompson, 1720 38th
 St., Sacramento.

Plans completed.
ALTERATIONS Cost, \$4500
SAN FRANCISCO. No. 424-434 Scott
 Streets.
 Alter three-story frame flat for apart-
 ments (12 3-room apts.)
 Owner—Mrs. I. Cain.
 Architect—William Armitage, Call
 Bldg., San Francisco.
 Work will probably be done by day's
 labor by owner.

BONDS

SAN FRANCISCO.—Board of Super-
 visors contemplate calling an election
 in November to vote bonds of between
 \$5,000,000 and \$6,000,000 to finance the
 erection of new schools and additions to
 standing school buildings. The tenta-
 tive program of construction is out-
 lined as follows:

Matt I. Sullivan Elementary, Arkan-
 sas St., bet. 19th and 20th, \$140,000.
 Longfellow Elementary, Morse and
 Lowell Sts., \$125,000.
 Bernal Junior High, Highland Ave.
 and Holly Park Circle, \$165,000.
 Hassler Elementary, Florida between
 25th and 26th Sts., \$150,000.
 Geo. Washington High, 30th Avenue
 and Geary St., \$1,300,000.
 Sunshine School, to replace existing
 Sunshine School, \$120,000.
 Horace Mann Junior High, 22nd and
 Valencia Sts., \$150,000.
 Marina Junior High, Fillmore and
 Chestnut Sts., \$650,000.
 South Junior High, near Balboa
 High, \$300,000.
 Abraham Lincoln Junior High, 23rd
 and Rivera Sts., \$750,000.
 Lawton Elementary, 30th Ave. and
 Lawton St., \$150,000.
 Guadalupe Elementary, Cordova and
 Prague Sts., \$140,000.

Farragut Elementary, Holloway and
 Faxton Aves., \$80,000.
 Parkside Elementary, 25th Ave. and
 Ulloa St., \$80,000
 Pacific Heights Junior High, \$900,-
 000.
 Burnett Elementary, Lane St. and
 Newcomb Ave., \$80,000.

CHURCHES

Plastering Contract Awarded.
CHURCH Cost, \$40,000
SAN FRANCISCO. Bush Street near
 Divisadero Street.
 One-story frame church.
 Owner—West Side Christian Church.
 Architect—Bertz, Winter and Maury,
 210 Post Street.
 Contractor—Jacks and Irvine, 74 New
 Montgomery Street.
Plastering and Lathing—Jas. F. Smith
 271 Minna St.
 Other awards previously reported.

Low Bidders.
MONASTERY Cost, \$—
SAN DIEGO. Cal. No. 5158-70 Haw-
 ley Blvd.
 Two and three-story reinforced con-
 crete monastery (160x200 ft.)
 Owner—Carmelite Sisters.
 Architect—Frank L. Hope, Bank of
 America Bldg., San Diego.
 Low Bidders—F. E. Young Co., Bank
 of America Bldg., San Diego, at
 \$136,797.
Plumbing and Heating—A. O. Reed &
 Co., 672 8th St., San Diego, at
 \$13,690.

FACTORIES AND WARE- HOUSES

Preparing Plans.
FACTORY Cost, \$—
LOS ANGELES. Cal. Gage Ave. and
 Avalon Blvd.
 One-story factory (for distribution
 purposes) (80x260 feet).
 Owner—Loose-Wiles Biscuit Co.,
 Commerce Bldg., Kansas City.
 Architect—Eng. Dept. of Owner.
 The main factory will be a five-
 story or six-story structure, 150x260
 feet in area. Further details will be
 announced later.

SELMA. Fresno Co., Cal.—Guggen-
 heim Fruit Packing Plant suffered a

SKILSAW Portable Electric Hand
 Saws (4 models).

SKILSAW Portable Electric Sander
SKILSAW Radial Arm Attach-
 ments.

SYNTRON Portable Electric Ham-
 mers (4 models, motor-
 less).

MALL Flexible Shaft Machines (50
 models).

Electric Drills, Grinders, Buffers,
 Routers, Lock Mortisers.

PETER H. NELSON

Labor Saving Portable Electric
 Tools.

1248 Mission St. UNderhill
 San Francisco 7662
 SALES . SERVICE . RENTALS

\$15,000 fire loss Aug. 27. Preparations
 to rebuild will be made at once.

SAN FRANCISCO.—The St. Fran-
 cis Ice Co. (represented by Carl S.
 Plaut, 1201 California St.) has leased
 a building on the NE corner of Tenth
 and Bryant Streets, and plan to re-
 model the building for the manufac-
 ture of ice, ice cream, etc. It is plan-
 ned to expend approximately \$100,000.
 More information will be given shortly.

DAVIS. Yolo Co., Cal. Regents of
 the University of California have re-
 quested the State Department of Fi-
 nance to provide an emergency ap-
 propriation of \$10,000 to finance erec-
 tion of a barn to replace the struc-
 ture destroyed on the state farm
 several months ago.

FLATS

Contract Awarded—Sub-Bids Being
 Taken.
FLATS Cost, \$10,000
OAKLAND. Alameda Co., Cal. S 40th
 St. 200 E Market St.
 Two-story and basement frame and
 stucco flats (one 6-room and one
 5-room; tile roof, coal and wood
 furnace).
 Owner—D. Fagilano, 1221 28th Street,
 Oakland.
 Plans by Paul La Vergne, 4264 Howe
 St., Piedmont.
 Contractor—John Cisero, 474 42nd St.,
 Oakland.

GARAGES AND SERVICE STATIONS

Sub-Contracts Awarded.
GARAGE Cost, \$12,500
OAKLAND. Alameda Co., Cal. SE
 19th St. 100 W Park Blvd.
 One-story brick and tile garage.
 Owner—J. A. Kennedy and R. Sals-
 bury, 1201 Oakland Bank Building,
 Oakland.
 Architect—Not Given.
 Contractor—George I. Williams, 5342
 Broadway, Oakland.
Masonry—A. Hallert, 2500 65th Ave.,
 Oakland.
Plumbing—B. H. Beynon, 1232 Sunny-
 hills Road, Oakland.
Electric Wiring—J. P. Slater, 447 34th
 St., Oakland.
Lumber and Mill Work—T. P. Hogan
 Co., 2nd and Alice Sts., Oakland.
Structural Steel—Moore Drydock Co.,
 foot of Adeline St., Oakland.
Ornamental Iron—Romak Ornamental
 Iron Works, 919 18th St., Oakland.
Roofing—Western Roofing Co., 24th &
 Poplar Sts., Oakland.
Sheet Metal Work—Christiansen and
 Grutsch, 4444 Piedmont Ave., Oak-
 land.
Glass and Glazing—W. P. Fuller & Co.,
 10th and Alice Sts., Oakland.
Concrete—A. Casqueiro, 2851 75th Ave.,
 Oakland.
Grading—J. Catucci, 1212 18th Avenue,
 Oakland.

GOVERNMENT WORK AND SUPPLIES

FORT SHAFTER. T. H. — Bids
 scheduled to be opened August 25 by
 the Department Quartermaster, Fort
 Shafter, to construct a sewage pump-

ing plant and for repairs, additions and extensions to the sewage system at Port Shafter, were returned to the bidders un-opened. Construction has been postponed indefinitely.

SAN FRANCISCO—Major Harvey S. Burwell has recommended to the War Department construction of an aviation terminal on Yerba Buena Island in San Francisco Bay, involving the construction of a retaining wall around the shoals of the island and fill a dredged fill. The retaining wall, it is estimated, would cost \$229,800 and the fill an additional \$450,000. The field would be approximately 1 mile square.

PANAMA CANAL ZONE—W. E. Callahan Construction Co. and Peterson, Shirley & Gunther of Omaha, Neb., at \$4,047,407 submitted low bid to the Panama Canal Commission to construct the Madden Dam. See further details under "Reservoirs and Dams" in this issue.

PORTLAND, Ore.—Columbia Contracting Co., 294 E. Salmon St., Portland, at \$1,204,006 submitted low bid to U. S. Engineer Office for repairs to jetty at mouth of the Columbia river. See "Dredging, Harbor Works and Excavations" in this issue for additional bidding data.

SAN FRANCISCO—Until Sept. 8, 10 A. M., under Circular No. 928-32-52 bids will be received by Quartermaster Supply Office, General Depot, Fort Mason, to furnish and deliver, f.o.b. Fort Mason, San Francisco:

Six electric motors; horizontal drive, 3-hp., 220 volt, 60 cycle, single phase, 1800 r.p.m., as illustrated on page 58, Catalogue "A", American Laundry Machine Co. For use with American Laundry Machine Co. motor driven extractors.

Eight control boxes for use with the above motors in connection with above motor driven extractors.

WASHINGTON, D. C.—Bids are being received by the Bureau of Supplies and Accounts, Navy Dept., Washington, D. C., to furnish materials and equipment to Pacific Coast navy yards and stations. Further information on the Schedules listed obtainable from the Navy Purchasing Office, 100 Harrison St., San Francisco:

Bids Open Sept. 15

Western yards, 125 cap sump assemblies; sch. 6418.

San Diego, 12 main fuel tanks, 170 gals. capacity; 6 wing fuel tanks, 30 gals. capacity, and 18 oil tanks; sch. 6424.

San Francisco, 158 electric fans; sch. 6426.

Western yards, thinner paint, volatile-mineral spirits; sch. 6434.

Western yards, coke; sch. 6437.

San Diego, boiler compound; sch. 6439.

Western yards, rubber pump valves; sch. 6432.

Western yards, quantities of dry and flashlight batteries; sch. 6433.

Western yards, mineral oil; sch. 6436.

Steel Contract Awarded.

OFFICES Cost, \$1,294,000

SEATTLE, Washington.

Superstructure, except elevators, for Federal office building.

Owner—United States Government.

Plans by Supervising Architect,

Treasury Dept., Washington, D. C.

Contractor—Murch Bros. Co., 611 Olive St., St. Louis, Mo.

Contract for structural steel awarded to Isaacson Iron Works, 2917 East Marginal Way, Seattle, at approximately \$200,000 and involves approximately 2,700 tons.

As previously reported, elevator contract awarded to Otis Elevator Co., Washington, D. C., \$120,729.

ALAMEDA, Alameda Co., Calif.—(Special Correspondence from Washington, D. C.)—That actual construction of the Army's new air depot at Alameda will get under way shortly is indicated with the receipt in Washington of approved layout plans for the new field by Capt. Leader Larson, Qm. C., construction quartermaster, in charge of the work.

The plans for the field layout include provisions for an administration building 100x180 feet, a main depot supply building 334x480 feet a hangar 200x400 feet, heating plant, quartermaster warehouse, utility building and garage, pumping station, radio station, fuel oil storage tanks, lighter dock and various other small buildings and installations to make the new field the most modern and up to date air corps supply depot on the Pacific coast.

With the receipt of the layout plans bids for grading equipment and the grading of the field will be called for at once. So far \$743,000 for the project had been appropriated by Congress, although Capt. Larson estimates that the total cost of the field known as Benton Field will probably run in the neighborhood of \$2,700,000.

Preparations are under way for the construction of a temporary shed to house grinding equipment, and plans and specifications for drilling a well are now being prepared in the office of the quartermaster general, Alameda.

Plans Being Figured—Bids Close September 23, 11 A. M.

SCREENS Cost, \$—
VALLEJO, Solano Co., Cal. Mare Island Navy Yard.

Furnish and install door, window and arcade screens for barracks at Navy Yard (Submarine Repair Base), under Spec. No. 6622.

Owner—United States Government.
Plans by Bureau of Yards and Docks, Navy Dept., Washington, D. C.

The work consists of the provision and installation of screens for exterior door, window and arcade openings in the barracks building.

Specifications are obtainable from the Commandant, Navy Yard, Mare Island, on deposit of \$10, returnable, checks for same to be made payable to the Chief of the Bureau of Yards & Docks.

ALAMEDA, Alameda Co., Cal.—Until September 10, bids will be received by the Constructing Quartermaster, Benton Field Air Depot, 32 Pacific Avenue, for drilling and testing a 12-inch well for the purpose of supplying water at Benton Field. Specifications obtainable from above office.

MARCH FIELD, Riverside Co., Cal.—Until 11 A. M., Sept. 21, bids will be received by Col. W. C. Gardenhire, constructing quartermaster, March Field, for installing a gasoline fueling system at March Field. Plans may be obtained from the quartermaster upon deposit of \$5. Guarantees in the sum of 10% must accompany each bid. The government will furnish tanks, pipe and fittings.

SAN FRANCISCO—A. J. Ruhlman & Co., 444 Golden Gate Ave., at \$395,900 awarded contract by Constructing Quartermaster, Fort Mason, to furnish and install window shades in 18 double sets of non-commissioned officers' quarters at the Presidio.

SAN FRANCISCO—Federal Hospitalization Board, with headquarters at

Washington, D. C., has voted to ask the War Department for allocation of a site at the Presidio of San Francisco or at Fort Miley, Calif., for the new general veterans' bureau hospital at San Francisco.

Commissioned To Prepare Plans.
POST OFFICE Cost, \$190,000
YUMA, Arizona.
Class A post office.
Owner—United States Government.
Architect—Roy Place, 70 N. Stone Ave., Tucson.

Plans Being Figured—Bids Close Sept. 23, 11 A. M.
ELEVATOR Cost, \$—
MARE ISLAND NAVY YARD, Solano Co., Cal.

Furnish and install 1 5,000-lb. freight elevator in Pattern Shop, Building 55 at Mare Island Navy Yard under Spec. 6668.

Owner—United States Government.
Plans by Bureau of Yards and Docks, Navy Dept., Washington, D. C.

Specification No. 6585 and accompanying drawing may be obtained on application to the Commandant, Navy Yard, Mare Island. Deposit of a check or postal money order for \$5 payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification.

Commissioned To Prepare Plans.
POST OFFICE Cost, \$155,000
MONTEREY, Monterey Co., Cal.

Class A Spanish type post office.
Owner—United States Government.

Architect—Wm. O. Raiguel, Del Monte
The Federal Government appropriated \$180,000 for this structure of which amount \$25,000 has already been expended in the purchase of a site, the remaining \$155,000 to finance erection of the building.

SAN DIEGO, Cal.—Until Sept. 18, 11 A. M., under Specification No. 6627, bids will be received by Public Works Department, 11th Naval District, San Diego, for extension of electrical distributing system at the Naval Operating Base (Training Station), San Diego; Spec. No. 6627. Plans obtainable from Public Works Officer, 11th Naval District, foot of Broadway, San Diego, on deposit of a postal money order or check for \$10, payable to the Chief of the Bureau of Yards and Docks.

PEARL HARBOR, T. H.—Until October 7, under Specification No. 6572, bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for alterations to refrigerating plant, Naval Operating Base (Hospital) Pearl Harbor, T. H. The work consists of the removal of existing refrigerating and ice making equipment and its replacement with a new automatic refrigerating unit consisting of motor driven compressor, condenser, liquid receiver, safety devices, automatic control equipment, brine cooler, motor-driven brine pumps and a holdover tank.

Plans obtainable from District Public Works Officer, Room 513, 100 Harrison St., San Francisco, on deposit of a check or postal money order for \$10 payable to the Chief of Bureau of Yards and Docks.

PEARL HARBOR, T. H.—S. Heller Elevator Co., Milwaukee, Wis., at \$3,995 submitted low bid Aug. 26 to the Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 6557, to furnish and install elevator at Navy Yard, Pearl Harbor. Other bids: Otis Elevator Co., Washington, D. C., \$4,126; J. L. Young Engineering Co., Honolulu, T. H., \$7,200.

SUNNYVALE, Santa Clara Co., Cal.—in addition to those previously reported, following are additional bidders to erect druggist hangar at Sunnyvale, bids for which will be opened on September 23 by the Bureau of Yards and Docks under Specification No. 6631:

American Steel Band Co., 1400 Nixon St., Pittsburgh, Pa.
H. H. Robertson Co., 2000 Grant Bldg., Pittsburgh, Pa.
J. S. Thorn and Co., Inc., 20th St. and Allegheny Ave., Philadelphia, Pa.
W. P. Thurston Co., Richmond, Va.
English Const. Co., Washington, D. C.

Truscon Steel Co., Washington, D. C.
McClintic—Marshall Co., Bethlehem, Pa.

American Bridge Co., Pittsburgh, Pa. Additional bidders for grading and foundations in connection with the same project, under Spec. No. 6632, are
Hercules Const. Co., 21 E 40th St., New York City.
W. P. Thurston, Richmond, Va.

COLFAX, Wash.—Following is a partial list of prospective bidders to erect postoffice at Colfax, bids for which will be opened by the Supervising Architect, Treasury Department, Washington, D. C., Sept. 24:

Harry Boyer, Son & Co., Olympia, Washington.
Fred R. Comb Co., 2113 Chicago Ave. Minneapolis, Minn.
Earl E. Garber & Co., 203 W 4th St., Bethlehem, Pa.
Wm. MacDonald Const. Co., Saint Louis, Mo.

HALLS AND SOCIETY BUILDINGS

Plans Being Figured—Bids Close Sept. 29th, 10:30 P. M.

MEMORIAL BLDG. Cost, \$60,000
ALBANY, Alameda Co., Cal.
Two-story reinforced concrete Veterans' Memorial building (Spanish type, tile roof, ornamental iron, gas heating).
Owner—County of Alameda, George E. Gross, county clerk.
Architect—H. H. Meyers, Kohl Bldg., San Francisco.

Sub-Contracts Awarded.
BUILDING Cost, \$40,000
SAN FRANCISCO. Joyce and Clay Streets.

Two-story reinforced concrete building (Chinese style).
Owner—Chinese Y. W. C. A., 897 Sacramento St., San Francisco.

Architect—Miss Julia Morgan, Merchants' Exchange Bldg., S. F.
Contractor—K. E. Parker, 135 South Park, San Francisco.

Grading—Sibley Grading & Teaming Co., 65 Landers St., S. F.
Plumbing—Alexander Coleman, 746 Ellis St., San Francisco.

Electrical—Chas. A. Langlais, 472 Tehama St., San Francisco.
Lathing and Plastering—W. & A. Gil-mour, 666 Mission St., S. F.

Reinforcing Steel—Soule Steel Co., 1750 Army St., San Francisco.
Ornamental Iron—E. Kloeres & Co., 477 Clementina St., San Francisco.

Heating—J. H. Pinkerton, 927 Howard St., San Francisco.
Glazing—Habernicht Howlett Co., 529 Clay St., San Francisco.

Mill Work—Anderson Bros. Planing Mill, Quint and Custer Sts., S. F.
Brick Work—W. A. Rainey, 323 Clementina St., San Francisco.
Oak Floors—Rex Floor Co., 2468 65th Ave., Oakland.

To Ask Bids In One Week.
ADDITION Cost, \$30,000
BERKELEY, Alameda Co., Cal. 2001 Alston Way.
Two-story and basement frame and

brick addition for gymnasium.
Owner—Y. M. C. A., 2001 Alston Way, Berkeley.
Architect—W. H. Ratcliff, Chamber of Commerce Bldg., Berkeley.

Plans Being Prepared.
REMODELING Cost, \$—
SAN FRANCISCO. Post and Mason.
Remodel present club building.
Owner—Olympic Club, premises.
Architect—John Haskewell, Arthur Brown and John Bauer, associated 251 Kearny St.

Following the abandonment of plans for the proposed \$3,000,000 structure, directors of the club contemplated the expenditure of \$500,000 in remodeling the present quarters. What amount will be expended under the plans now being prepared has not been determined.

Plans To Be Prepared.
MEMORIAL HALL \$22,500
(available in county budget)
EL CERRITO, Contra Costa Co., Cal. Veterans' memorial building.
Owner—County of Contra Costa, J. H. Wells, county clerk, Martinez.
Architect—Not Yet Selected.

The county supervisors have provided a \$22,500 appropriation in the 1931-32 budget to finance this structure which will provide clubrooms for members of the American Legion, Boy Scouts and miscellaneous community activities. A site for the structure will be selected shortly.

Sub-Contracts Awarded.
MEMORIAL BLDG. Cost, \$60,000
GRASS VALLEY, Nevada Co., Cal. South Auburn Street.
One and two-story reinforced concrete Veterans' Memorial building.
Owner—Hague-Thomas-Hegarty Post, Ltd., American Legion (Loyle C. Freeman, Secretary).
Architect—Wm. E. Coffman, Forum Bldg., Sacramento.
Contractor—Burton & Reed, Grass Valley.
Plumbing—D. Eldridge, Grass Valley.
Heating—Alpha Hardware Co., Grass Valley.
Wiring—Leland Paynter, Grass Valley
Plastering—Roy Cutler, Grass Valley.
Other awards reported August 25.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—The Monday Club, Mrs. Fred G. Becker, president, contemplated erecting a new clubhouse in San Luis Obispo.

HOSPITALS

Contracts Awarded.
HOME & NOVIATE Cost, \$—
BURLINGAME, San Mateo Co., Cal. Four-story and basement steel frame and concrete home and novitate (tile roof, steam heating system).
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—Edward Fames, 353 Sacramento St., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Plumbing and Heating—O'Mara and Stewart, 218 Clara St., San Francisco.
Electric Work—Minkel & Lucas, 1535 Folsom St., San Francisco.

FRESNO, Fresno Co., Calif.—Valley Lumber Co., H and Mono Sts., Fresno, at \$1995 submitted low bid to county supervisors for hardwood trim for the children's ward at the county hospital. Inland Light Co., 814 Fulton St., Fresno, at \$1750 low bidder for electric lighting fixtures for the same unit. Bids taken under advisement.

Sub-Bids Wanted.
HEALTH CENTER Cost, \$—
SAN FRANCISCO. Park and Grace Streets.

General construction for 1-story and basement reinforced concrete Class A health center, emergency hospital and office building.

Owner—City and County of San Francisco, S. J. Heister, Sec'ry, Board of Public Works.
Architect—S. Heiman, 57 Post St., San Francisco.

Structural Engineers—Ellison & Russell, Pacific Bldg., S. F.
Barrett & Hilp, 918 Harrison St., general contractors, desire sub-bids on all portions of the work in connection with above, for which general bids are to be opened Sept. 16, 2:30 P. M.

Mechanical Engineer Named—Plans Being Prepared.
KITCHEN & REFRIG. PLANT Cost, \$113,000

STOCKTON, San Joaquin Co., Cal. State Hospital.
Kitchen and refrigeration plant (reinforced concrete construction).
Owner—State of California.
Architect—Peter Sala, 2130 N-Commercial St., Stockton.
Mechanical Engr.—Coddington Co., 222 Kearny St., San Francisco.

Plans Being Figured—Bids Close Sept. 14th.

WARD BLDGS. Cost, \$12,000
MURPHY, Calaveras Co., Cal. Bret Harte Sanitarium.
Two 1-story frame and stucco ward buildings (each to accommodate 20; asbestos shingle roof, electric heating system).
Owner—Bret Harte Sanitarium, Murphy.
Architect—Jos. Losekann, 1218 West Harding St., Stockton.

Preliminary Plans Completed.
HOSPITAL Cost, \$75,000
SALINAS, Monterey Co., Cal. One-story reinforced concrete hospital (30-bed capacity; steam heating system, tile roof, telephone call system, radios, concrete floors).
Owner—Dr. H. C. Murphy, A and Lincoln Sts., Salinas.
Architect—Kent and Hass, 525 Market St., San Francisco.

Upon approval of preliminary plans by owner working drawings will be started.

HOTELS

Preparing Plans.
HOTEL Cost, \$—
LAS VEGAS, Nev. Fifth and Carlson. Nine-story class A reinforced concrete hotel (elevators, cooling and ventilating system, steam heat, etc.; 125x140-ft.; 125 guest rooms and casino).
Owner—Wm. McNeal.
Architect—Jas. A. Fleming, Ray Professional Bldg., Las Vegas.
Lessee—The Virginia Hotel Operating Co., (Carl Ray, Pres.) Ray Professional Bldg., Las Vegas.

Construction Postponed.
HOTEL Cost, \$100,000
HEALDSBURG, Sonoma Co., Cal. Six-story and basement reinforced concrete hotel (tile roof; 60 rooms, 50 baths).
Owner—A. W. Garrett, 403 Matheson, Healdsburg.
Architect—F. H. Slocombe, 62 York Drive, Piedmont.

Sub-Contracts Awarded.
HOTEL Cost, \$300,000
SAN FRANCISCO. Powell and Clay Streets.
Seven-story Class B steel frame and concrete hotel (concrete and com-

position roof; assembly hall with small stage).
 Owner—Young Women's Christian Association, 620 Sutter St., S. F.
 Architect—Miss Julia Morgan, Merchants' Exchange Bldg., S. F.
 Contractor—K. E. Parker Co., 135 South Park, San Francisco.
 Grading—Sibley Grading & Teaming Co., 65 Landers St., San Francisco.
 Structural Steel—Judson-Pacific Co., 609 Mission St., San Francisco.
 Plumbing—Alexander Coleman, 746 Ellis St., San Francisco.
 Electrical—Chas. A. Langlais, 472 Tehama St., San Francisco.
 Lathing and Plastering—W. and A. Gilmour, 666 Mission St., S. F.
 Reinforcing Steel—Soule Steel Co., 1750 Army St., San Francisco.
 Ornamental Iron—E. Kloeres & Co., 477 Clementina St., San Francisco.
 Heating—J. H. Pinkerton, 927 Howard St., San Francisco.
 Glazing—Habernicht Howlett Co., 529 Clay St., San Francisco.
 Mill Work—Anderson Bros. Planing Mill, Quint and Custer Sts., San Francisco.
 Brick Work—W. A. Rainey, 323 Clementina St., San Francisco.
 Oak Floors—Fox Floor Co., 2468 65th Ave., Oakland.

ICE AND COLD STORAGE PLANTS

Contract Awarded.
 ICE RINK Cost, \$—
 RENO, Nevada. E-Pourth St. and Surprise Valley Road.
 Ice skating rink, 228x175 feet, with bowling alley, concession quarters and stores.
 Owner—Reno Sports Palace (P. E. Groesbeck, vice-president), 420 Roberts St., Reno.
 Plans by Contractor.
 Contractor—Ellis & Matteson, 228 N. Virginia St., Reno.
 C. E. Hopkins of Reno is general manager of the Reno Sports Palace.

POWER PLANTS

LCS ANGELES, Cal.—Until 11 A. M. September 11, bids will be received by the Regents of the University of California, Los Angeles, for the erection of a 500 H. P. boiler in connection with two gymnasiums buildings to be built on the campus of the University of California at Los Angeles. Information may be obtained from the Comptroller, 405 Hilgard Avenue, Los Angeles.

SAN FRANCISCO—Until September 14, 3 p. m., under Proposal No. 751, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish 10 electric welding motor generator sets and accessories for the School Department. Specifications and further information obtainable from above office.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

LODI, San Joaquin Co., Calif.—Remington-Rand Business Service, Inc., 39 Second St., San Francisco, at \$982.45 awarded contract by Lodi Library Trustees to furnish and install certain furniture and equipment in the public library.

Specifications Being Completed.
 ELEVATOR Cost, \$—
 OAKLAND, Alameda Co., Cal. 12-13 Floors, City Hall.
 Furnish and install automatic electric passenger elevator.
 Owner—City of Oakland.
 Plans by Board of Public Works.
 Bids will be called for shortly.

Preparing Working Drawings.
 EXPOSITION BLDG. Cost, \$125,000
 OAKLAND, Alameda Co., Cal. Tenth and Fallon Streets.
 One-story steel frame and reinforced concrete exposition building (approximately 140 by 360 feet).
 Owner—City of Oakland, W. W. Chapell, City Clerk.
 Architects and Engineers—Reed & Corlett, and E. W. Cannon, architect, associated.
 Structure will be set on pile foundation and will have a light truss roof.

Plans Being Completed.
 COURT HOUSE Cost, \$180,000
 SAN JOSE, Santa Clara Co., Cal.
 Rebuilding county courthouse destroyed by fire (using present brick walls and foundations) and construct an additional story of steel frame and concrete construction (tile roof, steam heating system).
 Owner—County of Santa Clara, Henry A. Pfister, county clerk.
 Architect—Binder & Curtis, 35 West San Carlos St., San Jose.
 Structural Engineer—Wm. D. Lotz, 1040 Benton St., San Jose.
 Bids will be asked in about 2 weeks.

RESIDENCES

Sub-Contracts Awarded.
 RESIDENCE Cost, \$13,475
 OAKLAND, Alameda Co., Calif. NE Sunnyside Rd. and Grosvenor Pl.
 Two-story and basement frame and stucco residence (8 rooms).
 Owner—Morris and Lena Isaacson, 277 Park View Terrace, Oakland.
 Architect—W. E. Schirmer, 700 21st St., Oakland.
 Contractor—C. H. Thrans, 28 Home Place, Oakland.
 Concrete—M. Medis, 2427 Scenic Ave., Oakland.
 Lumber—Hogan Lumber Co., 2nd and Alice Sts., Oakland.
 Millwork—Lannom Bros., 5th and Magnolia Sts., Oakland.
 Plumbing—J. A. Fazio, 402 Castro St., Oakland.
 Electric—Morgan Electric Shop, 1102 East 14th St., San Leandro.
 Sub bids are being taken on other portions of the work.

August 31, 1931

Sub-Bids Being Taken.
 RESIDENCE Cost, \$6,000
 SAN FRANCISCO. E York 45 N 26th Street.
 One-story and basement frame and stucco residence (tile and composition roof, tile bath and kitchen, etc.)
 Owner—C. P. Navarette, 363 30th St.
 Plans by B. K. Dobkowitz, 425 Monterey Blvd.
 Contractor—G. Neugebauer, 22A Sanchez Street.

Date Of Opening Bids Postponed For A Few Days.
 DUPLEX RESIDENCE Cost, \$15,000
 SAN FRANCISCO, Roosevelt Way N Clifford Terrace.
 Two-story and basement frame and stucco duplex residence (12 rooms and 5 baths; part tile and composition roof, gas heater, canvas walls and ceilings, electric refrigeration, colored tile baths and kitchens).
 Owner—Withheld.
 Architect—Charles F. Strothoff, 2274 15th St., San Francisco.

Plans Being Figured.
 RESIDENCE Cost, \$6,000
 SAN FRANCISCO, San Alamo Ave. S Darien Way.
 One and one-half-story frame and asbestos shingle roof, war air heating system, hardwood floors, tile bath, etc.

Owner—Withheld.
 Architect—William Armitage, Call Bldg., San Francisco.

Sub-Bids Being Taken.
 RESIDENCE Cost, \$5,000
 SAN FRANCISCO. N Athens between Naples and Cordova Sts.
 One-story and basement frame and stucco residence (6 rooms; tile and composition roof, gas furnace, tile bath and kitchen, hardwood floors, etc.)
 Owner—W. E. Grosman, 47 Curtis St.
 Plans by B. K. Dobkowitz, 425 Monterey Blvd.

Sub-Bids Being Taken.
 RESIDENCES Cost each \$5,000
 SAN FRANCISCO, San Jose Ave. and Onida St.
 Nine 1-story and basement frame and stucco residences.
 Owner & Builder—T. J. Sullivan, 1967 Ocean Ave.
 Plans by Owner.

Plans Being Figured.
 RESIDENCE Cost, \$13,000
 OAKLAND, Alameda Co., Cal. Contra Costa Road.
 Two-story and basement frame and stucco residence (9 rooms, 2 baths, steam heating system, gas burner, electric refrigeration, colored tile baths and kitchen, hardwood floors and trim).
 Owner—P. O. Solon, 1924 Broadway, Oakland.
 Architect—Douglas Stone, Great Western Power Bldg., Oakland.

Plans Completed.
 RESIDENCES Cost each, \$5,000
 SAN FRANCISCO, Vicente, Escollita Way, 31st and 33rd Avenues.
 Twelve 1-story and basement frame and stucco residences (5 rooms & breakfast room, part tile and composition roof, gas heating system, colored tile baths and kitchens).
 Owner and Builder—Stoneson Brothers & Thorinson, 279 Buena Vista Ave.
 Plans by Owner.
 Construction will start within one week.

Bids Rejected.
 RESIDENCES Cost each, \$6,000
 YOSEMITE PARK, Mariposa Co., Cal.
 Three 1-story frame and stucco residences (one 7-room and 2 baths, and two 6 rooms).
 Owner—United States Government.
 Plans by John R. Wosky, National Park Service, 525 Market St., San Francisco.

All bids were rejected as they ran too high. Work will be done by day's labor under the supervision of the Government. Sub-bids will be taken on various portions of the work.

Sub-Bids Being Taken.
 RESIDENCE Cost, \$18,000
 PALO ALTO, Santa Clara Co., Calif. Emerson St.
 Two-story and basement frame, stucco and brick veneer residence (10 rooms, 4 baths, shingle roof, gas furnace, colored tile baths and kitchen).
 Owner and Builder—Cleveland Smith, President Hotel, 935 Geary Street, San Francisco.
 Architect—Treichel & Goodpastor, 1540 San Pablo Ave., Oakland.

August 28, 1931
 Preparing Preliminary Plans.
 RESIDENCE Cost, \$30,000
 HONOLULU, T. H. Diamond Head.
 Residence.
 Owner—C. J. Henderson, Honolulu.
 Architect—W. W. Wurster, 260 California St., San Francisco.

Sub-Bids Being Taken.
RESIDENCE Cost, \$12,000
PALO ALTO, Santa Clara Co., Calif.
 Cowper Street.
 Two-story and basement frame, stucco and brick veneer residence (7 rooms, 2 baths, tile and composition roof, gas furnace, colored tile bath and kitchen, hardwood floors etc.)
 Owner and Builder—Cleveland Smith, President Hotel, 935 Geary Street, San Francisco.
 Architect—Treichel & Goodpastor, 1540 San Pablo Ave., Oakland.

Preparing Preliminary Plans.
RESIDENCE Cost, \$—
HONOLULU, T. H.
 Large residence.
 Owner—W. Thomas Balding, Honolulu
 Architect—W. W. Wurster, 260 California St., San Francisco.
 Details will be given later.

Plans Being Prepared.
RESIDENCE Cost, \$—
BERKELEY, Alameda Co., Cal. Hilldale Avenue.
 Two-story and basement frame and stucco residence (Spanish type; 5 rooms, double garage, tile roof, hot air and gas heating system, colored tile bath and kitchen).
 Owner—E. H. Russ, Berkeley Bank Bldg., Berkeley.
 Architect—Hardman & Russ, Berkeley Bank Bldg., Berkeley.

Contract Awarded.
RESIDENCE Cost, \$7000
BERKELEY, Alameda Co., Cal. Alvarado Road.
 Two-story frame and stucco residence (5 rooms; tile roof, gas heat, tile baths and kitchen, electric refrigeration).
 Owner—E. T. Starbuck, 1421 Euclid Ave., Berkeley.
 Architect—H. H. Gutterson, 526 Powell St., San Francisco.
 Contractor—T. D. Courtright, 5093 Manila Ave., Oakland.

Contract Awarded.
RESIDENCE Cost, \$10,500
SAN FRANCISCO. NE Hancock and Noe Sts.
 Two-story and basement frame and stucco apt. flat (two 5-room apts.; part tile and composition roof, gas and hot water heater).
 Owner—Dr. H. B. Ward, 350 Post St.
 Architect—Blaine & Olsen, 1755 Broadway, Oakland.
 Contractor—T. A. Cuthbertson, 430 Noriega St.

Sub-Bids Being Taken.
RESIDENCE Cost, \$—
SAN FRANCISCO, N Cayuga Ave. between Stanton and Lyle.
 One-story and basement frame and stucco residence (4 rooms).
 Owner and Builder—W. E. Barker, 312½ San Jose Avenue.
 Plans by B. K. Dobkowitz, 425 Montgomery Blvd.

Construction Postponed Temporarily.
RESIDENCE Cost, \$16,000
SAN JOSE, Santa Clara Co., Cal.
 Two-story and basement frame and stucco residence (8 rooms and 3 baths).
 Owner—Dr. E. E. Porter, Security Bldg., San Jose.
 Architect—Wolfe and Higgins, Realty Bldg., San Jose.

Contract Awarded.
RESIDENCE Cost, \$5000
LOS ALTOS, Santa Clara Co., Cal.
 Two-story frame and stucco residence (5 rooms).
 Owner—H. H. Powell, Boulder Creek, Calif.
 Plans by Herberger and Keefe, 770 Wesley Ave., Oakland.
 Contractor—E. B. Taylor, Palo Alto.

Contract Awarded.
RESIDENCE Cost, \$19,500
SAN JOSE, Santa Clara Co., Morrison and Emery Streets.
 Two-story and basement frame and stucco residence (9 rooms, 3 baths, tile roof, steam heating, gas fired boiler, electric refrigeration, colored tile, baths and kitchen).
 Owner—R. Bressani, San Jose.
 Architect—Herman Krause, P. O. Box No. 783, San Jose.
 Contractor—Megna & Newell, Bank of Italy Bldg., San Jose.

Preparing Working Drawings.
RESIDENCE Cost, \$15,000
SAN JOSE, Santa Clara Co., Cal.
 One-story and basement frame and stucco residence (8 rooms, 3 baths, hot air heating system, colored tile baths).
 Owner—P. Muetze, 82 Clayton St., San Jose.
 Architect—W. E. Higgins, Realty Bldg., San Jose.
 Plans will be ready for bids in two weeks.

Contract Awarded.
RESIDENCE Cost, \$70,000
PIEDMONT, Alameda Co., Cal. Piedmont Estates.
 Two-story and basement frame and stucco residence (Italian style, tile roof, ornamental iron, marble, gas heat, vapor system, landscaping).
 Owner—R. K. Ham, Latham Square Bldg., Oakland.
 Architects—Noble and Archie T. Newsum, Russ Bldg., San Francisco.
 Contractor—A. Cedarborg, 1455 Excelsior Blvd., Oakland.

Contract Awarded.
RESIDENCE Cost, \$6500
LODI, San Joaquin Co., Cal.
 Two-story frame, stucco and brick veneer residence (6 rooms) shingle roof, gas heating system, tile floor in bathroom, hardwood and pine finish, 2-car garage.
 Owner—Dr. W. J. Coffield, Lodi.
 Architect—Victor Galbraith, Elks Bldg., Stockton.
 Contractor—Bender & Fry, Lodi.

SCHOOLS

Preparing Plans.
ADDITION Cost, \$100,000
LOS ANGELES, Cal. No. 7676 S. San Pedro Street.
 Brick and concrete Class C high school addition (12 units).
 Owner—Los Angeles City School Dist.
 Architect—Edwin Berstrom, Citizens National Bank Bldg., Los Angeles.
 Heating Engineer—D. S. Reynolds.

Sprinkler Bids Wanted—To Be Opened
 Sept. 21, 7:30 P. M.
SCHOOL Cost, \$—
SACRAMENTO, Sacramento Co., Cal. Thirty-fourth and W Streets.
 Sprinkler system for one-story brick and steel manual training quarters for high school.
 Owner—City of Sacramento School District, Charles Hughes, Superintendent, Board of Education.
 On previous call for bids following were submitted: Fire Protection Engineering Co., 369 Pine St., San Francisco, at \$2588; Automatic Sprinkler Corp., S. P., at \$2976; Globe Automatic Sprinkler Corporation, S. F., at \$4640; Carpenter & Mendenhall, Sacramento, at \$5500.

OAKLAND, Cal.—Bids will be asked shortly by the Oakland Board of Education for landscape gardening at the Fremont High School located at 48th Ave. and Foothill Blvd., Oakland.

Contract Awarded.
SCHOOL Cost, \$100,000
REDWOOD CITY, San Mateo Co., Cal. NE Katherine and Grand Sts.
 Two-story concrete school (Spanish type, ten classrooms, club house, auditorium and cafeteria).
 Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
 Architect—H. A. Minton, 525 Market St., San Francisco.
 Contractors—L. N. Pollard, 55 Brewster Ave., Redwood City.
 New bids will be taken on plumbing, heating and electric work.

To Ask Bids Within A Few Days.
ADDITIONS * Cost, \$40,000
SALINAS, Monterey Co., Cal. Lincoln and Roosevelt Schools.
 Alterations and additions to frame and stucco schools (tile roofs, steam heating system to connect to main heating plant).
 Owner—Salinas City School District.
 Architect—Chas F. Butler, Glickburg Bldg., Salinas.

Plans Completed.
SCHOOL Cost, \$135,000
SAN FRANCISCO. Connecticut St., bet. 19th and 20th Sts. (Matt I. Sullivan Elementary School).
 Three-story reinforced concrete school.
 Owner—City and County of San Francisco, S. J. Hester, Secretary, Board of Public Works.
 Architect—G. A. Applegarth, Claus Spreckels Bldg., San Francisco.
 This structure will contain 11 standard classrooms, 1 kindergarten, 1 assembly hall and lunch room with kitchen, teachers' office, clinic and waiting room, storage rooms, two lavatories, etc.

BERKELEY, Alameda Co., Calif.—Ariss-Knapp Co., 961 41st St., Oakland, at \$2,100 submitted low bid to Board of Education for grading and paving a portion of the upper playground and grading the sidewalk area along the south side of Hopkins St., at the Garfield School Grounds. Complete list of bids under "Streets and Highways," this issue.

BERKELEY, Alameda Co., Calif.—Until Sept. 21, 3 P. M., new bids will be received by Clara F. Andrews, secretary, Board of Education, 2325 Milvia Street, to furnish and deliver one used Engine Lathe and Shaper, complete, for the Berkeley School District. Previous bids rejected. Further information obtainable from the clerk.

Contracts Awarded.
HEATING PLANT Cost, \$—
BERKELEY, Alameda Co., Cal.
 Supplies for use in repairing Washington School heating plant.
 Owner—Berkeley City School District, Clara F. Andrews, Secretary.
 Following awards were made:
 Plant Rubber & Asbestos Co., 537 Brannan St., San Francisco.....\$260
 Crane Co., 41 New Montgomery St., San Francisco.....235
 Walworth Co., 253 2nd St., S. F.....364
 Grinnell Co. of Pacific, Fifth and Brannan Sts., S. F.....546

Plans Being Figured—Bids Close Sept.
 10, 7:30 P. M.
SCHOOL Cost, \$18,000
LATON, Fresno Co., Cal.
 One-story frame and stucco high school unit.
 Owner—Laton Joint Union High School District.
 Architect—W. D. Coates, Jr., Rowell Bldg., Fresno.
 Structure will house administration rooms, including principal's office and supply rooms in addition to two classrooms.

To A-R Bids Within A Few Days.
SCHOOL. Cost (est unit) \$10,000
SALINAS, Monterey Co., Cal.
One-story frame and stucco school
(tile roof, gas appliance heat).
Owner—Spring School District
Architect—Chas. F. Butler, Glickburg
Bldg., Salinas.

Bld Opening Postponed.
IMPROVEMENTS. Cost, \$—
MODESTO, Stanislaus Co., Cal.
Construct boys' shower room as an
addition to gymnasium and plaster
exterior of gymnasium and
trimming building in the Modesto
Junior College and install steam
heating system in the Agricultural
Building, Music Hall and office of
bus shed.
Owner—Modesto City School District,
E. D. Abbott, Secretary, Board of
Education, Modesto.
Architect—Davis-Pearce Co., Builders'
Bldg., Stockton.

NOTE—Bids on this project were
scheduled to be opened yesterday (Aug-
ust 28) but due to the failure of the
school board to provide in the official
call for bids the prevailing wage rate
as required by recently enacted state
legislation, the opening of bids has
been postponed. A new date will be
set shortly.

Prospective Bidders.
ADDITION. Cost, \$12,000
KENTFIELD, Marin Co., Cal. Marin
Junior College Campus.
One-story four-classroom addition to
Science Building (wooden frame,
stucco exterior, tile roof).
Owner—Marin Junior College District,
Kentfield.

Architect—A. A. Cantin, 544 Market
St., San Francisco.
Following contractors have secured
plans:

Jacks & Irvine, 74 New Montgomery
St., San Francisco.
J. S. Hannah, 268 Market St., San
Francisco.
Universal Const. Co., 319 Grant Ave.,
San Francisco.
Leibert & Trobeck, Rialto Bldg., San
Francisco.

Edward Jackson, 480 4th St., San
Rafael.

Petaluma Const. Co., Petaluma.
Empire Const. Co., Shell Bldg., San
Francisco.

James L. McLaughlin, 251 Kearny
St., San Francisco.

San Francisco Const. Co., 3951 Fill-
more St., San Francisco.

C. M. Norgrove.
J. W. Cobby & Son, 260 Tehama St.,
San Francisco.

DeLuca & Son, 666 Mission Street,
San Francisco.

W. F. Wegner, 225 Mont Vista Ave.,
Larkspur.

Bids are to be opened Sept. 17, 8:30
P. M.

Contract Awarded.
GYMNASIUM. Cost, \$45,000
WASCO, Kern Co., Cal.

Two-story concrete and brick gymna-
sium (steel frame; composition
roof; maple floors; steam heating
system).

Owner—Wasco Union High School
District.

Architect—Ernest J. Kump, Rowell
Bldg., Fresno.

Contractor—Currie & Duglar, Bakers-
field, \$47,800.

As previously reported heating con-
tract awarded to Newman & Hudson,
Fresno, at \$3255; F. H. DeQuine, Was-
co, awarded plumbing at \$2952; Ed-
ward Prader, Visalia, awarded elec-
trical work at \$2333.

Plans To Be Prepared.
HEATING PLANT. Cost, \$—
CARMICHAEL, Sacramento Co., Cal.
Remodel and extend school heating
plant (new boiler to be installed).

Owner—Carmichael School Dist., Car-
michael.
Architect—Not Selected.

Contract Awarded.
SHADES. Cost, \$—
MADERA, Madera Co., Cal.
Furnish and install window shades in
high school addition.

Owner—Madera Union High School
Dist., C. M. Petty, clerk, Madera.
Contractor—Cunningham Furniture
Co., Madera.

Following is a complete list of bids:
Williams & Son, Fresno \$888, \$902
Cunningham Furniture Co., Ma-
dera 972
F. E. Turner, Stockton 1016
C. F. Weber (Fresno Agcy.) 1104
Williams and Son bid \$808 for Co-
lumbia Standard and \$902 for Co-
lumbia De Lux. Award was made to
Cunningham Co. due to features in
adjustment and fastening for curtains,
etc.

HEATING-VENTILATING Cost, —
HOLLISTER, San Benito Co., Cal.
Install heating and ventilating sys-
tem in uncompleted first and sec-
ond units of high school plant.
Owner—San Benito County High
School District, J. M. O'Donnell,
president of the Board of Trus-
tees.

Architect—W. H. Weeks, 525 Market
St., San Francisco.

Following is complete list of bids:

(1) add for oil tank and oil burning
furnace.
(2) add for gas main control valves
from street and gas furnace
boiler.

(3) add for underground piping from
second unit of High School, com-
plete.

(a) Scott Co., 113 10th St.,
Oakland \$11,473

..... (1) \$ 1,200
..... (2) \$ 780
..... (3) \$ 1,390

(b) Carl T. Doell, Oakland \$12,080
..... (1) \$ 1,515
..... (2) \$ 798
..... (3) \$ 1,516

(c) George C. Bell, Oak-
land \$12,100
..... (1) \$ 1,290
..... (2) \$ 945
..... (3) \$ 1,627

(d) George Schuster, Oak-
land \$12,246
..... (1) \$ 1,192
..... (2) \$ 760
..... (3) \$ 1,247

(e) W. H. Picard, Oak-
land \$12,503
..... (1) \$ 1,211
..... (2) \$ 870
..... (3) \$ 1,257

(f) W. H. Park, Burlin-
game \$12,070
..... (1) \$ 1,440
..... (2) \$ 350
..... (3) \$ 1,467

(g) A. J. Peters, San Jose \$13,200
..... (1) \$ 1,500
..... (2) \$ 850
..... (3) \$ 1,450

(h) Wm. Serpa, San Jose \$14,490
..... (1) \$ 1,235
..... (2) \$ 1,890
..... (3) \$ 1,930

Bid of Scott Co. held under advise-
ment until Sept. 1st, 3 p. m.

Contract Awarded.
SCHOOL. Cost, \$10,235
SEVILLE, Tulare Co., Cal.

School (2 classrooms, office and toilet
rooms).

Owner—Stone Corral School Dist., R.
T. Miksch, clerk, Route 3, Box 193,
Visalia.

Architect—E. W. Peterson, Mason
Bldg., Fresno.

Contractor—Jolly & Harrington, Fresno
Complete list of bids received on
this project published in issue of Aug.
22nd.

BANKS, STORES & OFFICES

FRESNO, Fresno Co., Cal.—Edmond
Wong, 1528 Tulare St., Fresno, will
expand \$20,000 in remodeling quarters
in the Pacific Gas & Electric Building
at 2037 Tuolumne St., for an Oriental
tea garden. Plans will provide for a
modern cafe, dance floor, soda foun-
tain, refrigerating system, heating and
cooling systems.

Contract Awarded.
REMODELING. Cost, \$15,000
FRESNO, Fresno Co., Cal. NW Fulton
and Kern Streets.

Remodel interior for department store.
Owner—Thrifty Department Stores,
Los Angeles.

Private plans.
Contractor—Fred J. Stone, Mason
Bldg., Fresno.

Preparing Preliminary Plans.
STORES. Cost, \$—
FRUITVALE, Alameda Co., Cal.

One-story Class C store building (5
stores).
Owner—Withheld.

Architect—Guy L. Brown, American
Bldg., Oakland.

Plans Being Figured—Bids Close Sept.
10th.
STORE. Cost, \$12,000
VALLEJO, Solano Co., Cal. Sonoma
St. near Georgia St.

One-story brick, terra cotta and ce-
ment store with steel columns
and beams (5 stores); tar and
gravel and part hand made tile
roof.

Owner—F. D. Jones, Vallejo.
Architect—F. H. Siocomey, 3830 Har-
rison St., Berkeley.

Work Started.
REMODELING. Cost, \$20,000
SAN RAFAEL, Marin Co., Cal. Peter
Building.

Remodel fire floor of Peter Bldg. for
store (fixtures and interior dec-
orating).

Owner—Louis Peter.
Architect—Not Given.

Lessee—Jacob Albert, San Rafael.
Contractor—Leibert & Trobeck, Rialto
Bldg., San Francisco.

Fixtures—Weber - American Co., Ltd.,
2800 20th St., San Francisco.

Contract Awarded.
REMODELING. Cost, \$3500
SAN FRANCISCO. 740 Market St.

Alterations to store front and interior
case work, more partitions, etc.)

Owner—Bankers' Investment Building
Corp., 270 Market St.

Architect—Not Given.
Contractor—Barrett & Hilp, 918 Har-
rison Street.

Plans Being Figured.
MARKET. Cost, \$25,000
BERKELEY, Alameda Co., Cal. Tele-
graph Ave. and Ward St.

One-story brick and tile drive-in mar-
ket (steel trusses, composition
roof).

Owner—J. E. Holstrom.
Architect—Treichel & Goodpastor, 1540
San Pablo Ave., Oakland.

Contract Awarded.
REMODELING. Cost, \$100,000
SAN FRANCISCO. No. 835 Market
Street.

Renovate four-story department store
(remodel all departments into sepa-
rate shops, re-decorate dome,
modernize front of building).

Owner—The Emporium (J. A. Smith,
Supt.), 835 Market St., S. F.

Private plans.
Home Mfg. Co., 552 Brannan St.,
has been awarded the contract for re-
modeling the sporting goods section.
Bids on other portions of the work
will be taken in about two weeks.

Contract Awarded.
STORE Cost, \$2500
PACIFIC GROVE, Monterey Co., Cal.
Adeline Avenue.
One-story frame and stucco store.
Owner—Elliot Hadden, 219½ Fourth
St., Pacific Grove.
Plans by Ralph H. Johnson, % Owner
Contractor—H. E. Washburn, 153
Pacific St., Pacific Grove.

Contract Awarded.
STORE Cost, \$5000
SAN FRANCISCO, NE Chestnut St.
and Malheur Way.
One-story class C concrete store.
Owner—C. Jurensen, % contractor.
Plans by H. Kirk, % contractor.
Contractor—Schultz Const. Co., 1 Hill-
crest Blvd., Millbrae.

Contract Awarded.
STORE Cost, \$10,000
SAN FRANCISCO, N Chestnut Street
and E Pierce Sts.
One-story class C concrete store.
Owner—H. J. Oser, % contractor.
Plans by H. Kirk, % contractor.
Contractor—Schultz Const. Co., 1 Hill-
crest Blvd., Millbrae.

Contract Awarded.
STORE Cost, \$10,000
SAN FRANCISCO, NE Chestnut and
Pierce Streets.
One-story class C concrete store.
Owner—A. Goldsmith, % contractor.
Plans by H. Kirk, % contractor.
Contractor—Schultz Const. Co., 1 Hill-
crest Blvd., Millbrae.

Contract Awarded.
STORES & OFFICES Cost, \$11,000
SAN FRANCISCO, S McAllister 175
E Fillmore St.
One-story frame and stucco store and
offices.
Owner—Shenson Bros., 1055 McAllis-
ter Street.
Plans by C. N. Burrell, 1404 Franklin
St., Oakland.
Contractor—V. Cavallo, 1111 Jones St.,
Berkeley.

Contract Awarded.
RESTAURANT Cost, \$7000
OAKLAND, Alameda Co., Cal. Outer
Harbor.
One-story frame and stucco restau-
rant (130x20 ft.; composition roof,
stucco walls, magnesite flooring,
etc.).
Owner—City of Oakland (Port Com-
mission), 424 Oakland Bank Bldg.,
Oakland.
Plans by Eng. Dept. of Owner.
Contractor—Sullivan & Sullivan, 3927
39th Ave., Oakland.

Following is a complete list of bids:
Sullivan & Sullivan, Oakland\$6683
George Swanstrom, Oakland 6694
Easterly & Tatem, Oakland 6697
C. M. Norgrove, Berkeley 6774
J. B. Peterson, Oakland 6885
R. C. McBridge, Oakland 6930
Schuler & MacDonald, Oakland 7000
Jacobs & Pattiani, Oakland 7234
R. W. Littlefield, Oakland 7269
S. O. McDonald & Son, Oakland 7300
W. G. Thornally, Oakland 7310
J. E. Bishop, Oakland 7394
C. E. Burke, Oakland 7522
Jensen & Pedersen, Oakland 7596
N. H. Sjöberg & Son, S. F. 7643
E. T. Lesure, Berkeley 7689
Fred Hambleton, Oakland 7790

Sub-Contracts Awarded.
ADDITION Cost, \$7500
OAKLAND, Alameda Co., Cal. Twenty-
second Ave. and E-Tenth St.
Alterations and additions to Class C
office building.
Owner—California Wire Works, Prem.
Architect—Alben Froberg, Ray Bldg.,
Oakland.
Contractor—Henry J. Christensen, Ray
Bldg., Oakland.
Plumbing—Frank Gottstein, 226 8th
St., Oakland.

Reinforcing Steel—W. S. Westmahl
Co., 17th and Wisconsin Sts., San
Francisco.
Electrical—T. J. Rosenberg Co., 411
Webster St., Oakland.
Sub-bids are being taken on other
portions of the work.

THEATRES

Sub-Bids Wanted
THEATRE Cost, \$80,000
BERKELEY, Alameda Co., Cal. Shat-
tuck Ave. and Bancroft Way.
Two-story class A reinforced concrete
theatre and store (to seat 900).
Owner—United Artists Theatres of
California (Jos. M. Schenck, vice-
president), 1966 S Vermont Street,
Los Angeles.
Architect—Walker & Eisen and C. A.
Balch, Western Pacific Bldg., Los
Angeles.

Contractor—Henry I. Beller Const. Co.
Mercantile Bank Bldg., Berkeley.
Monolithic concrete, exterior finish,
wood interior partitions, composition
roofing, concrete and wood floors, hot
air heating system and gas furnace.
Reinforcing Steel—W. C. Hauck, 280
San Bruno Ave., San Francisco
Sub-bids are wanted on painting,
plastering, mill work, glass, plumbing,
heating, ventilating, electric, sheet
steel sash and ornamental iron.

As previously reported, lumber con-
tract awarded to Tilden Lumber Co.,
Foot of University Ave., Berkeley; ex-
cavation to Ariss-Knapp Co., 961 41st
St., Oakland.

Sub-Bids Wanted
THEATRE Cost, \$60,000
VALLEJO, Solano Co., Cal.
Two-story class A reinforced concrete
theatre and store.
Owner—United Artists Theatres of
California (Jos. M. Schenck, vice-
president), 1966 S Vermont Street,
Los Angeles.
Architect—Walker & Eisen and C. A.
Balch, Western Pacific Bldg., Los
Angeles.

Contractor—Henry I. Beller Const. Co.
580 Market St., San Francisco, and
6513 Hollywood Blvd., Los Angeles
Monolithic concrete, exterior finish,
concrete and wood floors, wood, metal
lath and plaster interior partitions,
composition roofing, hot air heating
system and gas furnace.
Lumber—Vallejo Lumber Co., Vallejo.
Reinforcing Steel—W. C. Hauck, 280
San Bruno Ave., San Francisco
Sub-bids are wanted on painting,
plastering, mill work, glass, plumbing,
heating, ventilating, electric, sheet
steel sash and ornamental iron.

Contract Awarded.
STORE Cost, \$14,000
OAKLAND, Alameda Co., Cal. Broad-
way and Telegraph Ave. near 17th.
One-story class C concrete store.
Owner—Mary A. Bowles.
Architect—Douglas Dacre Stone, Gt.
Western Power Bldg., Oakland.
Contractor—R. W. Littlefield, 337 17th
St., Oakland.

Contract Awarded.
REMODELING Cost, \$—
RENO, Nevada. Majestic and Gra-
nada Theatres.
Remodel interior of two theatres (de-
corating, painting, etc.).
Owner—T. & D. Junior Theatres, 25
Taylor St., San Francisco.
Architect—F. J. DeLongchamps, Ga-
zette Bldg., Reno.
Contractor—Salth Bros., 2319 Central
Ave., Alameda.

SALINAS, Monterey Co., Cal.—John
Peters and Lawrence Borg, operating
the Crystal Theatre, will make ex-
tensive alterations to that structure,
closing the building between Aug. 31

and Sept. 5. Enlargement of the proscenium arch, redecorating, installa-
tion of hangings and drapes and in-
stallation of new fixtures are among
improvements contemplated.

Plans to be Revised.
Contracts Awarded.
ALTERATIONS Cost, \$20,000
BERKELEY, Alameda Co., Cal. 2322
Adeline Street.
Remodeling reinforced concrete the-
atre.

Owner—Kalliski-Harband Theatre Co.,
3322 Adeline St., Berkeley.
Architect—A. A. Cantin, 644 Market
St., San Francisco.
Work involves new concrete stair-
way, pine flooring, re-arranging stage,
ornamental plaster, revising electrical
work, revising heating plant, general
interior decoration.

General Contract—Alfred Hopper, 1769
Pleasant Valley Avenue, Oakland,
411 462.

Electrical Work—Matson & Seabrook,
4115 Broadway, Oakland, \$2500.

Heating—Chas. R. Watts, 1186 Spruce
St., Berkeley.

Planned.
THEATRE Cost, \$—
BOULDER CITY, Nevada.
Theatre (to seat 900).
Owner—Capitol Theatre Corp., Milton
Arthur, president, 219 E Seaside
Ave., Long Beach.
Architect—Not Selected.

WHARVES AND DOCKS

Contract Awarded.
WHARF Cost, \$100,000
OAKLAND, Alameda Co., Cal. Foot
of Adeline Street.
Timber wharf (42x30-ft.) reinforced
concrete bulkhead wall, creosoted
piling.
Owner—El Dorado Terminal Co., 260
California St., San Francisco.
Engineer—Frank White, Ferry Bldg.,
San Francisco.
Contractor—Duncanson-Harrelson Co.,
deYoung Bldg., San Francisco.
There is approximately 50,000 cubic
yards of dredging involved. Also a
railroad track to connect with the
Western Pacific Railroad.

MISCELLANEOUS CONSTRUCTION

Preparing Plans.
BOARDER STATION Cost, \$8000
HORN BROOK, Siskiyou Co., Cal.
One-story rustic boarder station.
Owner—State of California.
Architect—George B. McDougall, state
architect, Public Works Building,
Sacramento.

SAN FRANCISCO—Supervisor Carl
W. Miles has submitted a resolution
to the Board of Supervisors providing
for a \$1,000,000 bond issue to finance
erection of an agricultural and live-
stock exhibit building to which would
be added \$250,000 voted by the last
Legislature to Agricultural Exhibit
District No. 1, comprising San Fran-
cisco and San Mateo Counties. The
resolution has been referred to the
Finance Committee for report.

BERKELEY, Alameda Co., Cal.—D.
N. & E. Walter Co., 562 Mission St.,
San Francisco, at \$1,948.30 submitted
lowest bid to Purchasing Department
of the University of California to fur-
nish linoleum for the Eshleman Mem-
orial.

Following is complete list of bids:
D. N. & E. Walter, S. F.\$1,948
Van Fleet-Freear Co., S. F. 2,079
W. & J. Sloane, S. F. 2,231
Clim-Ed Edge Co., Oakland 2,334
Bids held under advisement.

Plans Being Prepared—Bids Close September 14, 3 P. M.

STEEL SHELVING Cost, \$—
SAN FRANCISCO.

Furnish and install heavy duty steel shelving in Central Warehouse for the Bureau of Supplies (under Proposal No. 755).

Owner—City and County of San Francisco, Leonard S. Leavy, city purchasing agent.

Architect—Not Given.

Specifications obtainable from the office of the city purchasing agent, 270 City Hall.

OAKLAND, Cal.—Western Steel & Wire Co., 439 Bryant St., San Francisco, at \$3,136 submitted low bid to East Bay Municipal Utility District to furnish 2,705 lin. ft. of 2-inch mesh link fence six feet high with posts, fittings and barbed wire, under Proposal No. 338. Nine other bids, all identical at \$3,323.47, were submitted by West Coast Iron Works, Hercules Co., Maxwell Hardware Co., California Wire Cloth Co., Michel & Pfeiffer Iron Works, Anchor Post Fence Co., Kamlan Fence Co., California Ornamental Wire Fence Co., and Standard Fence Co. All bids taken under advisement.

Plans Being Prepared—Bids Close September 14, 3 P. M.

CASE WORK Cost, \$—
SAN FRANCISCO.

Furnish and install case work in Central Warehouse for the Municipal Bureau of Supplies (under Proposal No. 754).

Owner—City and County of San Francisco, Leonard S. Leavy, city purchasing agent.

Architect—Not Given.

Specifications obtainable from the office of the city purchasing agent, 270 City Hall.

MISCELLANEOUS SUPPLIES AND MATERIALS

PHOENIX, Ariz.—The Kittle Mfg. Co., 648 Santa Fe Ave., Los Angeles, awarded contract by State Highway Dept. August 27 at \$19,978.58 for furnishing 131,711 pairs of automobile license plates for 1932. The bid was 14.5c a unit. The plates will be 5x10-in. and will involve approximately 75,000 lbs. of copper.

SAN FRANCISCO—Following firms awarded contract by Leonard S. Leavy, city purchasing agent, under Proposal No. 741, to furnish and deliver linseed oil, shellac, turpentine, lead, litharge, mineral brown and putty as may be required by city from time to time during tri-annual term commencing Sept. 1 and ending Dec. 31, 1931: Dan P. Maher Paint Co.; General Paint Corporation; W. P. Fuller & Co.

Effective July 1, 1933, tourists and residents of Florida will pay a tax of 7 cents a gallon on all gasoline sold. This is the highest gasoline state tax paid in the United States.

Wage rates in bar iron mills having contracts with the Amalgamated Association of Iron, Steel and Tin Workers will remain unchanged during September and October, according to word from Youngstown, Ohio. Puddlers will receive \$10.30 a ton, the rate which has been in effect since January 1, 1931. The average sales price of bar iron during July and August, used as a basis for computing the rate for the following two months, was 1.70 cents a pound, as against an average price of 1.80 cents in the like period of 1930.

The August number of Nation's Business lists the following recent innovations in the Building World:

"They are ankle high radiators, aluminum for framing tall buildings, imitation lava for making interior concrete floors, heat-supplying rugs, glass brick to make hung buildings absolutely all window. A New York inventor has built models of a house which hang suspended from a fabricated steel pole in bed rock. Read wood which can be cut with scissors and bent almost double is a new product which combines the texture and attractiveness of natural wood with the workability of heavy cloth."

State highway expenditures to date for 1931, including commitments inherited from the Young administration, are revealed as having reached the total of \$20,413,217.

Since the first of the year, \$13,705,875 worth of new projects have been launched, while \$3,306,230 has been spent on maintenance and related activities.

The figures were announced by Gov. Rolph, who pointed to the fact that this outlay represents a 27 per cent increase over that made in a similar period in 1930. Major highway contracts alone, totaling \$13,300,000, exceed those of the corresponding 1930 period by \$2,600,000, a jump of 22 per cent.

In the six weeks' period of July 1-August 15, an additional \$3,124,173 has been allocated to road construction, the governor said.

Expenditures on public buildings bring the total outlay handled thru the department of public works well past the \$25,000,000 mark. During the first nine months \$5,868,010 was allocated to 90 construction projects, a number of which were withdrawn from supervision of the division of architecture and placed in the hands of private architects. During the last half of the year, according to the governor, an additional \$4,858,273 will be used in the state building program.

There is given below a tabulation of concrete pavement yardage awarded in the United States during the month of July, divided according to roads, streets and alleys, and the total for the seven months' period ended Aug. 1, 1931:

	During July	To Aug. 1
Roads	9,309,088	89,977,333
Streets	3,861,583	13,887,377
Alleys	98,900	512,890
Total	12,469,571	104,377,601

Compared with the same date in 1930, fires in the national forests of California have this year burned over four times the acreage and have cost over twice as much to control, according to a report just issued by Regional Forest S. E. Show. A total of 909 fires have covered 59,505 acres and have cost \$193,090 to suppress as compared with 652 fires, 15,306 acres and \$31,010 last year. The number of man-caused fires to date this season is 70 per cent of the total, a slight decrease over 1930.

Owing chiefly to a decline in the sale of timber, receipts from the national forests decreased \$1,753,679 for the fiscal year ending June 30, as compared to the previous year, the U. S. Forest Service announces. There were small gains in grazing fees for cattle and horses, permits for land uses and other national forest resources. The drop in receipts was spread over all the 150 national forests of the United States and Alaska.

George H. Moriarty, vice-president and general manager of the Durant Motor Car Company of California and former executive assistant to W. C. Durant himself, in a recent address before the San Francisco Electrical Development League, said:

"Production has exceeded demand, prices have had to be dropped to encourage public buying, and with prices reduced volume must be increased in order to stabilize costs. . . . But, when volume begins to sway up and down, the financial statement begins to show losses, and when this happens the Bears of Wall Street take advantage of the poor earnings and then the short selling begins; and, of course, as the stocks start to drop the dividends decrease—for when all is said and done, it is not what the stock is selling for, it is what the earnings of the enterprise are that counts."

"Industry has started to catch up with the downward trend, it has partially adjusted itself to the reduced volume of business. . . . its finances have been made as liquid as possible. . . . its overhead has been pared down to the bone. . . . efficiency is the keynote of the day."

"Go to work. . . . work harder than you have ever worked in your life. . . . the average man is not doing this, and, therefore, your results will be above the average."

The city council of Berkeley, Calif., is urged by Otis R. Marston, manager of the estate of his father, the late Captain W. M. Marston, pioneer financier and shipping man, to call a conference of landlords to discuss means of extending relief to unemployed tenants of their properties.

Marston's letter, filed with the City Clerk, suggested that unemployed tenants unable to pay their rents be permitted to occupy their homes until able to pay. He also urged that various interested agencies be called into the conference to formulate a plan "whereby this very serious unemployment problem can be controlled through a community of effort."

The council indicated that Marston's suggestion would be considered at its next meeting on Tuesday. Marston rents some 50 homes in the North Berkeley section.

A giant air-marking sign on the roof of the new million dollar tank shop at the Pittsfield Works of the General Electric Company helps direct aviators and makes Pittsfield, Mass., one of the most clearly air-marked cities in New England. The huge sign covering an area 500 feet in length and 150 feet in width required 75 gallons of aluminum paint applied in two coats. The letters comprising the words "Pittsfield, Mass." are 31½ feet high with shafts eight feet wide. The arrow showing the compass direction, north, indicated by the letter "N," is 137 feet long. The circle at the west end is 77 feet at its outside diameter. The sign reads correctly when approached from the north. It is estimated that the sign would be plainly visible to an aviator flying at an altitude of 20,000 feet or nearly five miles, weather conditions being favorable.

The city council of Seattle, Wash., has voted to place a \$1,000,000 item in the 1932 city budget to help provide jobs for the unemployed. The decision was reached at a conference on the unemployment situation called by Mayor Robert H. Harlin and attended by members of the Board of Public Works.

Engineering News Section

BRIDGES

SAN RAFAEL, Marin Co., Calif.—Whited and Whited, 916 Wright Street Santa Rosa, at \$2,974.18 awarded contract by county supervisors to construct two reinforced concrete bridges on the Fallon—Two Rock Road, at Huntley Lane and the Bassett Ranch in Road District No. 4, involving:

- (1) 134 cu. yds. class A Portland cement concrete in place;
- (2) 16,500 pounds reinforcing steel in place.

Complete list of unit and total bids follows:

- Whited & Whited, Santa Rosa, (1) \$17.27 (2) \$.04 \$2,974.18.
W. L. Proctor, Santa Rosa, (1) \$17.49 (2) \$.0425 \$3,044.91.
Otis H. Smith (1) \$18.50 (2) \$.045 \$3,221.50.
John Carcano, San Rafael (1) \$18.60 (2) \$.045 \$3,234.90.
C. F. Harless, San Rafael (1) \$18.85 (2) \$.05 \$3,250.90.
Louis Cambretti, Mill Valley (1) \$19.60 (2) \$.0425 \$3,327.65.
Albert Helwig, Sebastopol (1) \$20.90 (2) \$.04 \$3,460.
J. P. Lawlor, San Francisco (1) \$20.75 (2) \$.045 \$3,523.

SAN JOSE, Santa Clara Co., Cal.—Until September 12, 12 noon, (time extended from September 10, as previously reported), bids will be received by Engineering Department, Southern Pacific Railroad, 65 Market St., San Francisco, to construct the Alameda Subway; estimated cost \$125,000; concrete and steel construction. The Alameda structure will be twice as wide as the Park Avenue Subway, 62 ft. from curb to curb, with sidewalks on each side. The entire structure will be 566 ft. long. Plans for this work obtainable from W. H. Kirkbride, engineer of maintenance and way for the Southern Pacific Co., 65 Market St., San Francisco.

SANTA ROSA, Sonoma Co., Calif.—Due to the failure of the county supervisors to specify the rate of wages to be paid in connection with the projects, two bid calls to construct two timber bridges and one reinforced concrete box culvert, scheduled for opening August 31, were cancelled. New bids will be asked.

REDDING, Shasta Co., Cal.—S. Severson, Pacheco Valley, Calif., at \$3200 awarded contract by county supervisors to repair central span of the bridge over the Sacramento river at Kennett. Other bids: R. B. McKenzie, Red Bluff, \$3300; Rolla Arbuckle, Anderson, \$3500; J. W. H. Alterman, Wilows, \$4404.

SANTA ANA, Orange Co., Cal.—Until 11 A. M., Sept. 15, bids will be received by county supervisors to construct bridge over Santiago Canyon near Silverado Canyon in the Fourth Road District. Bids will be taken as follows:

- (1) Bridge complete:
(Alt.) using an additional 10 cu. yds. concrete A.
- The work involves quantities as follows:
618 cu. yds. class A concrete (piers and deck);
56,400 lbs. reinf. steel;
Structures and steel floor beams, a

total of 76 tons, will be furnished by the county;

- 1700 lbs. structural shapes:
Stripping and repainting.
- Cash contract. Plans obtainable from Nat H. Neff, county road commissioner, on deposit of \$10. Certified check or bond, 5%.

LOS ANGELES, Cal.—W. D. Armstrong, chief county bridge engineer, completes plans for bridge to be built across the entrance to Alamitos Bay, in connection with the county flood control project known as the Alamitos Bay Outlet Project. This bridge will serve both vehicular and pedestrian traffic, and the Pacific Electric Ry. The structure will be a wood pile trestle, 466 ft. long, with steel girders carrying the railroad tracks. The bridge will be 40 ft. between curbs, with a 5-ft. walk on each side. The work will require about 250 50-foot treated piling. The roadway will be paved with asphaltic concrete. The bridge will connect Ocean Blvd. in Long Beach with the channel in Seal Beach. The water depth at this point of the channel is 14 ft. from the bed to high tide line, or about 8.5 ft. from mean lower low water to the high tide line.

OAKLAND, Cal.—Until Sept. 15, 10:30 A. M., bids will be received by George E. Gross, County Clerk, to construct box culvert on the Alvarado-Centerville Road, involving:

- (1) 80 cu. yds. excavation;
- (2) 200 yds. rock borrow;
- (3) 200 yds. concrete;
- (4) 39,000 lbs. reinf. steel;
- (5) removing existing bridge, constructing detour, etc. Lump sum.

Estimate cost, \$7000. Plans obtainable from Geo. A. Posey, county surveyor.

SAN FRANCISCO—Bids will be asked shortly by the State Department of Public Works, Division of Highways, for borings in connection with the foundations for the proposed San Francisco Bay bridge. The work will involve an expenditure of between \$100,000 and \$150,000. Boring operations will be carried on at the pier sites both between San Francisco and Yerba Buena Island and in the East Bridge area between the island and the Alameda county store. C. H. Purcell is state highway engineer.

STOCKTON, San Joaquin Co., Cal.—Rights of way are being purchased by the county in connection with the new Garwood Ferry drawbridge over the San Joaquin River.

STOCKTON, San Joaquin Co., Cal.—Bids will be asked at once by county supervisors, to be opened about Sept. 21 to construct concrete and timber bridge over the North Calaveras river on the Prather Road. Plans obtainable from County Surveyor Julius Manthey.

DREDGING, HARBOR WORKS & EXCAVATIONS

SAN DIEGO, Cal.—Until 11 A. M., Sept. 11, bids will be received by Public Works Officer, 11th Naval District, San Diego, for fill behind new wall at Marine Railway, Naval Operating Base (Destroyer Base), San Diego. Spec-

fications No. 6651. The work will consist of the excavation of 2200 cubic yards, more or less, from area indicated on outboard side of quay wall, and the disposal and grading of the excavated material back of the new quay wall north of the Marine Railway as indicated or otherwise directed, to bring the ground to the finished elevation of the top of the new existing quay wall. Plans obtainable from Public Works Officer, Headquarters, 11th Naval District, foot of Broadway, San Diego on deposit of \$10 payable to the Chief of the Bureau of Yards and Docks.

OAKLAND, Cal.—See "Wharves and Docks," this issue. Contract awarded to Duncanson-Harrelson Co., deYoung Bldg., San Francisco, at approximately \$100,000 to construct timber wharf, 424 by 30 ft., for El Dorado Terminal Co. Approximately 50,000 cu. yds. dredging involved. Frank G. White, engineer, Ferry Bldg., San Francisco.

PORTLAND, Ore.—Columbia Contracting Co., 294 E. Salmon St., Portland, at \$1,204,606.19 submitted low bid to the U. S. Engineer Office, Portland, for repair work on the jetty at the mouth of the Columbia river. Guy F. Atkinson Co., San Francisco, second low at \$1,370,036 and Northwest Roads Co., Portland, third low at \$1,400,000.

The proposals were submitted on 3 schedules with a possible 4th, which was not used. Schedule A consisted of the construction of the inner or main tramway; schedule B consisted of the construction of the outer tramway and the placing of the stone; and schedule C is a combination of the work involved in schedules A and B.

Other bidders on the project were: F. J. Kernan of Portland, with \$1,671,685 for schedule C; the Oregon Bridge & Dredge company of Portland, \$1,539,284 on schedules A and B; Lindstrom & Feigenson, Portland, \$1,553,923 on schedules A and B; Carl B. 923 on schedules A and B; \$1,991,140 on schedule C; A. Guthrie & Co., of Portland, schedule C, \$1,457,883; Hart Const. Co., of Tillamook, schedule A, \$244,218; Gilpin Const. Co., Portland, schedules A and B, \$1,452,615, and the Parker-Schram Co. and T. E. Connelly on schedule C for \$1,488,852.05.

The engineer's estimates on the various schedules is as follows: Schedule A, \$142,082; schedule B, \$1,451,632, and schedule C, \$1,556,227.

STREET LIGHTING SYSTEMS

SACRAMENTO, Cal.—Petitions are being circulated for presentation to the city council seeking the installation of an electrolux system with underground system in I St. between Sixteenth St. and Allambra Blvd. The type of standard proposed has already received the approval of the city engineering department. Fred J. Klaus is city engineer.

LOS ANGELES, Cal.—Until 10 A. M., Sept. 16, bids will be received by Board of public works to install ornamental lighting system in Grand Blvd. bet. Venice Blvd. and Kinney Plaza, under 1911 act, involving Halux concrete posts.

MACHINERY AND EQUIPMENT

OKLAND, Cal.—Kratz & McClelland, Inc., 522 Bryant St., San Francisco, at \$1,637 submitted low bid to City Council to furnish and deliver one 4-wheel, disc-type road planer. Following is a complete list of bids:

Kratz & McClelland, S. F.	\$1,637
Edw. R. Bacon Co., S. F.	1,725
Robinson Tractor Co., Oakland	1,881
	(a) 1,822
	(b) 1,656

Bids taken under advisement.

SAN FRANCISCO.—Until September 14, 3 p. m., under Proposal No. 531, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish 10 electric welding motor generator sets and accessories for the School Department. Specifications and further information obtainable from above office.

OKLAND, Cal.—Until Sept. 10, 8 P. M., under Proposal No. 347, bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, 512 16th St., to furnish one 1½-ton Dodge truck chassis, or equal.

ANAHEIM, Orange Co., Cal.—Until 4 P. M., September 10, (to be opened at 8 P. M.), bids will be received by Anaheim Union High School District for one 1½-ton truck chassis with four-wheel mechanical brakes. E. E. Smith, clerk.

BERKELEY, Alameda Co., Calif.—Until September 21, 8 P. M., new bids will be received by Clara F. Andrews, secretary, Board of Education, 2325 Millvale Street, to furnish and deliver one used Engine Lathe and Shaper, complete, for the Berkeley School District. Previous bids rejected. Further information obtainable from the clerk.

RAILROADS

BOULDER CITY, Nevada—Shannahan Bros., San Fernando Bldg., Los Angeles, awarded contract by Six Companies, Inc., Las Vegas, Nev., for constructing approximately 16 miles of track laying and related work on the railroad being built as an auxiliary to the construction of the Hoover Dam.

FIRE ALARM SYSTEMS

BERKELEY, Alameda Co., Cal.—Garnwell Co., 939 Larkin St., San Francisco, submitted only bid at \$352.50 to city council for furnishing two circuit puncturing type fire alarm registers to be delivered f. o. b. fire alarm room basement, City Hall. Bids held under advisement.

FIRE EQUIPMENT

PLACERVILLE, El Dorado Co., Calif.—Until September 11, bids will be received by the city council to furnish a combination firetruck and pumper for the Volunteer Fire Department. Bidders are to furnish their own specifications. Further information obtainable from city clerk.

RESERVOIRS AND DAMS

SAN DIEGO, Calif.—H. N. Savage, city hydraulic engineer, authorized by city council to prepare plans for an earth and rock fill dam at the El Capitán dam site. Plans were also ordered for an extension of the El Capitán pipe line from Lakeside to the site. The council's resolution authorized a dam not less than 197 ft. in height, of a capacity to provide not less than 11.6

million gallons daily delivered to the University Heights Reservoir, and to cost about \$500,000. The supply from the El Capitán pipe line, between five and seven million gallons a day, will be used while the dam is being constructed. T. E. Cosgrove, consulting city attorney, has been asked by the council to clear up all legal difficulties as soon as possible.

PANAMA CANAL ZONE (Special Correspondence from Washington, D. C.)—W. E. Callahan Construction Co., St. Louis, Mo., and Peterson, Shiley & Gunther, Omaha, Neb., at \$4,047,407 submitted the lowest bid to the Panama Canal Commission September 1 for the construction of the Madden Dam, power plant and appurtenant works, Madden Dam Project, Canal Zone. The work is located near the village of Alhajuela on the upper Chagres river in the Panama Canal Zone.

Arundel Corp., Baltimore Md., at \$4,587,550 submitted second low bid. Winston Bros. of Minneapolis, Minn., and Bent Bros., Los Angeles, at \$4,651,683 third low bidders.

The project involves:

- 655,000 cu. yds. excav., all classes;
- 646,000 cu. yds. earth and rock fills in embankments;
- 518,000 cu. yds. concrete;
- 38,000 cu. ft. of grout;
- 35,000 lin. ft. drilling grout holes;
- 3,800,000 lbs. bars (rein.);
- 719,000 lbs. small metal pipe and fittings, installing;
- 705,000 lbs. large metal conduits, installing;
- 1,487,000 lbs. structural steel, installing;
- 6,700,000 lbs. gates, hoists and other metal work, installing.

PIPE LINES, WELLS, ETC.

ALAMEDA, Alameda Co., Cal.—Until September 10, bids will be received by the Constructing Quartermaster, Benton Field Air Depot, 33 Pacific Avenue, for drilling and testing a 12-inch well for the purpose of supplying water at Benton Field. Specifications obtainable from above office.

SACRAMENTO, Cal.—Travelers Hotel, 5th and J Sts., authorized by city council to sink well in sidewalk area on hotel frontage.

SEWERS AND SEWAGE DISPOSAL PLANTS

LONG BEACH, Cal.—Until 2 P. M., October 2, bids will be received by the Long Beach City Council for the construction of the North Long Beach sewer system, known as Pump Sewer Dist. No. 11. Proceedings for this work are under the 1911 Act. The district embraces all of North Long Beach north of the Virginia Country Club. According to the engineer's estimate the system will involve about 214,716 lin. ft. of sewer with necessary structures and pumping stations. The items are:

- 217,912 ft. 8-in. vit. clay sewer;
- 17,590 ft. 12-in. vit. clay sewer;
- 2615 ft. 15-in. vit. clay sewer;
- 1345 ft. 18-in. vit. clay sewer;
- 2745 ft. 21-in. vit. clay sewer;
- 4481 ft. 24-in. vit. clay sewer;
- 3266 ft. 27-in. vit. clay sewer;
- 2512 ft. 30-in. vit. clay sewer;
- 295 ft. 33-in. vit. clay sewer;
- 4184 ft. 24-in. centrifugally spun R. C. P.;
- 2580 ft. type B conc. backfill for 8-in. pipe;
- 16 ft. type A concr. backfill for 8-in. pipe;
- 60 ft. type A concr. backfill for 10-in. pipe;
- 87 ft. type A concr. backfill for 12-in. pipe;

6000 tons rock or gravel for sub-base; 1088 type A standard manholes; 15 type C standard manholes; 39 type D standard manholes; 8 type B standard manholes; one spillway junction chamber; 82 standard lampoles; 95,585 ft. 6-in. vit. connecting sewer; One pumping station, including two 6-in. and one 8-in. pump, the total requirements being 600 G. P. M. H. Paterson is city engineer.

WESTMORELAND, Imperial Co., Calif.—New bids for the construction of the lateral sewer system in the Westmoreland Sanitary District will be taken about Oct. 1. No bids were received Aug. 26 as there were no bidders for the bonds at a satisfactory price. The work proposed involves approximate quantities as follows:

- (1) 17,000 ft. 8-in. sewer;
- (2) 3000 ft. 10-in. vitrified sewer;
- (3) 3000 ft. 12-in. vitrified sewer;
- (4) 51 manholes;
- (5) 6 flush tanks.

Plans prepared by Currie Engineering Co., Anderson Bldg., San Bernardino.

OKLAND, Cal.—Bids will be asked shortly by county supervisors, George E. Gross, County Clerk, to construct a storm sewer in E-Fourteenth St. near 59th Ave. George A. Posey, County Surveyor.

OKLAND, Cal.—Until September 15, 10:30 A. M., bids will be received by George E. Gross, County Clerk, to construct concrete box storm sewer on Hayward, M. Eden Road, involving:

- (1) 1200 cu. yds. excavation;
- (2) 400 cu. yds. rock borrow;
- (3) 900 cu. yds. concrete;
- (4) 166,000 lbs. reinf. steel;
- (5) 7 catchbasins;
- (6) removing of existing bridges, etc., lump sum.

Estimated cost, \$24,000. Plans obtainable from George A. Posey, county surveyor.

FORT SHAFTER, T. H.—Bids scheduled to be opened August 25 by the Department Quartermaster, Fort Shafter, to construct a sewage pumping plant and for repairs, additions and extensions to the sewage system at Fort Shafter, were returned to the bidders unopened. Construction has been postponed indefinitely.

MISCELLANEOUS CONSTRUCTION

SAN JOSE, Santa Clara Co., Cal.—Until September 10, bids will be received by the Engineering Department, Southern Pacific Railroad, 65 Market St., San Francisco, to construct the Alameda Subway; estimated cost \$160,000. The Alameda structure will be twice as wide as the Park Avenue Subway, 62 ft. from curb to curb, with sidewalks on each side. The entire structure will be 566 ft. long. Plans for this work obtainable from W. H. Kirkbride, engineer of maintenance and way for the Southern Pacific Co., 65 Market St., San Francisco.

WATER WORKS

SAN FRANCISCO.—Enterprise Foundry Co., 2902 19th St., at \$4,048 per pound submitted only bid to Leonard S. Leavy, city purchasing agent, to furnish and deliver cast iron pipe fittings as same may be ordered from time to time by the San Francisco Water Department during the fiscal year 1931-32. Contract will involve approximately 200,000 pounds.

OAKLAND, Alameda Co., Cal.—C. W. Marwedel, 76 1st St., San Francisco, at \$5835 submitted low bid to East Bay Municipal Utility District to furnish approximately 50,000 ft. 2-in. seamless copper tubing. Following is complete list of bids:
C. W. Marwedel, S. F......\$5835
Crane Co., San Francisco.....5840
Tray-Holbrook, S. F......5865
American Brass Co., S. F......5890
Oakland Plumbing Shop, Oakland.....5995
Grinnell Co., San Francisco.....5990
Ducommun Corp., San Francisco.....6142
Utilities Equipment Corp., S. F......6210
Muelier Co., San Francisco.....6465
T. A. Springer.....6480
Chase Brass & Copper Co., S. F......6825
Bids held under advisement.

LAFAYETTE, Contra Costa Co., Cal.—Election will be held September 12 in the newly created Lafayette Water District to vote bonds of \$100,000 to finance construction of a distributing system to be served by the East Bay Municipal Utility District. The water district covers an area of between 7000 and 8000 acres. Directors of the district are: George Meredith, M. M. Garrett, L. H. Rhodebaugh, Dr. A. R. Powell and J. C. Hill.

BEVERLY HILLS, Los Angeles Co., Cal.—Pacific Pump Works, Ltd., was awarded contract by city council at \$1832 for furnishing one booster pump for the water department. T. G. Lewis, Santa Monica, awarded contract for valves at \$990.

LOS ANGELES, Calif.—Until 11 A. M., Sept. 10, bids will be received by city purchasing agent, Thomas Oughton, for furnishing gate valves under Spec. No. 2599 for department of water and power. The items are:
(1) 200 12-in. hub end gate valves;
(2) 50 12-in. screw end gate valves.

PLACERVILLE, El Dorado Co., Calif.—City Council has ordered replacement of 1600-feet of wooden 5-inch water main in Broadway with 6-inch cast iron pipe. The line will extend from the Woods residence to the Christian home in Upper Placerville.

FORT SHAFTER, T. H.—Bids scheduled to be opened August 25 by the Department Quartermaster, Fort Shafter, to construct a sewage pumping plant and for repairs, additions and extensions to the sewage system at Fort Shafter, were returned to the bidders unopened. Construction has been postponed indefinitely.

PLAYGROUNDS & PARKS

OAKLAND, Cal.—Bids will be asked shortly by the Oakland Board of Education for landscape gardening at the Fremont High School located at 48th Ave. and Foothill Blvd., Oakland.

STREETS AND HIGHWAYS

SANTA CLARA, Santa Clara Co., Cal.—As noted in our issue of August 28, bids on three street paving projects will be considered by the city council on Sept. 8. Prevailing wage rates specified on these projects follow:

Roller engineer, per day	\$9.00
Tractor operator, 30 to 50-hp.	7.00
Cement finishers	9.00
Common laborers	4.00

Double payment for holidays and overtime.

SACRAMENTO, Cal.—Until Sept. 17, 5 P. M. (to be opened 8 P. M.) bids will be received by H. G. Denton, city clerk (2809) to improve alley between T. 4th and 5th Sts., involving c. 4, gutter drains with sewer connections;

vit. ironstone pipe sewers; reconstruct manhole; install 1-in. water main connections; grading; hyd. conc. pavement; concrete curb. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Fred J. Klaus, city engineer.

EUREKA, Humboldt Co., Cal.—Pollard Kemp, Eureka, at \$1,295 cu. yd. or (\$1,680) awarded contract by county supervisors to furnish 1500, or more, cubic yards of crushed rock on the Kneeland road in Road District No. 4. Complete list of bids follows:
Pollard Kemp.....\$1,295
J. C. Kjar.....1,355
W. C. Selvaage.....2,10
H. C. Anderson.....2,15
Smith Bros......2,20

SANTA ROSA, Sonoma Co., Cal.—Proceedings will be started at once for the formation of a joint highway district in Sonoma, Marin, Mendocino, and possibly San Francisco counties, to finance reconstruction of a new highway from Cotati to Guerneville via Sebastopol, eliminating curves and grades on the route and the construction of a new Healdsburg to Jenner route, via Guerneville and Hilton. The district will raise \$300,000 towards construction to be matched by \$150,000 from the State Highway Commission. The district fund will be raised by the counties in the group from the gasoline tax money, and not by direct taxation.

MILL VALLEY, Marin Co., Calif.—Town trustees declare intention (812) to improve Sycamore Ave., involving:
(1) 130 cu. yds. of excavation;
(2) 175 cu. yds. crushed rock base;
(3) 1954 lin. ft. hyd. conc. curb;
(4) 40,420 sq. ft. hyd. conc. pave;
(5) 564 sq. ft. oil macadam do;
(6) 44 lin. ft. 6-in. vit. san. sewer.
(7) 529 lin. ft. 4-in. do;
(8) 199 lin. ft. 7-in. x 24-in. corr. metal and conc. arch culvert;
(9) 3 manholes;
(10) 4 handholes;
(11) 8610 sq. ft. hyd. conc. sidewalk.
1911 Act. Bond Act 1915. Hearing Sept. 2. Will Falley, town clerk.

REDDING, Shasta Co., Cal.—County supervisors take under advisement following bids for clearing right of way on Shingletown-Viola Road, involving approximately 41 acres:
R. B. McKenzie, Red Bluff, \$350 an acre, provided not less than two of the three sections be awarded him.
J. Ely, Oroville, \$350 an acre.
R. L. Fillmore and Leo Graham, \$2,297 for project complete, or \$12.10 for each station of 100 ft.
James E. Carney, \$5,150 for work complete.

POMONA, Los Angeles Co., Calif.—Until 12 m., Sept. 15, bids will be received by city council to improve Fulton Road, between Engineer's Station 0 plus 60.05 and Sta. 48 plus 34.40 (partly in Pomona and partly in La Verne), and a portion of Cucamonga Ave., under the 1911 Act, involving:
(1) 8864 lin. ft. 24-in. cem. conc. curb;
(2) 193,351 sq. ft. 6-in. conc. pavement (plain).

The city will contribute \$20,000 in cash. E. C. Froehde, city engineer, H. A. Leigh, city clerk. The date was originally set for Sept. 8 but has been changed to Sept. 15 as shown above.

LONG BEACH, Calif.—H. Paterson, city engineer, has announced the approximate quantities of paving for improvement projects which will probably be bid on during October. Four of the larger projects are:
Loma Ave., from Ocean Ave. to Anaheim St.; 235,708 sq. ft. 6-in.-con-

crete pavement with 3-in. D. G. sub-base.

Washington Place, bet. Ninth St. and Tenth St.; 10,854 sq. ft. 6-in. concrete pavement.

Fourth St. bet. Third St. and Golden Ave.; 29,630 sq. ft. 6-in. asphalt paving.

Ontario Ave., bet. Ocean Blvd. and Seaside Blvd.; 18,681 sq. ft. 5-in. asphalt paving.

SAN BERNARDINO COUNTY, Cal.—Until Sept. 15, 2 P. M., bids will be received by U. S. Bureau of Public Roads, 461 Market St., San Francisco, for 1,156 miles of highway grading and structures on Section B, Route 68, Mill Creek National Forest Highway in the San Bernardino National Forest. Project involves:

- (1) 10.5 acres clearing;
- (2) 82,000 cu. yds. excav. unclass.;
- (3) 125 cu. yds. excav. unclass. for structures;
- (4) 36,000 sta. yds. overhaul;
- (5) 1156 miles finish earth graded rd.;
- (6) 20 cu yds. concrete;
- (7) 1000 ft. corr. metal pipe;
- (8) 400 lbs. reinf. steel.

Plans obtainable from above office on deposit of \$10, returnable, checks for same to be made payable to the Federal Reserve Bank of San Francisco.

BERKELEY, Alameda Co., Cal.—Until Sept. 10, 11 A. M., bids will be received by the Regents of the University of California, Berkeley, for general construction of a concrete bridge and pavement in connection with Eshleman Hall, Berkeley. Deposit of \$50 required for plans.

COCONINO COUNTY, Ariz.—Until September 15, 10 A. M., bids will be received by C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, Office of the Superintendent, Grand Canyon, Ariz., to furnish labor and materials, except asphaltic oil to be furnished by Government, for placing seal coat on existing oil treated crushed rock surfacing on a portion of Section A, South Approach to Grand Canyon National Park, 11.25 miles in length, involving:
(1) 130 tons apply asphaltic oil;
(2) 900 cu. yds. screenings for seal coat.

Specifications obtainable from above office on deposit of \$10, returnable, checks for same to be made payable to the Federal Reserve Bank of San Francisco.

OAKLAND, Cal.—Union Oil Co., Shell Co., American Bitumuls Co., all of San Francisco, at \$750 submitted identical bids to East Bay Municipal Utility District to furnish 100,000 gallons of emulsified asphalt. Allied Industries, Inc., San Francisco, bid \$16,000. Bids taken under advisement.

HUMBOLDT COUNTY, Calif.—Until September 16, 2 P. M., bids will be received by State Highway Commission to surface with untreated crushed gravel or stone, 8.9 miles in Humboldt County between Redwood Creek and Willow Creek. The attention of bidders is called to the official proposal published on page seven of this issue citing the prevailing rate of wages per diem to be paid on this project. Work involves:

- (1) 18,050 cu. yds. untreated crushed gravel or stone surfacing;
- (2) 2,000 M. gallons water applied to subgrade and surfacing;
- (3) 469 sta. finishing shoulders.

OAKLAND, Alameda Co., Cal.—Bids are being received by W. Eckert, 1410 Central Bank Bldg., Oakland, to crush 14,000 cu. yds. creek run rock. Further information available from above.

SANTA CLARA, Santa Clara Co., Cal.—Until Sept. 8, bids will be received by A. J. Cronin, city clerk, (27-D) to improve Franklin St. bet. Lincoln and Grant Sts., involving:
(1) 350 tons asph. conc. leveling course
(2) 1,450 tons asph. conc. surface.
1911 Act. Bond Act 1915. Specifications obtainable from George L. Sullivan, city engineer.

SAN LUIS OBISPO COUNTY, Cal.—State Highway Commission rejects bids for oiling shoulders between Paso Robles and Estrella and the work will be done by state forces.

LAS VEGAS, Nevada—C. C. Boyer, division highway engineer, Nevada Highway Department, has announced that specifications for the improvement of the highway from the lower Virgin River bridge to Bunkerville are being prepared and that bids will be asked in October. The section of highway to be improved is 12 miles. The work will include re-alignment, reducing the curves from 100 to two.

SISKIYOU COUNTY, Calif.—Interstate Const. Co., Portland, Oregon, at \$95,006 submitted low bid to U. S. Bureau of Public Roads August 27 to grade Section C of Route 77, Mt. Shasta-Mt. Lassen National Forest Highway in Shasta National Forest, 12,450 miles in length. See complete list of unit and total bids on this project in separate tabulation on page five of this issue.

OKAULDE, Stanislaus Co., Cal.—Until September 21, 8 p. m., bids will be received by C. E. Wood, city clerk, (8-F) to improve portions of F Street, involving:

- (1) 12,500 sq. ft. grading subgrades;
- (2) 59,000 cu. yd. Portland cem. conc. pave., 9x6x8 in. section;
- (3) 51,600 sq. ft. Portland cem. conc. pave., 8-in. x 5-in. curb and 8-in. x 5-in. section;
- (4) 56,900 sq. asph. conc. pavement 3½-in. minimum thickness over existing pavement;
- (5) 8,950 sq. ft. asph. conc. pavement 9x7x9-in. section;
- (6) 12,300 sq. ft. asph. conc. pavement 3½x½-in. section (resurface and grade trans-section);
- (7) 5,370 lin. ft. Portland cement concrete integral curb;
- (8) 30,900 lbs. steel bar reinf.;
- (9) 20 lin. ft. 8x36 in. corr. metal and Portland cement concrete part circle culverts;
- (10) 70 lin. ft. 8x24 in. do
- (7) existing manholes, raise casting to grade;
- (12) 3 monuments.

1911 Act. Bond Act 1915. City will pay \$15,000 of the total cost from the Treasury. Certified check 10% required with bid. Deposit of \$10 required for plans on file in office of city clerk and obtainable from the engineers, Hussey and Belcher, Syndicate Bldg., Oakland.

SANTA BARBARA, Calif.—Until 10 A. M., Sept. 8, bids will be received by county supervisors for resurfacing portion of the Santa Maria-Guadalupe Highway in the Fifth Road District. Plans obtainable from County Surveyor or Owen H. O'Neil, on deposit of \$10. Certified check, 10%. Bids will be taken for each section as a unit, and for total of Sections 1, 2, 3 and 4 separately.

REDDING, Shasta Co., Cal.—Until Sept. 14, 10 A. M., new bids will be received by Errol A. Yank, county clerk, for clearing and grubbing a highway at Viola, known as the Shingletown-Mt. Lassen Approach road. Area is divided into three sections. Previous bids, reported in our issue of August 31, rejected, as they were not

submitted on a unit basis. Certified check 10% payable to county required with bid. Plans on file in office of the clerk.

MILL VALLEY, Marin Co., Calif.—Town trustees declare intention (\$21) to improve Thalla St., Euterpe St. and Manor Terrace and portion of Sidney St., involving:

- (1) 3740 cu. yds. excavation;
- (2) 2150 lin. ft. hyd. conc. curb, 6x12 in.;
- (3) 295 lin. ft. do; 6x9 in.
- (4) 52,950 sq. ft. hyd. conc. curb pave. 7x5x7 in.;
- (5) 1182 lin. ft. 6-in. vit. pipe sewer;
- (6) 293 lin. ft. 4-in. do;
- (7) 58 lin. ft. 12-in. storm sewer;
- (8) 3 manholes;
- (9) 7 lampholes;
- (10) 2 conduit inlets;
- (11) 47 cu. yds. hyd. conc. retaining wall;
- (12) 1250 lbs. steel bar reinforcement;
- (13) 170 lin. ft. woven wire guard fence.

Estimated cost \$16,800. 1911 Act. Bond Act 1915. Hearing September 16. Will Walley, town clerk. Hussey and Belcher, engineers, Syndicate Bldg., Oakland.

MARIPOSA COUNTY, Calif.—Until Sept. 22, 2 P. M., bids will be received by U. S. Bureau of Public Roads, 461 Market St., for grading and structures on 8,947-miles of Section A-1, Route 5, Yosemite National Park, involving:

- (1) 58 acres clearing;
- (2) 333,000 cu. yds. excavation;
- (3) 545 cu. yds. struc. excavation;
- (4) 122,000 sta. yds. overhaul;
- (5) 8,947 miles finished graded road;
- (6) 4,764 lin. ft. corr. metal pipe;
- (7) 15 cu. yds. foundation fill;
- (8) 100 cu. yds. "A" concrete;
- (9) 1,000 lbs. reinf. steel;
- (10) 120 cu. yds. masonry;
- (11) 237 cu. yds. hand-laid rock embankment;
- (12) 3,000 cu. yds. mtl. hauling material.

Plans obtainable from C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, 461 Market Street, San Francisco.

SANTA ANA, Orange Co., Cal.—Until 11 A. M., Sept. 15, bids will be received by County Supervisors to improve Carbon Canyon Road, bet. Olinda and La Vida Hot Springs, 2.3 miles, in the Third Road District, involving:

- (1) 182,550 cu. yds. excav. unclass;
- (2) 426 ft. 15-in. corr. metal pipe;
- (3) 166 ft. 18-in. corr. metal pipe;
- (4) 522 ft. 24-in. corr. metal pipe;
- (5) 230 ft. 30-in. corr. metal pipe;
- (6) 186 cu. yds. concrete (class A) headwalls and curbs;
- (7) 5,370 lbs. reinf. steel.

Cash contract. Plans obtainable from Nat. H. Neff, County Road Commissioner, on deposit of \$10. Certified check or bond, 5%.

BERKELEY, Alameda Co., Calif.—Ariss-Knapp Co., 961 41st St., Oakland, at \$2,100 submitted low bid to Board of Education for grading and paving a portion of the upper playground and grading the sidewalk area along the south side of Hopkins St. at the Garfield School grounds, located in the block bounded by Rose, Grant, Josephine and Hopkins Streets. Following is a complete list of bids:

Ariss-Knapp Co., Oakland.....	\$2,100
Lee J. Immel, Berkeley.....	2,250
Heafey-Moore Co., Oakland.....	2,265
H. A. Christie, Oakland.....	2,515
W. H. Larson, Berkeley.....	2,647

Bids held under advisement.

SUNNYVALE, Santa Clara Co., Cal.—Thermotite Construction Co., 530 Stockton Ave., San Jose, at \$5516.30

awarded contract by city council to improve streets under Res. of Intention No. 355 involving:

- (1) 48,800 sq. ft. of sidewalks;
- (2) 440 lin. ft. curb;

Total bids follow:

(A) Thermotite Constr. Co., San Jose \$8516.30.
(B) O. G. Ritchie, San Jose, \$8547.70.
(C) S. McGaw, Stockton, \$9936.50.
(D) W. A. Dontanville, Salinas, \$11,221.50.

Unit bids as follows:

	(A)	(B)	(C)	(D)
(1)	\$.169	\$.171	\$.195	\$.225
(2) ....	.55	.58	1.00	.60

NYE AND ESMERALDA COUNTIES, Nev.—Until October 21, bids will be received by S. C. Durkee, State Highway Engineer, Carson City, to improve 31.96 miles between Beatty and Goldfield involving grading, construct structures and placing surfacing material. Certified check 5% required with bid. Plans obtainable from engineer on deposit of \$15, of which \$10 is returnable. Plans also on file in office of U. S. Bureau of Public Roads, 461 Market St., San Francisco.

The Associated General Contractors of America has arranged with the division of simplified practice of the National Bureau of Standards to supply each of its members with pertinent material on simplified practice recommendations, according to Alexander B. Galt, acting chief of that division.

The A. G. C. has been active in supporting simplification, and has officially recorded its acceptance of 24 simplified practice recommendations. In a recent letter, E. J. Harding, Managing Director, pointed out that acceptance and adherence to these recommendations would go far toward the elimination of much waste in production, and would result in a saving to the consuming public.

Time is an essential factor in all construction enterprises. In order to keep his costs down, the contractor must be able to count on quick deliveries from spot stocks of building materials. Simplified lines enable the building material dealer to render such service without increasing his inventories. The benefits of simplification may be measured in direct savings, not only to the contractor and the dealer, but to everyone else concerned in a construction enterprise, including the final owner.

Each member of the Associated General Contractors of America is being supplied with a complete list of simplified practice recommendations which are mimeographed form without cost. A supplemental list shows the recommendations covering commodities in which the contractors are only indirectly interested. Established for consumers or users of commodities simplified, this service has proved both popular and effective. Several other associations, representing users of simplified commodities, have already taken advantage of it. Among these are the American Institute of Architects, the National Association of Purchasing Agents, the American Railway Association, the National Electric Light Association, the American Gas Association, the American Electric Railway Association and the American Water Works Association.

Mr. Galt stated that this same service will be extended to other associations upon request.

The Ford tractor plant at Cork, Ireland, recently announced that it had been forced to make a downward revision of salaries because of lack of tractor orders.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
1265	Simons	Owner	3500
1266	Janssen	Owner	4000
1267	Brodevich	Owner	3000
1268	Delahay	Britt	2500
1269	Janssen	Owner	4000
1270	McGowan	Meinberger	18000
1271	Ward	Cuthbertson	9500
1272	Alice	Bobbio	5500
1273	Horgan	Owner	4000
1274	Leask	Owner	4000
1275	Tresly	Owner	3000
1276	Bankers	Barrett	2000
1277	Timossi	Risdon	4000
1278	Shannon	Owner	3300
1279	Excelsior	Brumfield	2985
1280	Navarett	Neugebauer	5000
1281	Laggioni	Owner	3500
1282	Nelson	Owner	3500
1283	Morris	Owner	3000
1284	Good Shepherd	Bryant	162000
1285	Bertich	Frank	2000
1286	Moneriff	Owner	3200
1287	Meyer	Owner	4000
1288	Goldsmith	Schultz	3000
1289	Oser	Schultz	4000
1290	Herzig	Owner	6000
1291	S F Home	Owner	12000
1292	Jorgensen	Schultz	4000
1293	Shenson	Cavallo	9000
1294	Odd Fellows	Owner	2000
1295	Reeng	Coburn	2000
1296	Meyer	Owner	4000
1297	Stanley	Owner	8000
1298	Jurgenson	Schultz	7500
1299	Vukicevich	Owner	7000
1300	Damico	Owner	4000
1301	Leary	Sanchez	3000
1302	Sullivan	Owner	36000
1303	Janssen	Owner	4000
1304	Levy	Owner	1000
1305	Dall	Owner	3500
1306	Michetti	Morris	5000
1307	Standard	Owner	3500

DWELLING

(1265) W BOSWORTH 510 N Congo; one - story and basement frame dwelling.
Owner—H. J. Simons, % architect.
Architect—W. H. Armitage, 72 New Montgomery St. \$3500

DWELLING

(1266) E 37th AVE 100 S Cabrillo; one - story and basement frame dwelling.
Owner—E. A. Janssen, 811 Hearst Bldg.
Architect—Not Given. \$4000

DWELLING

(1267) N WAWONA 90 E 16th Ave.; one - story and basement frame dwelling.
Owner—T. Brodevich, 459 Noe St
Plans by Owner. \$3000

DWELLING

(1268) E GOETTINGEN 175 S Bacon; one - story and basement frame dwelling.
Owner—F. E. Delahay, 3221 21st St.
Architect—Not Given.
Contractor—O. W. Britt & Son, 1257 Arguello Blvd. \$2500

DWELLING

(1269) E 38th AVE 75 S Balboa; one - story and basement frame dwelling.
Owner—E. A. Janssen, 811 Hearst Bldg.
Plans by Owner. \$4000

APARTMENTS

(1270) SW COR. WALLER and Buchanan Sts.; three-story and basement frame (18) apts.
Owner—C. McGowan, 340 Hayes St.
Architect—C. F. Strothoff, 2274 15th Street.
Contractor—H. S. Meinberger, 343 4th Street. \$18,000

DWELLING

(1271) NE COR. HANCOCK and Noe; one - story and basement frame dwelling.
Owner—Dr. H. B. Ward, 350 Post St.
Architect—Blaine & Olsen, 1755 Broadway, Oakland.
Contractor—T. A. Cuthbertson, 430 Noriega St. \$9500

STORE & DWELLING

(1272) W SAN BRUNO AVE. 77 S Felton; one - story and basement frame store and dwelling.
Owner—J. Alice, 2518 San Bruno Ave.
Architect—C. M. Baker.
Contractor—G. Bobbio, 1294 Gilman Avenue \$5500

DWELLING

(1273) NW COR. NAGLEE and Rae; one - story and basement frame dwelling.
Owner—P. Horgan, 915 Pierce St.
Plans by B. K. Dobkowitz, 425 Monterey Blvd. \$4000

DWELLING

(1274) SW COR. 32nd AVE. and Moraga; 1-story and basement frame dwelling.
Owner—G. Leask, 197 Parker Ave.
Plans by Owner. \$4000

DWELLING

(1275) W 40th AVE. 225 S Lawton; 1-story and basement frame dwelling.
Owner—P. Fresly, 1375 27th St.
Architect—C. Baker. \$3000

ALTERATIONS

(1276) 740 MARKET ST.; alterations to store front.
Owner—Bankers' Inv. Bldg. Corp., 720 Market St.
Architect—Not Given.
Contractor—Barrett & Hilp, 918 Harrison St. \$2000

DWELLING

(1277) E BRODERICK 137 N Bay; 1-story and basement frame dwelling.
Owner—L. and M. Timossi, % builder.
Plans by Contractor.
Contractor—Risdon Bros., 735 Marina Blvd. \$4000

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - California

DWELLING

(1278) W PUTNAM 150 N Jarboe; 1-story and basement frame dwelling.
Owner—F. J. Shannon, 100 Putnam St.
Architect—Not Given. \$3300

SIGN

(1279) MISSION ST. near Brazil St.; electric sign.
Owner—Excelsior Theatre.
Architect—Not Given.
Contractor—Brumfield Elec. Co., 965 Folsom St. \$2985

DWELLING

(1280) E YORK 45 N 26th St.; one-story and basement frame dwelling.
Owner—C. P. Navarett, 363 30th St.
Plans by B. K. Dobkowitz, 425 Monterey Blvd.
Contractor—G. Neugebauer, 22A Sanchez Street. \$5000

DWELLING

(1281) S PALOU 100 W Jennings; 1-story and basement frame dwelling.
Owner—C. A. Laggioni, 1567 Revere Avenue.
Architect—Not Given. \$3500

DWELLING

(1282) N KIRKHAM 57 W 32nd Ave.; one - story and basement frame dwelling.
Owner—C. L. Nelson, 208 Fairmont.
Plans by Owner. \$3500

DWELLING

(1283) SW COR. EDNA and Staples; one - story and basement frame dwelling.
Owner—G. W. Morris, 95 Pinehurst Way.
Architect—D. E. Jaekle, 744 Call Bldg. \$3000

GIRLS' HOME

(1284) E CAMBRIDGE 200 S Felton; four-story class B home for girls.
Owner—Sisters of the Good Shepherd, % Roman Catholic Archbishop, 1100 Franklin St.
Architect—H. A. Minton, Underwood Bldg.
Contractor—J. A. Bryant, Ltd., 514 Call Bldg. \$162,000

ALTERATIONS

(1285) N HOLLY PARK CIRCLE 100 W Bocano; alterations to foundation and stucco dwelling.
Owner—F. Bertich, 191 Highland.
Architect—Not Given.
Contractor—C. Frank Co., 305 Bocano. \$2000

STORE & DWELLING

(1286) N VICENTE 57 E 35th Ave.; 1-story and basement frame store and dwelling.
Owner—Mrs. H. Moneriff, 2441 21st Avenue.
Architect—Not Given. \$3200

DWELLING

(1287) W TERESITA 41 S Evelyn; 1-story and basement frame dwelling.
Owner—Meyer Bros., 727 Portola Dr.
Plans by Owner. \$4000

STORE

(1288) NE CHESTNUT and Pierce; one-story class C store.
Owner—A. Goldsmith, % contractor.
Architect—H. Kirk.

Contractor—Schultz Const. Co., 1 Hillcrest Blvd., Millbrae. \$8000

STORE

(1289) N CHESTNUT 94 E Pierce; 1-story class C store.

Owner—H. J. Oser, % contractor.

Architect—H. Kirk.

Contractor—Schultz Const. Co., 1 Hillcrest Blvd., Millbrae. \$4000

DWELLING

(1290) E SAN ALEJO 100 S Darlen; Way 2-story and basement frame dwelling.

Owner—A. J. Herzig, 635 Victoria.

Plans by D. E. Jaekle, Call Bldg. \$6000

DWELLINGS

(1291) S DORLAND 45 W Church St.; three 1-story and basement frame dwellings.

Owner—San Francisco Home Building Co., 2742 Mission St.

Architect—Charles Strothoff, 2274 15th Street. each \$4000

STORE

(1292) N CHESTNUT 75 E Mallorca; one-story class C store.

Owner—C. Jurgenson, % contractor.

Architect—H. Kirk.

Contractor—Schultz Const. Co., 1 Hillcrest Blvd., Millbrae. \$4000

STORE & OFFICE

(1293) S McALLISTER 175 E Fillmore; one-story frame store and office.

Owner—Shenson Bros., 1055 McAllister Street.

Plans by C. N. Burrell, 1404 Franklin St., Oakland.

Contractor—V. Cavallo, 1111 Jones St., Berkeley. \$3000

ALTERATIONS

(1294) GEARY ST. and Henderson Ave.; alterations for fence.

Owner—Odd Fellows Cemetery, 3527 Geary St.

Architect—Not Given. \$2000

REPAIRS

(1295) 373 HERMAN St.; repair dwelling.

Owner—Mr. Reeng, 2048 Market St.

Architect—Not Given.

Contractor—J. W. Coburn, 2048 Market St. \$2000

DWELLING

(1296) W TERESITA 49 N Aqua; 1-story and basement frame dwelling.

Owner—Meyer Bros., 727 Portola Dr. Plans by Owner. \$4000

DWELLING

(1297) N EL VERANO 100 E Marywood; 2-story and basement frame dwelling.

Owner—G. W. Stanley, 467 Turk St.

Architect—Mr. Boldeman, 1967 Ocean Avenue. \$3000

STORE

(1298) NE CHESTNUT and Mallorca; one-story class C store.

Owner—C. Jurgenson, % contractor.

Architect—H. Kirk.

Contractor—Schultz Const. Co., 1 Hillcrest Blvd., Millbrae. \$7500

DWELLING

(1299) W 24th AVE. 150 N Taraval; two-story and basement frame dwelling.

Owner—P. E. Vukicevich, 1442 Taraval St.

Architect—J. G. Little & Company, 251 Kearny St. \$7000

DWELLING

(1300) S BEACH 155 W Webster; 1-story and basement frame dwelling.

Owner—T. Damico, 2345 Polk St.

Architect—Not Given. \$4000

DWELLING

(1301) E NEWHALL 25 S Innes; one-story and basement frame dwelling.

Owner—J. Leary, 1362 Brussels St.

Architect—Not Given.

Contractor—A. R. Sanchez, 4922 Third Street. \$3000

DWELLINGS

(1302) SE COR. SAN JOSE AVE. and Oneida; nine 1-story and basement frame dwellings.

Owner—T. J. Sullivan, 1967 Ocean Ave. Plans by Owner. each \$4000

DWELLING

(1303) E TWENTY-SIXTH AVE. 275 S Geary. One-story and basement frame dwelling.

Owner—E. A. Janssen, 811 Hearst Bldg., San Francisco.

Architect—Not Given. \$4000

ALTERATIONS

(1304) NO. 661 FOURTH AVENUE. Alter dwelling for (2) flats.

Owner—A. D. Levy, Premises.

Architect—Not Given. \$1000

DWELLING

(1305) SW ALLISON 150 NW Brunswick. One-story and basement frame dwelling.

Owner—J. Dall, 940 Geneva Ave., San Francisco.

Plans by D. E. Jaekle, 744 Call Bldg., San Francisco. \$3500

DWELLING

(1306) COR. PORTOLA DRIVE AND Dorchester; two-story and basement frame dwelling.

Owner—L. Michetti, 1182 Market St. Plans by Contractor.

Contractor—Morris and Werner, 1182 Market St. \$5000

DWELLING

(1307) W FUNSTON AVE. 100 South Santiago; one-story and basement frame dwelling.

Owner—Standard Bldg. Co., 218 Castenada.

Plans by Owner. \$3500

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Am't.
181	Oliva	Sartoria	11200

BUILDING

(181) E BRODERICK 75 N Chestnut N 25 x E 93-9; all work on two-story and basement frame bldg.

Owner—Ida Oliva.

Architect—Not Given.

Contractor—Peter Sartorio, 2440 Greenwich St.

Filed Aug. 28, '31. Dated Aug. 18, '31.

Roofing on \$2800

Rough plaster on 2800

Accepted 2800

Usual 35 days 2800

TOTAL COST, \$11,200

Limit, 90 days. Plans and Spec. filed.

182 Southern Pacific J N J

REBRICKING

(182) MISSION AND BAY STREET Shops. All work for rebricking 100 HP. Babcock Wilcox boilers in Southern Pacific Company's plant

Owner—Southern Pacific Co., 65 Market St., San Francisco.

Architect—Not Given.

Contractor—J. N. J. Firebrick Construction Co., 475 Stevenson St., San Francisco.

Filed Sept. 2, '31. Dated Aug. 22, '31.

TOTAL COST, \$—

Bond, none. Limit, 30 days. Forfeit,

plans and specifications, none.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded	Accepted
Aug 29, 1931—NE FARRAGUT Ave 28-84, 53-84 and 83-84 SE Moneta Way. Geo M Battersby to whom it may concern. August 21, 1931	
Aug 29, 1931—W 21st AVE 125 South Lincoln Way 25x120. John Beck to whom it may concern. August 29, 1931	
Aug 29, 1931—SE FRANCISCO AND Lyon Sts. F and C Dalgero to Henry Erickson. August 28, 1931	
Aug 28, 1931—E HALF TOLAND ST from center line Galvez Ave to center line Hudson Ave W 1/4 of Selby from center line Galvez Ave to center line of Hudson Ave S 1/4 of Galvez Ave from E Toland St to W Selby N 1/2 of Hudson Ave from E Toland to W Selby. S & H Lachman Est to Granfield, Farrar & Carlin, McClure & Chamberlin, Sibley Grading & Teaming Co, H V Tucker Co. August 27, 1931	
Aug 28, 1931—E 29th AVE 126 North Santiago 25x120 (two completions). Ragner and E Monson to whom it may concern. August 28, 1931	
Aug 28, 1931—E GAMBIER ST 50 N Silliman St 25x95. J and M Keeley to whom it may concern. August 28, 1931	
Aug 28, 1931—LOT 9 BLK 2956A map Sub No 7, Miraloma Park. The McCarthy Co to Meyer Bros. August 25, 1931	
Aug 28, 1931—W WISCONSIN 40 S 22nd S 75 x W 100. John Kिरane to whom it may concern. August 27, 1931	
Aug 28, 1931—NW LAWTON & 31st Ave N 25 x W 90. Henry Doelger to whom it may concern. August 24, 1931	
Aug. 27, 1931—N PULTON 250 E Parker Ave adj present college of Liberal Arts Bldg. University of San Francisco to Barrett & Hilp. August 18, 1931	
Aug 27, 1931—W ALPHA 25 S Teddy Ave 206 Alpha St. A M Samuelson to whom it may concern. August 25, 1931	
Aug. 27, 1931—SW ALPHA AND Teddy Ave 200 Alpha St. A M Samuelson to whom it may concern. August 25, 1931	
Aug 27, 1931—S TEDDY AVE 100 W Alpha St, 119 Teddy Ave. A M Samuelson to whom it may concern. August 25, 1931	
Aug 27, 1931—S SANTIAGO 57-6 W 44th Ave. 3315 Santiago St. A M Samuelson to whom it may concern. August 25, 1931	
Aug 27, 1931—S SANTIAGO 82-6 W 44th Ave. 3321 Santiago St. A M Samuelson to whom it may concern. August 25, 1931	
Aug 27, 1931—S BROAD 435 W Castol Ave W 25 x S 125 Blk F map lands R R Hd Assn. Auralla Rivera to whom it may concern. August 27, 1931	
Aug 27, 1931—W 21st AVE 203 S Noriega S 50 x W 120 OL 936. John E McCarthy to whom it may concern. August 24, 1931	
Aug 27, 1931—E 2nd AVE 118 S Noriega S 25 x E 120 OL 205. Gust Jelms to whom it may concern. August 25, 1931	
Aug 27, 1931—LOTS 8, 9 and 10 Blk 2948A Sub No 5 Miraloma Park. Meyer Bros to whom it may concern. August 25, 1931	
Aug 27, 1931—SW HARRISON and 3rd SE 80 x SW 75 100 V B 366. General Petroleum Corp of California to Reavey & Spivock. August 26, 1931	
Aug 27, 1931—NE CONCORD 150 SE Morse SE 25 x NE 120 blk 3 Syndi-	

cate 1st Addn to San Francisco. J and R A Cogorno to Castle Bldg Co. August 17, 1931

Aug 26, 1931—W 33rd AVE 75 South Kirkham S 25 x W 95 01 507. Whitney Inv Co. Ltd to Marlan Realty Co. Ltd. August 25, 1931

Aug 26, 1931—LOCATION (OMITTED). Southern Pacific Co to Wailoe-Dove-Hermiston Corp. August 17, 1931

Aug. 26, 1931—LOT 6 BLK 3, Map Syndicates First Addition to San Francisco. Wm & Carrie Springer to Castle Bldg Co and Henry Horn. August 15, 1931

Aug 26, 1931—SE HAIGHT & Ashbury, 1485 Haight St. J Larsen to H H Larsen Co. August 15, 1931

Aug 26, 1931—S SANTIAGO 63-9 W 14th Ave 31-10x3100. J W Rogers to whom it may concern. August 26, 1931

Aug 26, 1931—E 23rd AVE 175 S Santiago 25x120. J W Rogers to whom it may concern. August 26, 1931

Aug 31, 1931—N UPLAND DRIVE dist 10 W 31st Ave 5 blk 275 W 40 N 89-293 E 38 S 39 m or 1 ptn lot 5 blk 3275 map Mt Davidson Manor. George O and Mildren S Bendon to whom it may concern. August 29, 1931

Aug 31, 1931—SW JAMESTOWN and Inkalls Lots 37 and 28 blk 583, Bay View Tract No 2. C H Lilge to whom it may concern. August 31, 1931

Aug 31, 1931—W 31st AVE 275 North Taraval W 25 x W 120 S 25 E 275. Julius Schnapp to whom it may concern. August 29, 1931

Aug 31, 1931—N GEARY 65 E from E line alg said line of Geary 27-6 N 87-6 W 27-6 S 87-6 WA 536. Margaret Curtis to Norris & Welner. August 28, 1931

Aug 31, 1931—SE ALEMANY Blvd dist S 70 deg 00 min 30 sec W 28-353 from pt of inter of said SE Alemnany Blvd with NW Adams Ave SW 25 S 83-462 NE 29-391 W 68-007 to beg, ptn lot 1 blk 6801 map Castle Manor, lot 38 blk 6801 map Castle Manor. Castle Bldg Co to Henry Horn. August 28, 1931

Aug 31, 1931—LOTS 7 and 8 BLK 2956A map Sub No 7, Miraloma Pk. The McCarthy Co to Meyer Bros. August 25, 1931

Aug 31, 1931—E 45th AVE 125 South Balboa S 50 x E 129. Rebecca Morris to whom it may concern. August 28, 1931

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

Aug 26, 1931—BOUNDED by Upland Co vs City and County of S F, State of California, MacDonald & Kahn, Inc, Roslyn Tompkins, Admx Est of Wm A Tompkins deceased, const of Aptos Elementary (Junior High) School. \$3679.81

Aug 26, 1931—SW BRUSSELS 125 NW Olmstead Ave NW 25 x SW 120. Atlas Heating & Ventilating Co. Ltd vs W Rosener. \$61.70

Aug 27, 1931—W ASHBURY 201-6 N Frederick N 125xW 186-3, P Montague Co vs A A Hapal; D Paganini and The Roman Cath Arc Archbishop of S F. \$124.50

Aug 27, 1931—W ASHBURY 201-6 N Frederick N 125xW 186-3, M Bertolino vs D Paganini and The Roman Catholic Archbishop of San Francisco. \$259

Aug 27, 1931—EPTTY BOUNDED BY Mason and Lombard Sts. and Columbus Ave. S S Gorman vs J B De Maria and M J Lyon. \$50

Aug 26, 1931—S KIRKHAM 95 E 19th Ave E 25xS 100. Henry Doelger to whom it may concern Drive, Aptos, Kenwood and Westgate Aves. Merced Clay Products

Aug 31, 1931—NE GOLDEN GATE Ave and Broderick St E 30 x N 120 WA 510. Frank F Goodman vs Catherine E Lynn. \$348.50

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount

Aug. 26, 1931—LOT 48 GIFT MAP No. 3. W B Jefferson (as The Greater City Lumber Co) to Gust L and Olga Peterson and Annie Cohen. \$502.79

BUILDING PERMITS

Alameda County

1004 Whalen	Williamson	4000
1005 Starbuck	Courtright	5500
1006 Annis	Owner	3000
1007 Hubbard	Owner	3000
1008 MacGregor	Owner	1950
1009 Peake	Owner	4000
1010 MacGregor	Owner	1950
1011 Nicholl	Carlson	2000
1012 Legris	Owner	3800
1013 Chandler	National	2750
1014 Stenbro	Owner	2300
1015 Dooley	Owner	3000
1016 Taylor	Owner	3500
1017 Pederson	Owner	3500
1018 Legris	Owner	3500
1019 Smith	Kennedy	1000
1020 Fagliano	Cisero	8000
1021 Brown	Owner	1200
1022 Breuner	Vaughn	2000
1023 Grubb	Owner	3250
1024 Fish	Owner	4000
1025 Wallin	Owner	2975
1026 Ham	Ceberberg	42000
1027 Blanchetta	Faramia	2500
1028 Larmer	Owner	4000
1029 Pleitner	Watson	2950
1030 Larmer	Owner	4250
1931 Kent	Fleming	4500
1032 Bowles	Littlefield	14000

DWELLING (1004) NO. 154 BROOKSIDE ST., BERKELEY. One-story five-room stucco dwelling. Owner—Whalen & Hufschmidt, 407 Federal Bldg., Oakland. Architect—W. W. Dixon, 1545 Fifth Ave., Oakland. Contractor—E. M. Williamson, 3761 Allendale Ave., Oakland. \$4000

RESIDENCE (1005) NO. 284 ALVARADO ROAD, BERKELEY. Two-story 5-room 1 family frame residence and garage. Owner—E. I. Starbuck, 1421 Euclid Ave., Berkeley. Architect—H. H. Gutterston, 526 Powell St., San Francisco. Contractor—T. D. Courtright, 5098 Manila Ave., Oakland. \$5500

DWELLING (1006) NO. 840 MASONIC AVE., ALBANY. Six-room dwelling. Owner—C. H. Annis, 2511 Derby St., Berkeley. Architect—Not Given. \$3000

DWELLING (1007) NO. 1035 SANTA FE AVE., ALBANY. Five-room dwelling. Owner—J. F. Hubbard, 2632 Haste St., Berkeley. Architect—Not Given. \$3000

DWELLING (1008) NO. 713 SPOKANE AVE., ALBANY. Five-room dwelling. Owner—C. MacGregor, 470 13th St., Oakland. Architect—Not Given. \$1950

DWELLING (1009) NO. 1331 GARFIELD AVE., ALBANY. Six-room dwelling.

Owner—F. Peake, 1559 Arch St., Berkeley. Architect—Not Given. \$4000

DWELLING (1010) NO. 715 SPOKANE AVE., ALBANY. Five-room dwelling. Owner—C. MacGregor, 470 13th St., Oakland. Architect—Not Given. \$1950

DWELLING (1011) NO. 3675 MADRONE AVE., OAKLAND. One-story 4-room dwelling. Owner—J. Nicholl, 3675 Madrone Ave., Oakland. Architect—Not Given. \$2000

DWELLING (1012) NO. 4753 EL CENTRO AVE., OAKLAND. One-story 5-room dwelling. Owner—Vincent J. Legris, 2329 E 26th St., Oakland. Architect—Not Given. \$3800

RESIDENCE (1013) NO. 1305 SIXTY-SEVENTH ST., BERKELEY. One-story five-room 1-family frame residence. Owner—Jenny Chandler, 1301 67th St., Berkeley. Plans by Contractor. Contractor—National Bldg. Co., 3310 Grove St., Oakland. \$2750

DWELLING (1014) 6216 MAJESTIC AVE., OAKLAND; one-story 5-room dwelling. Owner and Builder—Andrew Stenbro, 4340 La Cresta Ave., Oakland. Architect—Not Given. \$2500

DWELLING (1015) 2458 DELMER ST., OAKLAND; one-story 6-room dwelling. Owner and Builder—Fred T. Dooley, 3936 Vale Ave., Oakland. Architect—Not Given. \$3000

DWELLING (1016) 3615 ARDLEY AVENUE, OAKLAND; 1½-story 6-room dwelling. Owner and Builder—F. S. Taylor, 2973 Hopkins St. Architect—Not Given. \$3500

RESIDENCE (1017) NO. 1690 TACOMA AVE., BERKELEY. One-story 6-room 1-family frame residence. Owner—T. Pederson, 2145 Grant St., Berkeley. Architect—Not Given. \$3500

RESIDENCE (1018) NO. 28 FAIRLAWN DRIVE, BERKELEY. One-story 5-room 1-family frame residence. Owner—L. S. Legries, 4515 Edith St., Oakland. Architect—Not Given. \$3500

ALTERATIONS (1019) NO. 597 SANTA CLARA AVE., BERKELEY. Alterations. Owner—Mrs. M. Smith. Architect—Not Given. Contractor—F. T. Kennedy, 1051 7th St., Oakland. \$1000

FLATS (1020) S 40th ST., 200 E Market St., OAKLAND; 2-story 11-room flats. Owner—D. Fagliano, 1221 23th Street, Oakland. Architect—Not Given. Contractor—John Cisero, 474 42nd St., Oakland. \$8000

DWELLING (1021) S INDEPENDENCE WAY, 125 E 18th Ave., OAKLAND; 1-story 3-room dwelling. Owner and Builder—A. V. Brown, 1829 Foothill Blvd., Oakland. Architect—Not Given. \$1200

SHED

(1022) SW COR 22nd and Chestnut
Sts., OAKLAND; 1-story tile shed.
Owner—Broomer company.
Architect—Not Given.
Contractor—Wiley T. Vaughn, 501
Weldon Ave., Oakland. \$2000

DWELLING

(1023) 1932 165th AVE., OAKLAND;
one-story 6-room dwelling and 1-
story garage.
Owner and Builder—Jas. R. Grubb,
10815 Breed Ave., Oakland.
Architect—Not Given. \$3250

DWELLING

(1024) S ALDEN ST. 193 E Shattuck
Ave., OAKLAND; one-story six-
room dwelling.
Owner and Builder—L. C. Fish, 2246 E
32nd St., Oakland.
Architect—Not Given. \$4000

DWELLING

(1025) E 75th Ave. 100 N Ney Ave.,
OAKLAND; 1-story 5-room dwell-
ing.
Owner and Builder—Folke Wallin, 2150
50th Ave., Oakland.
Architect—Not Given. \$2975

DWELLING

(1026) 578 HAMPTON ROAD, PIED-
MONT; two-story 18-room dwell-
ing and garage.
Owner—R. K. Ham, Latham Square
Bldg., Oakland.
Architect—Newson Bros., 1125 Russ
Bldg., San Francisco.
Contractor—A. Cederberg, 1455 Excel-
sior Blvd., Oakland. \$42,000

RESIDENCE

(1027) NO. 1207 VIRGINIA ST.,
BERKELEY. One-story 4-room
1-family frame residence.
Owner—A. Bianchetta, 1637 Curtis
St., Berkeley.
Architect—Not Given.
Contractor—J. Faramia, 827 Mad-
ison St., Albany. \$2500

DWELLING

(1028) E CARBERRY ST. 52 S 57th
St., OAKLAND; one-story 5-room
dwelling.
Owner and Builder—Edward Larmer,
90 Fairview Ave., Oakland. \$4000
Architect—Not Given.

DWELLING

(1029) 1340 GLENFIELD AVE., OAK-
LAND; one-story 5-room dwell-
ing.
Owner—H. A. Pleitner, 1301 Fruitvale
Ave., Oakland.
Architect—Not Given.
Contractor—Wm. Watson, 4750 Meldon
Ave., Oakland. \$2950

DWELLING

(1030) E CARBERRY ST. 102 S 57th
St., OAKLAND; one-story 6-room
dwelling.
Owner and Builder—Edward Larmer,
90 Fairview Ave., Oakland. \$4250
Architect—Not Given.

DWELLING

(1031) N SANTA RAY AVE. 300 E
Paloma Ave., OAKLAND; one-
story 5-room dwelling.
Owner—J. Kent.
Architect—Not Given.
Contractor—Andrew Fleming, 428 S
Monterey Blvd., Oakland. \$4500

ALTERATIONS

(1032) W BROADWAY 100 N 17th St.,
OAKLAND; alterations to stores.
Owner—Mary E. Bowles.
Architect—D. D. Stone, 337 17th St.,
Oakland.
Contractor—R. W. Littlefield, 337 17th
St., Oakland. \$14,000

BUILDING CONTRACTS

Alameda County

No.	Owner	Contractor	Amt.
138	Bowles	Littlefield	14000
139	McCord	Knight	5250
140	Pacific States	Greenwood	1186

STORE

(138) BROADWAY and Telegraph Ave
near 17th St., Oakland; general
construction of a store building.
Owner—Mary A. Bowles.
Architect—D. D. Stone, Great West-
ern Power Bldg., Oakland.
Contractor—R. W. Littlefield, 337 17th
St., Oakland.
Filed Aug. 28, '31. Dated Aug. 26, '31.
Fifth of each month.....75%
Usual 35 days.....25%
TOTAL COST, \$14,000
Limit, 21 days. Plans and Spec. filed.

RESIDENCE

(139) LOT 60, Fernwood, Oakland.
All work for two-story six-room
residence and double garage.
Owner—A. T. and Doris B. McCord,
115 Nova St., Oakland.
Architect—F. H. Slocombe, 3830 Har-
rison St., Oakland.
Contractor—Harry C. Knight, 327 17th
St., Oakland.
Filed Sept. 2, '31. Dated Aug. 30, '31.
As work progresses.....
Usual 35 days.....last payment

TOTAL COST, \$6250
Bond, none. Limit, 75 days. Forfeit,
none. Plans and specifications filed.

STORE AND LOFT BLDG.

(140) NE VALLEY AND TWENTY-
first Sts., Oakland. All work for
staining floors for eight-story and
basement reinforced concrete
store and loft building.
Owner—Pacific States Aux Corp.
Architect—Albert F. Roller, Crocker
First National Bank Bldg., San
Francisco.
Contractor—P. J. Walker Co.
Sub-Contractor—Frank Greenwood,
228 McAllister St., San Francisco.
Filed Sept. 4, '31. Dated Aug. 27, '31.
On 10th of each month.....75%
Usual 35 days.....Balance

TOTAL COST, \$1186
Bonds, labor and materials, \$593; per-
formance, \$593. Surety, Maryland
Casualty Co. Limit, 2 weeks. For-
feit, none. Plans and specifications
filed.

COMPLETION NOTICES

Alameda County

Recorded	Accepted
Aug 26, 1931—SE PEARL ST 130 ft SW of Calhoun St, Alameda. Os- car Chilton Levo to Noble F Jus- tice.....August 27, 1931	
Aug 26, 1931—EAST 21ST HIGHWAY bet Stanton Ave and Foothill Blvd. Dept of Public Works, State of California to Jones & King..... .....August 20, 1931	
Aug 31, 1931—1022 EUCLID AVE, Berkeley. Erick King to whom it may concern.....August 26, 1931	
Aug 31, 1931—FERNSIDE BLVD, Alameda. Southern Pacific Co to Hutchinson Co.....August 25, 1931	
Aug 31, 1931—362 WALNUT Street, Alameda. Alto Jeanette Chaplin to John Paacock.....August 31, 1931	
Aug 31, 1931—1818-1824 108th AVE, Oakland. James B Grubb to whom it may concern.....August 31, 1931	
Aug 29, 1931—LOT 68 ana W half lot 67, Central Square, Oakland. Catherine A Larmer to whom it may concern.....August 20, 1931	
Aug 28, 1931—490 COLUSA Avenue, Berkeley. B Reinghaus to whom it may concern.....August 26, 1931	
Aug 28, 1931—620 SANTA FE AVE,	

Albany. B Reinghaus to whom it
may concern.....August 26, 1931
Aug. 27, 1931—LOT 18 BLK 579, Map
of Baseball Grounds, 14th and
Center Sts., Alameda. Edward
J Figne and Walter V Morelli to
Chas Ungaretti.....Aug. 24, 1931
Aug. 27, 1931—NO. 1756 EUCLID
Ave, Berkeley. Alpha Lambda of
Phi Kappa Sigma Bldg Assn to J
N Short.....Aug. 10, 1931
Aug. 27, 1931—NO. 4915 PROCTOR
Ave, Oakland. Roy J Swartout
to John R Peterson.....Aug. 26, 1931
Aug. 27, 1931—SW SYLVAN AVE
120 SE Maple Ave., Oakland. Alex
Swanson to whom it may concern
.....August 26, 1931
Aug 26, 1931—1863 TRISTLE GLEN
Road, Oakland. Ross J Singrey to
James L Rich.....August 26, 1931
Aug 26, 1931—LOT 31, Mandana Pk,
Oakland. Chas Lindsay, C Markus
and Robt Appleby to B Younger.....
.....August 24, 1931
Aug 26, 1931—NW CRAGMONT Ave
80 ft SW of Marin Ave, Berkeley.
Jack and Anna Sarah Smith to E
R Converse.....August 22, 1931

LIENS FILED

Alameda County

Recorded	Amount
Aug 29, 1931—LOTS 13 and 14 BLK B, Rose Park Tract, Oakland. A J Bowman doing business as Bow- man Bldg Supply Co vs Ralph Young and E Higgins.....\$39.60	
Aug 29, 1931—LOTS 13 and 14 BLK B, Rose Park Tract, Oakland. H A Hood doing business as H A Hood Co vs Ralph A and Freda Young and Milton Roundtree.....\$75.76	
Aug 29, 1931—LOT 27 and E 10 ft lot 28 blk 675, Glascock Tct, Oak- land. Loop Lumber and Mill Co vs The Richard Clark Missionary Baptist Church of Oakland, Geo C Martin, E J Widy.....\$320.12	
Aug 28, 1931—INTER NW Trestle Glen Road and SW Kingsley Place and adj ppty, Oakland. Markus Hardware Co vs Ernest R Jervis, Cliff Davidson, Pauline Delucci, R E and Metta N Kyle.....\$23	
Aug 26, 1931—TO FIND POINT OF beginning start at a point on the SW line of Broadway 400 ft S of SW line of Otis St, thence SE 84.96 to the pt of beg., Alameda. W L Saxby vs J B and Freda Emmal and Noble F Justice.....\$125	
Aug 26, 1931—LOT 46 BLK 4, South Lakeshore Glen, Oakland. Tay- Holbrook Inc vs Gordon Marchant, Mrs E G Angelo, A J Aaroe.....\$271.55	
Aug 26, 1931—NW TRESTLE GLEN SE Kingsley Place. Roll-a-Way Co vs R F and N Kyle, E Jervis, Pau- line De Lucchi.....\$95.45	
Aug 26, 1931—LOT 13, Linden Tract, Oakland. Melrose Bldg Material Co vs Wm Klein, F H McLaughlin .....\$39.97	
Aug 26, 1931—POINT ON SW Line of Broadway 400 ft S of SW line of Otis St th SE 84-96 ft to the pt of beginning, Alameda. Bungalow Fixture Co vs J and Freda H Em- mel, Noble Justice.....\$100.	
Aug 29, 1931—TO FIND POINT OF beginning, SE Broadway 400 ft S of Otis Drive th SE at right angles to Broadway 84-96 ft to actual pt of beginning th SE 42-96 ft NE 100 ft. Alameda. C W Abbott do- ing business as C W Abbott Co vs J B Emmal, Noble F Justice..... .....\$227.06	
Aug 29, 1931—TO FIND POINT OF beginning, SE Broadway 400 ft S of Otis Drive th SE at right angles to Broadway 84-96 ft to actual pt of beginning th SE 42-96 ft NE 100 ft, Alameda. J C Brockhurst doing business as Brockhurst Tile Co, \$88; L Scaramelli, \$206.75; L	

Seliger, \$50, vs J B and Freda Emmel and Noble F Justice..... \$690.04

Aug. 28, 1931—SE LINE BROADWAY 400 ft SW of Otis Drive th at right angles SE 84-96 ft to pt of beginning th SE 12-96 ft NE 100 ft NW 42-96 ft SW 100 ft Alameda. Loop Lumber & Mill Co vs J B Emmel, N F Justice..... \$117.48

Aug. 28, 1931—PTN LOT 2 Revised map of Oakland Heights. Robert Kay vs W A Anderson..... \$100

Aug. 28, 1931—NE REDDING ST 237-05 NW 38th Ave, Oakland. J A McKeever vs John and Matilda Platz..... \$117.48

RELEASE OF LIENS

Alameda County

Recorded	Amount
Aug. 29, 1931—PTN LOT 32, Thornhill Park, Oakland. Nick Tribuzio to Mark G Keller, Chas Bolin.....	\$150
Aug. 27, 1931—SW HAMPEL ST 110 ft NW of Greenwood Ave, Oakland. James H Pedgrift to Mary M Harris, Mary Langenstein.....	\$510.85
Aug. 24, 1931—PTN LOT 55, Bray Tract, Oakland. East Bay Glass Co to William Shaw also known as W M Shaw and Frank Kenney.....	\$55
Aug. 31, 1931—PTN LOT 1, Trenor and Armstrong Tract, Oakland. Frank Brophy Jr to Frank Brophy Jr.....	August 24, 1931

BUILDING CONTRACTS

SAN MATEO COUNTY

RESIDENCE
LOT 25 BLK 3, Burlingame Park No. 2, Burlingame. All work for one-story residence and 2-car garage. Owner—Samuel Leslie Hawkin. Architect—Not Given.
Contractor—G. W. Williams Co., Ltd., 310 University Ave., Burlingame.
Filed Aug. 27, '31. Dated Aug. 19, '31.
Cash.....\$100.00
Approval of plans.....150.00
Roof on.....1255.00
When plastered.....1775.00
When completed.....1512.50
Usual 35 days.....Balance

TOTAL COST, \$7100.00

Bond, none. Limit, 60 working days. Forfeit, plans and specifications, none.

STORE AND APARTMENTS
CAPUCHINO AVE AND BROADWAY, Burlingame. All work for store and apartment building. Owner—Ray Planchetti et al, 1114 Capuchino St., Burlingame.
Architect—C. F. Gilliam, 1401 Broadway, Burlingame.
Contractor—George McLeod, 2511 35th Ave., San Francisco.
Filed Aug. 24, '31. Dated Aug. 12, '31.
Roof on.....\$1250
Plastered.....1250
Completed.....1250
Usual 35 days.....2075

TOTAL COST, \$5825

Bond, \$5825. Surety, Aetna Casualty & Surety Co. Limit, 12 weeks. Forfeit, plans and specifications, none.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
Aug. 24, 1931—PART BLK 13, Western Addition, San Mateo, Congre-	

gational Church of San Mateo to H H Larson & Co., et al..... August 21, 1931

Aug. 24, 1931—LOT 22 BLK 83, San Mateo. Modesto Bottai to Angelo Zangrande et al..... July 28, 1931

Aug. 25, 1931—LOT 33 BLK 2, Jefferson Park, San Mateo. Castle Bldg Co to Henry Horn..... August 18, 1931

Aug. 25, 1931—PART LOT 5 BLK 7, Blossom Heath Manor, San Mateo. Castle Bldg Co to Henry Horn..... August 18, 1931

Aug. 25, 1931—LOTS 9 AND 10 Blk 29, Western Addition, San Mateo. John Baylo to whom it may concern..... July 21, 1931

Aug. 26, 1931—LOT 21 BLK E, San Bruno. John P. Natus et al to Milton Finko..... August 24, 1931

Aug. 26, 1931—LOT 13 BLK 3, Millbrae Highlands. Robert W Simcock to W O Nicolandes..... August 25, 1931

Aug. 27, 1931—LOT 12 BLK 21, East San Mateo. Lengfeld & Olund to Lengfeld & Olund..... August 25, 1931

Aug. 27, 1931—LOT 25, Woodstock, Hillsborough. Peter F Banquet to G W Williams Co..... August 26, 1931

Aug. 27, 1931—LOT 4 BLK 19, Crocker Estate Tract, San Mateo. Maurice Tasch to Ford Sautte..... August 26, 1931

Aug. 28, 1931—LOT 16 BLK B, Foy's Redwood Garden. Ivan D Peterson to whom it may concern..... August 28, 1931

Aug. 28, 1931—PART LOT 5 BLK 11, Burlingame. U S Simonds et al to Simonds & Simonds..... August 24, 1931

Aug. 28, 1931—LOT 27 BLK 37, Devonshire Properties. Mabel G Carlisle to whom it may concern..... August 28, 1931

Aug. 28, 1931—LOT C Sub of Lot 20 Blk 5, San Mateo Villa Park. William Auerbach to Herman Budan..... August 23, 1931

Aug. 28, 1931—LOT 9 BLK 27, Millbrae Highlands. Niels Schultz to Schultz Constr Co..... August 26, 1931

Aug. 29, 1931—LOT B RESUB LOTS 112 & 113, San Mateo City Homestead. Leonard Hultberg et al to whom it may concern..... August 27, 1931

Aug. 29, 1931—LOT 20 BLK C, Menlo Park Villa Lots. O Leon Peterson et al to whom it may concern..... August 28, 1931

Aug. 29, 1931—RUNNYMEADE ST., (1 acre lot). A H Hammonds to A C Head..... August 27, 1931

Aug. 31, 1931—LOT 9 BLK 63, Easton. Frank F Barrows et al to G W Williams Co, Ltd..... August 27, 1931

Aug. 31, 1931—LOTS 25 AND 26 Blk 11, Millbrae Highlands. Castle Bldg Co to Henry Horn..... August 24, 1931

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
Aug. 24, 1931—LOT 10 BLK 36, Lyon & Hoar Sub, Burlingame. John A Duglish vs G S Congor et al.....	\$272

Aug. 24, 1931—PART LOT 5, East Greenwood Tract. Aetna Indemnity Co vs Williams & McLaughlin..... \$292

Aug. 27, 1931—LOT 30 BLK 10, Lyon & Hoar Sub, Burlingame. R L Reed et al vs G S Congor..... \$24.50

Aug. 27, 1931—LOT 10 BLK 36, Lyon & Hoar Sub, Burlingame. A Congor Cook vs G S Congor et al..... \$24.50

Aug. 28, 1931—LOTS 25, 26, 27 AND 28 Blk A, Millbrae Park. F M McNulty vs William L. Congor..... \$24.50

Aug. 29, 1931—LOT 8 BLK 18, Hawthorn. Charles L. Congor vs J E Allen et al..... \$24.50

Aug. 29, 1931—LOT 14 BLK A, Redwood Gardens. San Carlos Feed & Fuel Co vs Sam B. Allen et al..... \$24.50

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded	Amount
Aug. 24, 1931 — LOCATION NOT Given. Arnold Smith et al to Sam B. Boggs et al.....	
Aug. 25, 1931 — LOCATION NOT Given. Detroit Steel Products Co to Daniel J McDonald.....	\$146

BUILDING PERMITS

BURLINGAME

RESIDENCE, \$7000; Lot 25 Blk 3 B. P 1/4, Burlingame; owner, S. L. Hawken; contractor, Geo. W. Williams, 315 Primrose Road, Burlingame.

STORES and one apartment, Class C, \$5500; Lot 27 Blk 4, Capuchino St., Burlingame; owner, Ray Pladwell, 1144 Capuchino; contractor, Geo. McLeod, 933 Paloma St., Burlingame.

RESIDENCE, \$4300; Lot 9 Blk 1, V. P. Morrell, Burlingame; owner, S. M. Harger.

BUILDING PERMITS

PALO ALTO

ALTER store \$1000; No. 385 California Ave. Palo Alto; owner E. L. Shaw Premises; contractor Young & Horstmeier 461 Market St. San Francisco.

RESIDENCE, stucco, one-story and garage, \$5500; No. 1837 Emerson St., Palo Alto; owner and contractor, Cleveland Smith, President Hotel, San Francisco; contractor, Treichel & Goodpastor, 1540 San Pablo Ave., Oakland.

RESIDENCE, frame and stucco, 2-story and garage, \$5500; No. 2065 Cowper St., Palo Alto; owner and contractor, Cleveland Smith, President Hotel, San Francisco; architect, Treichel & Goodpastor, 1540 San Pablo Ave., Oakland.

RESIDENCE, stucco, one-story and garage, \$5050; No. 180 Nevada Ave., Palo Alto; owner and contractor, H. J. Walker.

Member Insurance Brokers' Exchange

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490 GEARY STREET

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San Francisco

BUILDING CONTRACTS

SANTA CLARA COUNTY

RESIDENCE
COR. MOISE AND EMORY STS.,
 San Jose. All work for two-story
 frame and stucco residence.
 Owner—Richard V. Bressani 223 Vine
 St., San Jose.
 Plans by Herman B. Krause, 123 N.
 Ninth St., San Jose.
 Contractor—J. S. Newell (as Megna &
 Newell), Bank of Italy Bldg., San
 Jose.
 Filed Aug. 28, '31. Dated Aug. 28, '31.
 Frame up 14
 1st coat plaster on 34
 Work completed 34
 Usual 35 days 14
TOTAL COST, \$17,510
 Bond, \$17,510. Surety, Fireman's
 Fund Indemnity Co. Limit, on or be-
 fore Dec. 19, 1931. Forfeit, none.
 Plans and specifications filed.

DWELLING
LOT 4, Nino Tract, Los Gatos, All
 work for five-room dwelling and
 garage.
 Owner—Albert S. and Catherine M.
 Nino.
 Architect—Not Given.
 Contractor—Saro Di Fiore, 935 Ham-
 line St., San Jose.
 Filed Aug. 31, '31. Dated May 29, '31.
 Roof on \$1352
 1st coat plaster on 945
 Completed and accepted 945
 Usual 35 days 945
TOTAL COST, \$4187
 Bond, limit, forfeit, none. Plans and
 specifications filed.

BUILDING PERMITS

SAN JOSE

RESIDENCE, frame, 7-room, \$6000;
 Riverside St. near Bird, San Jose;
 owner and contractor, G. S. Car-
 penter, 508 E-Reed St., San Jose.
RESIDENCE, frame, 6-room, \$4500;
 S 20th St. near Santa Clara, San
 Jose; owner, J. Polissar, 943 E-
 Santa Clara St., San Jose; con-
 tractor, B. H. Painter, R. F. D.,
 Gordon Ave., San Jose.
ALTER 2-story frame residence to
 two-family residence, \$1400; No.
 540 S-Sixth St., San Jose; owner,
 F. Strugginetti, 375 N-13th St.,
 San Jose.
ADD to frame storage building, \$1300;
 Race and Moorpark Sts., San
 Jose; owner, U. S. Products Corp.,
 Premises; contractor, R. O. Sum-
 mers, 17 N-First St., San Jose.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
 Aug. 31, 1931—LOTS 14 AND 15 BLK
 11, College Terrace E of Maps,
 Page 121, San Jose. Max P. and
 Eva M. Barrott to The Minton
 Co., Inc. Aug. 28, 1931
 Aug. 31, 1931—NAGLEE ST. (Her-
 bert Hoover Junior High School),
 San Jose. San Jose High School
 District to Carl T. Doell; Neves &
 Harp; Chas. Terranova. Associated
 Hardware Co., Inc.; Superior Metal
 Products Co., Inc.; W. J. Porter;
 Bush Roofing Co. and W. P. Fuller
 & Co. Aug. 25, 1931
 Aug. 31, 1931—LOT 34 BLK 21, Map
 of the Montgomery & Rea Subd.
 of Blks 21 and 22 of Cooke and
 Brannan Addition, San Jose.
 Harold G. and Iva M. Wick to
 whom it may concern Aug. 31, 1931
 Sept. 1, 1931—W EHRHORN AVE
 NE 124.20 NW 165.20 N line State
 Highway 100 ft. wide N on Ehr-
 horn 50.96 NW 150.42 on line SW
 50.236 SE 148.16 to pt of beg. Henry

S and Charlotte E Moore to whom
 it may concern Aug. 25, 1931
 Sept. 1, 1931—W MINNESOTA AVE
 SW 122 S line land Lagon SW on
 Minnesota Ave 55 right of way NW
 110 L NE 55 1/4 SE 110 to past part
 Narvaez Rancho, Ira Brotzman
 to Ira Brotzman. Sept. 1, 1931
 Sept. 1, 1931—LOT 3 BLK 6, Map of
 Herschbach's Subd of North Glen
 Residence Park, situated in Nar-
 vaez Rancho, W of Pages 44 and
 45. Charles W Lannin to Chas W
 Lannin. Sept. 1, 1931
 Sept. 1, 1931—LOT 19 BLK 7, Los
 Altos Park, Los Altos. Milton L
 Rogers to Milton L Rogers.
 Aug. 28, 1931—PART LOT 14 BLK 2,
 South Lincoln Park in San Juan
 Bautista Rancho S Map 20 on NW
 Currier Ave. Mr and Mrs Wm H
 Steele to M A Urstadt.
 August 22, 1931
 Aug. 28, 1931—LOT 2 BLK 3, Map of
 Lincoln Gates, a Subd in the
 Narvaez Rancho V 46-47 S, San
 Jose. M L Doane to G S Carpen-
 ter. August 19, 1931
 Aug. 27, 1931—NE LINE SAN AN-
 tonio Rancho being 2 Ac Ptn Sec
 4 Twp 7 S R 2 W M D M. Cicero
 F and Adaline Chohrone to Louis
 F Beltramo. July 18, 1931

BUILDING CONTRACTS

MONTEREY COUNTY

RESIDENCE
LOT 16 BLK 2, Riker & Jackson Ad-
 dition to Salinas. All work for
 one-story residence.
 Owner—Charles Shaw, 137 W-San
 Luis St., Salinas.
 Architect—Not Given.
 Contractor—A. J. Yates, 242 Riker
 St., Salinas.
 As work progresses
 Usual 35 days Balance

TOTAL COST, \$2475
 Bond, \$— Surety, Glen Falls In-
 demnity Co. Limit, on or before Oct.
 20, 1931. Forfeit, \$15 per day. Plans
 and specifications filed.

BUILDING
ARENA AVE. Hadden Tract, 1.25
 Acres, Pacific Grove. All work
 for one-story frame building.
 Owner—Ellen Hadden, 219 1/2 Fourth
 St., Pacific Grove.
 Architect—Ralph H. Johonnot.
 Contractor—H. E. Washburn, 153
 Pacific St., Pacific Grove.
 Filed Aug. 22, '31. Dated Aug. 19, '31.
 Roof on 1/4
 1st coat plaster in 1/4
 Completed and accepted 1/4
 Usual 35 days 1/4
TOTAL COST, \$3452.25
 Bond, limit, forfeit, none. Plans and
 specifications filed.

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
 Aug. 25, 1931—LOT 5 BLK 1, Map of
 C Tognetti Subdivision a portion
 of Rancho Nacional, Monterey. J
 E and Ethel Eckett to J E Eckett
 August 18, 1931
 Aug. 26, 1931—N 1/4 LOTS 6 AND
 7 Blk 68, Block Book of City of
 Monterey. Frank Vetrano to E
 H Sundberg. August 20, 1931
 Aug. 27, 1931—SPRINGFIELD
 School District, Monterey. Spring-
 field School Dist to R Pedersen Co
 August 24, 1931
 Aug. 29, 1931—LOT 12 BLK 2,
 Spazier Subdv, Pacific Grove. J
 W Shaney to whom it may con-
 cern. August 29, 1931

LIENS FILED

MONTEREY COUNTY

Recorded Amount
 Aug. 24, 1931—SAUSAL RANCHO,
 40.09 acres, City of Salinas. Tyn-
 nan Lumber Co vs E M Vail, Sa-
 linas Valley Ice Co and Frank
 Myers \$131.78
 Aug. 25, 1931—LOT B and N 1 1/4 ft.
 Lot C Blk 3, Sherwood & Hell-
 man's Map of Salinas City. Sa-
 linas Granite Constr Co, Ltd.,
 \$325.96 Salinas Planing Mill,
 \$1217.36; Anderson - Dougherty -
 Hargis Co, \$1500; Tynnan Lumber
 Co, \$3096.94; Salinas Electric Wks,
 \$1163.05 vs W M and James C
 Irvine and E F Reese
 Aug. 26, 1931—LOT B N 15 inches
 Lot C, Map of Salinas City, Sher-
 wood & Hellmans Addn. Farmers
 Mercantile Co vs William M and
 James C Irvine & E F Reese. \$81.80
 Aug. 26, 1931—LOT 5 BLK 1, C.
 Tognetti Subdv, Salinas City. W
 E North vs J E and Ethel Eckett
 and L Manning \$110
 Aug. - 1931—LOT 5 BLK 1, C. Togn-
 netti Subdv, Salinas City. Sa-
 linas Electric Works vs J E and
 Ethel Eckett \$140
 Aug. 27, 1931—SAUSAL RANCHO
 40.09 Acres, Salinas. Tynnan Lum-
 ber Co vs E M Vail; Salinas Val-
 ley Ice Co, Ltd and L Manning
 \$113.29
 Aug. 27, 1931—LOT B and N 15 in.
 Lot C Map of Salinas City, Sher-
 wood & Hellmans Addn. Habenicht
 & Howlett, \$692.50; Tynnan Lumber
 Co & Salinas Planing Mill, \$1217.35
 vs William M and James C Irvine
 and E F Reese

RELEASE OF LIENS

MONTEREY COUNTY

Recorded Amount
 Aug. 19, 1931—SUBDVS G AND H
 of Lot 2 on S side of Market St.,
 Salinas City. Tynnan Lumber Co
 to A Iwashige \$2541.47
 Aug. 19, 1931—S MARKET ST., Sub-
 G and H of Lot 2, Salinas City.
 Anderson, Dougherty, Hargis Co
 to Asa Iwashige and Fred Mc-
 Crary \$767
 Aug. 25, 1931—RANCHO EL SAU-
 sal (8.17 acres), just outside Sa-
 linas. W F Sechrest Co to Frank
 and Wilma Perry and I T Pope
 \$121.05

BUILDING PERMITS

STOCKTON

DWELLING rustic, 6-room and ga-
 rage, \$3975; No. 1012 W-Elm St.,
 Stockton; owner, F. P. Dohson,
 1150 W-Harding Way, Stockton.
DWELLING, brick veneer, 6-room
 and garage, \$5000; No. 1020 West
 Flora St., Stockton; owner, T. E.
 Williamson, 1859 W-Park Ave.,
 Stockton.
RESIDENCE, brick veneer, 6-room
 & garage, \$4500; No. 136 Stadium
 Drive, Stockton; owner, E. C.
 Giles, 121 Knowles Way, Stockton.
DWELLING, stucco, 5-room and ga-
 rage, \$3500; No. 1535 West Poplar
 St., Stockton; owner, Mrs. C. T.
 Feaver.
DWELLING, brick veneer, 7-room,
 \$6436; No. 1765 W-Walnut St.,
 Stockton; contractor, H. E. Vick-
 Franken, 1st National Bank Bldg.,
 Stockton; owner, Edward Van
 Roy.
DWELLINGS (2) 4-room and garages,
 \$3600 each; 1028-32 N-Madison St.,
 Stockton; owner, Anna F. Griffin,
 Sonora Road, Stockton; contractor,
 Art Towne, 526 E-Main St.,
 Stockton.

DWELLING, 4-room and garage, \$3900
No. 1030 N-Madison St., Stockton;
owner, Anna F. Griffin, Sonora
Road, Stockton; contractor, Art
Twene, 526 E-Main St., Stockton.
INDUSTRIAL building, one-story,
\$12,000; No. 340 W-Scotts Ave.,
Stockton; owner, Fraser Furnace
Co., 445 E-San Joaquin St., Stock-
ton; contractor, T. E. Williamson,
159 W-Park Ave., Stockton.
DWELLING, 3-room and garage, \$2900
No. 1034 N-Madison St., Stockton;
owner, Anna F. Griffin, Sonora
Road, Stockton; contractor, Art
Twene, 526 E-Main St., Stockton.
DWELLING, brick veneer, 6-room &
garage, \$4500; No. 136 Stadium
Drive, Stockton; owner, S. C.
Giles, 121 Knowles Way, Stockton

COMPLETION NOTICES

SAN JOAQUIN COUNTY
Recorded Accepted
Aug. 31, 1931—LOTS 1 AND 2 BLK
13, Sperry's Addition, City of
Stockton. Silvio V Morando to
whom it may concern. Aug. 27, 1931
Aug. 26, 1931—LOT 12 BLK 2, Lake-
view. J M Heisterbrand to whom
it may concern. Aug. 18, 1931
Aug. 26, 1931—N EL DORADO ST.,
bounded on S by Bridge St.; on N
by Channel St.; on W by El De-
rado St. and E by alley, Stock-
ton. J F Vaughan and C E Shand
to whom it may concern. Aug. 14, 1931
Aug. 25, 1931—LOT 4 BLK 3, City
Park Terrace, Stockton. E Merlo
to whom it may concern. Aug. 21, 1931
Aug. 25, 1931—LOT 7 BLK 3, Lake-
view. E Merlo to whom it may
concern. Aug. 21, 1931

COMPLETION NOTICES

MARIN COUNTY
Recorded Accepted
Aug. 21, 1931 — CORTE MADERA.
T K Cunningham to C Roy Mar-
shall. August 20, August 20, 1931
Aug. 24, 1931 — MILL VALLEY.
Emma C Kett to whom it may
concern. August 1, 1931
Aug. 25, 1931—KENTFIELD. Marin
Union Jr. College District to Ed-
ward Jackson. Aug. 16, 1931
Aug. 25, 1931—SAN ANSELMO. Wm
Dwyer to whom it may concern. Aug. 25, 1931
Aug. 25, 1931—KENTFIELD. H J
Gibben to Wm S Kepple. August 20, 1931
Aug. 25, 1931—LARKSPUR. And-
rew Lindstrom to whom it may
concern. August 25, 1931

COMPLETION NOTICES

CONTRA COSTA COUNTY
Recorded Accepted
Aug. 22, 1931—LOTS 1, 2 AND 3,
San Pablo Cutting Junction Tract
and Lots 30 and 31, San Pablo Cut-
ting Junction Tract. J N Larson
and M Krogger to whom it may
concern. Aug. 21, 1931
Aug. 22, 1931—FRANKS TRACT.
American Beet Sugar Co to M A
Jenkins. Aug. 7, 1931
Aug. 24, 1931—LOTS 14 AND 15 BLK
27 and Lots 49, 50, 51 and 52
Blk 32, Richmond Junction Heights
Globe Securities Co, Ltd to whom
it may concern. Aug. 17, 1931
Aug. 24, 1931—N PTN LOT 15 BLK
25, Richmond Traffic Center.
Florence St. Pierce to whom it
may concern. Aug. 21, 1931
Aug. 26, 1931—SECTIONIZED PFTY
Described. Joseph J Silva to
Henry Oman. Aug. 21, 1931

LIENS FILED

CONTRA COSTA COUNTY
Recorded Amount
Aug. 24, 1931—LOTS 21, 22 AND 23
Blk 1, Subdivision Blk 1-W, Town
of Rodeo. Karl Stuckmann vs
Clara Della Rosa and John Gorge
\$6242.74
Aug. 24, 1931—LOTS 21, 22 AND 23
Blk 1, Subdivision of Block 1-W,
Town of Rodeo. W J Lyle vs
Clara Della Rosa and John Gorge
\$70
Aug. 24, 1931—LOTS 20, 21, 22 AND
23 Blk 1, Subdivision of Block 1-
W, Town of Rodeo. A C Saravia
vs Clara Della Rosa and John
Gorge \$787.70

COMPLETION NOTICES

SONOMA COUNTY
Recorded Accepted
Aug. 28, 1931—SE LIBERTY AND
Washington Sts., Petaluma. Asso-
ciated Oil Co to Vogensen Constr
Co. August 26, 1931
Aug. 29, 1931—PART LOTS 7 AND 8
Blk 3, City of Healdsburg. Chas-
and Alice Ritch to Athey & Young
August 28, 1931

BUILDING PERMITS

SACRAMENTO
SERVICE station and rest room.
\$3000; No. 1600 T St., Sacramento;
owner, J. Boyle.
RESIDENCE and garage, \$3750; No.
1008 Howell Ave., Sacramento;
owner, J. Pistakla.
RE-ROOF, \$2500; No. 2615 28th St.,
Sacramento; owner, Mrs. E.
Hitke, Premises.
RESIDENCE, 5-room and garage,
\$4900; No. 4116 T St., Sacramento;
owner, Peerless Security Co.; con-
tractor, Klein Realty Co., 1009 8th
St., Sacramento.
HOUSE, 7-room and garage, \$6000;
No. 2709 Tenth Ave., Sacramento;
owner, A. and L. B. Schwing,
2549 9th Ave., Sacramento; con-
tractor, A. Greeman, 4041 11th
Ave., Sacramento.
TRAINING building, \$34,500; 34th and
Y Sts., Sacramento; owner, Sacra-
mento City; contractor, Yoho &
Danger.
RESIDENCE, frame and stucco, 5-
room and garage; owner and con-
tractor, R. L. Hathaway, 720 Red-
wood Ave., Sacramento.
RESIDENCE, 7-room and garage,
\$4750; No. 309 Santa Ynez Way,
Sacramento; owner, T. Scott, 3349
Madison Court, Sacramento.
APARTMENTS (12) 2-story and ga-
rage, \$32,000; No. 3409 J St., Sacra-
mento; owner, L. Lindreth; con-
tractor, C. Thompson, 1720 38th
St., Sacramento.
OFFICE building, 2-story, \$63,390; No.
330 N St., Sacramento; owner,
California Fruit Exchange; con-
tractor, Azueto & Sarmento, 920
O St., Sacramento.
RESIDENCE, 5-room & garage, \$4000;
No. 740 46th St., Sacramento;
owner, A. Black, 3090 37th St.,
Sacramento.
RESIDENCE, 6-room and garage,
\$4000; No. 3918 35th St., Sacra-
mento; owner, O. H. Moore, Prem.
contractor, E. H. Bell, 3254 Mar-
shall St., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY
Recorded Accepted
Aug. 23, 1931—LOT 93 McKinley
Blvd Tract No. 2, Sacramento.
Charles H Thompson to whom it

may concern. Sept. 26, 1931
Aug. 28, 1931—LOT 130 McKinley
Blvd Tract No. 2, Sacramento.
Thomas A Scott to whom it may
concern. August 24, 1931
Aug. 24, 1931—LOT 19 BLK 9, Maple
Park, Sacramento. Zua Gilkey to
whom it may concern. Aug. 24, 1931

LIENS FILED

SACRAMENTO COUNTY
Recorded Amount
Aug. 28, 1931—LOT 295, Cities
Heights Addition No. 3, Sacra-
mento. R M Stokesberry vs Marie
and A L Russell \$274.40

BUILDING PERMITS

FRESNO COUNTY
DWELLING and garage, \$4000; No.
1421 Roosevelt Ave., Fresno; own-
er A. F. Lambert.
DWELLING and garage, \$3000; 125
Alhambra Avenue; owner, A. M.
Chitty, 402 Glenn.
ALTERATIONS and additions, \$2700;
No. 623 Cambridge Ave., Fresno;
owner, Mr. Olsen, Premises; con-
tractor, F. J. Stone, Mason Bldg.,
Fresno.

COMPLETION NOTICES

FRESNO COUNTY
Recorded Accepted
Aug. 28, 1931 — TULARE ST., Fres-
no. Southern Pacific Co. to Valley
Paving & Constr Co. Aug. 17, 1931
Aug. 25, 1931—LOTS 9 AND 10 BLK
65, K. B. Heights, Fresno. L
Lamanuzzi to whom it may con-
cern. August 24, 1931
Aug. 29, 1931—LOT 48 BLK 3, Stiv-
ers Terrace No. 3, Fresno. Taylor-
Wheeler Inc to whom it may con-
cern. August 28, 1931

Action designed to further accuracy
of valuations set by real estate ap-
praisers was taken last week by the
Boston Real Estate Exchange. Here-
after all members of the Exchange
testifying in court as to the value of
property must furnish, to the Ex-
change, complete data supporting their
conclusions which will be available to
the public.

The provision was added to the
rules and regulations governing mem-
bership in the Exchange for the pur-
pose of establishing and authenticity
and accuracy of appraisals made by
Boston Realtors by making it pos-
sible for their opinions to be com-
pared and discussed.

Its further purpose is to wipe out
the feeling of the public that all ex-
pert testimony, medical and engineer-
ing, as well as real estate, is employed
to serve the side from which the
remuneration is received. The Boston
Exchange wants all concerned to un-
derstand that reality appraisal is a
highly technical business and that the
qualified men engaged in it, when
called into court, give opinions based
on their training and experience.

The Exchange believes that the pub-
lic will understand that the appraiser
has checked his opinions carefully and
has great confidence in his statements
if he will put them in writing, as he
is now required to do, and place them
in the public archives of his profes-
sional organizations for all the world,
including his own fraternity, to see.

Roy Butcher and family—five in
all—purchased the first northbound
tickets for the newly-inaugurated air
service of the Century Pacific Lines
out of San Jose. The flying trip
ended at San Francisco.

ENGINEERING SOCIETIES EMPLOYMENT SERVICE

Further information regarding positions listed in this column is obtainable from Newton D. Cook, Room 715, 57 Post Street, San Francisco. (Phone Sutter 1684).

R-3598-S CHIEF DRAFTSMAN, mechanical engineer with at least five years experience in the employ of a company manufacturing conveying machinery as designer or engineer. Production experience in this line absolutely essential. Salary depends upon experience. Apply by letter with details and salary expected. Location, San Francisco.

W-3039-C-S (K-380) CHIEF CHEMIST for sugar plant, to take charge of field and factory laboratory. Man experienced in agricultural chemistry as well as plant control preferred. Salary, \$300 a month and board and transportation. Apply only by letter. Location, South America. Headquarters, New York.

R-3637-S HYDRAULIC ENGINEER, competent to design deep well turbine centrifugal pumps. Must be up-to-date in theory and practice as position requires a chief engineer. Apply by letter with experience and salary expected. Location, Northern California.

W-2820 PUMP ENGINEER for pump manufacturing concern for technical and commercial development work. Applicants should be highly qualified and must have had successful sales and engineering record with pumps. Apply only by letter, giving full qualifications and references as well as salary desired. Location, East.

W-2891-C-S (K-375) CIVIL ENGINEERS with considerable experience in design and construction of buildings for round houses, back shops, car shops, and other railroad industrial buildings. Must have at least ten years' experience in this line. Salary \$500-\$600 a month less income tax. Twenty-five to thirty per cent in American money and balance in rubles for living expenses. Transportation furnished. Apply only by letter. Locations, Leningrad, Kharkov and Ural.

R-3609-S INDUSTRIAL ENGINEER, 30-35 years old, technical graduate, with manufacturing experience including time studies, rate setting and handling problems of labor cost. Must have organizing ability, initiative, tact and abundant energy. Apply by letter giving experience, education and general qualifications, with photo. Salary open. Location, Pacific Coast.

R-3645-S ENGINEER, experienced in problems of industrial management and qualified to make surveys and reports looking to improved operating efficiency, to associate with a C. P. A. in establishment of an office. Partnership not contemplated unless mutually agreeable after

BUSINESS OPPORTUNITIES

Names and addresses of persons or firms concerned in the following opportunities will be furnished on request to Business Opportunity Department, Daily Pacific Builder, 547 Mission St., San Francisco, or phone Garfield 8741.

21331—Representation. St. Thomas, Virgin Islands. Commission merchants are desirous of contacting exporters of aluminum ware.

21345—Representation. San Francisco. Party returning September 3rd to Australia is interested in representing local manufacturers of labor saving devices.

Mr. V. P. McCurdo, Luckenbach S. E. Co., 310 Sansome St., San Francisco, represents a manufacturer of a lawn chair who wishes to secure representation on Pacific Coast.

Kerry Manufacturing Co., 148 West 23rd St., New York City, has facilities for handling any local products on commission basis.

Mr. Emory Roth, General Manager, The Merchandise Exchange, 30 N. Dearborn St., Chicago, Ill., wishes to represent manufacturers of this territory.

Mr. Raymond Aitken, Sales Manager, The Soundex Corp., 612 N. Michigan Ave., Chicago, Ill., manufacturers of acoustical and sound insulating materials wish to secure distributor for their products in this territory.

The Eagle Lock Co. of Terryville, Conn., employing more than 2000 persons last Saturday posted notices of a 20 per cent reduction in wages to employes working on the hourly basis, and a 22 per cent reduction to employes on piece work, effective September 1st. The management also announced cancellation of all benefits under a group insurance plan which has been in effect for several years.

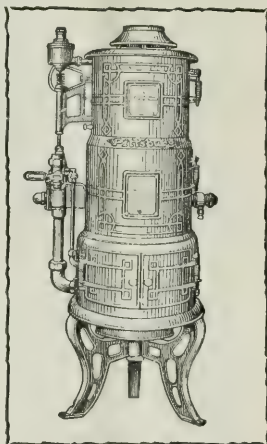
George Israel, secretary-manager of the Pasadena Builders' Exchange, in his weekly bulletin announces the visit of a representative of the State Department of Professional and Vocational Standards which department is charged with enforcement of the contractors' license law.

"The purpose of the department," says John V. McGinnis, the representative referred to, "is not to use the big club of the Law on straight forward, well-meaning contractors who happen through general conditions to get into a jam, and further all complaints must bear the earmarks of infraction where the Law has been disregarded."

"The Department fully realizes that every man must make a beginning and gives little consideration to his bank balance and the square shooter, the man who fully understands and realizes when he assumes the responsibility to taking a contract that the second party to the contract is entitled to the assurance that the contractor will carry out his obligations, this is the condition the Law would establish and the Department is behind this condition and will enforce the Law to the letter."

"The Department takes the interpretation of the Law to mean that it would be just as logical to allow thieves and murderers to run at large, as it is the scheming unreliable, non-bill paying, irresponsible, calling themselves contractors."

"The Law is after the class of contractors who habitually do not meet their legitimate obligations and fulfill their contracts according to plans and specifications. No man whose heart is in the right place need have fear of the Contractors' License Law, but—the unsuspecting building public, the widows, and over confident builder of a home will and must be protected, and in this protection, the building industry will take on an importance such as it has never known both within its rank, and with the citizenry of California."



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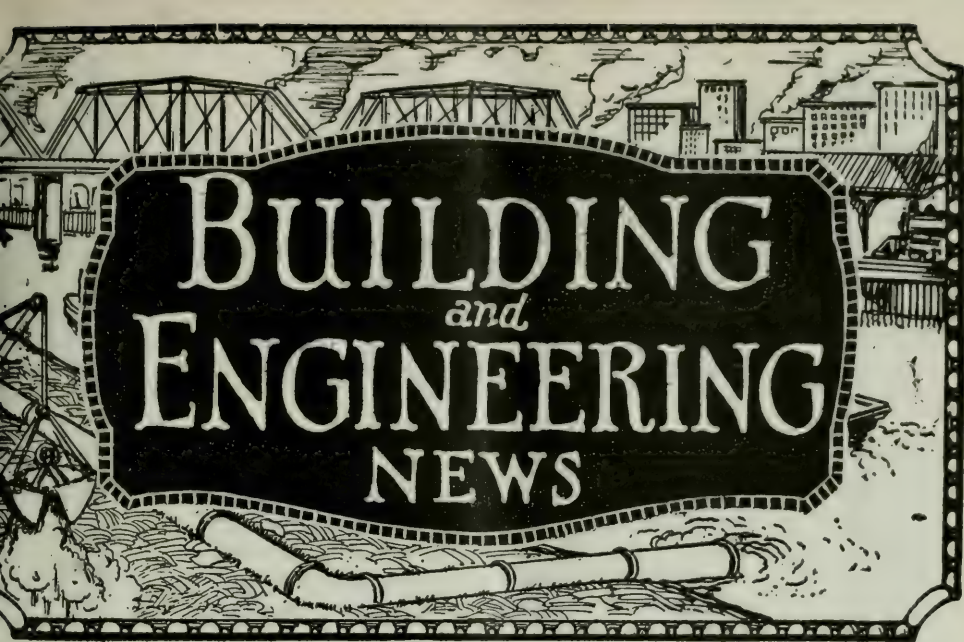
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478 Sutter St., San Francisco

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A comprehensive, sixty page, indexed "Primer" for the study of those who wish to be licensed as real estate brokers, has been prepared under the auspices of the Colorado Real Estate Brokers Board. The book which contains explanations of many of the subjects which should be understood by those engaged in the realty business, was prepared by Professor Leo V. Aspinwall of the Extension of the University of Colorado. It contains material taken from the educational courses prepared by the National Association of Real Estate Boards.



Publication Office
547 Mission Street

SAN FRANCISCO, CALIF., SEPTEMBER 12, 1931

Published Every Saturday
Thirty-fifth Year, No. 37

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Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

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Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

STATE EXCHANGE MEETING IS SET

Preliminaries are being completed for the annual convention of the California State Builders' Exchange to be held in San Luis Obispo, September 25-28, it is announced by William T. Loesch, president of the organization, who with George W. Israel, secretary of the state body, is conferring with the various exchanges throughout the state with a view to securing a one hundred per cent representation. The San Luis Obispo County Builders' Exchange has appointed a committee to outline a business program in addition to a program of entertainment for delegates and their guests.

"In addition to recently adopted legislation affecting the construction interests, many matters of importance are to be discussed with a view to promoting better conditions in the building industry," says President Loesch. "Further, at this meeting a new board of directors is to be elected who in turn will choose officers to serve during the coming year. It is important that a representative showing be made by the various builders' exchange with a view to selecting members of the industry who will perform all the duties that such offices demand if anything is to be accomplished by the state organization. Indications are that business is commencing to become active, especially in the home building field, which is one of the surest signs of business activity."

LUMBER MEET TO BE HELD AT DAVIS

The third annual lumbermen's convention will be held at the University of California Branch of the College of Agriculture at Davis on September 19, according to announcement of Prof. H. B. Walker, head of the agricultural engineering division. The sessions will be held, as before, in the auditorium of the Agricultural Engineering building.

Lumber dealers from the Sacramento Valley, the Central counties, the San Francisco bay and northern counties, will participate in the convention, which will be much in the nature of a short course.

While many phases of farm building problems will be discussed, the principal topics of discussion will be interior and exterior plaster and stucco.

Earl B. Bremer, who has been located for thirteen years in the Chicago Office of the Westinghouse Electric & Manufacturing Company, recently as manager of small motors section, has been appointed manager appliance electrification with headquarters at East Springfield, Mass., according to a statement by Fred T. Whiting, northwestern district manager.

CEMENT ASSOCIATION OFFICES ARE CLOSED

District offices in San Francisco of the Portland Cement Association, located in the Humboldt Bank Building, have been closed indefinitely.

The San Francisco offices were operated under the direction of Arthur P. Denton as district engineer.

Reasons for closing the offices were not disclosed by Mr. Denton who referred requests for information to the Chicago offices of the association.

Efforts to secure particulars from the Chicago offices of the Portland Cement Association by telegram failed. Local cement manufacturers refused to discuss the matter.

L. A. WILL BAN PATENTED PAVING

The Los Angeles board of public works is seeking to ban the use of patent paving on the streets of the city. The board has passed a resolution rescinding the license agreements of six patent paving firms, to be effective six months after the city council and the mayor approve the resolution.

The resolution contains the following statement: "It is the opinion of the board that none of the patented pavements mentioned is better than unpatented pavements."

WAGE CUTTING HIT BY P. G. COUNCIL

The Pacific Grove city council has adopted a resolution condemning the practice of the Ward Engineering Co. of San Francisco, contractors on the Mill Creek bridge in Monterey county, a project for the State Highway Commission.

The company, it is said, is paying less than the "going scale" for labor and the resolution of the council urges that the State Department of Public Works "use its good offices to boost the wage scale."

The resolution pointed out that the contractor is apparently taking advantage of unemployment to cut wages and cited the new state law which requires contractors on public works to keep wages up. The Ward contract was let before the new law became effective. Six councilmen voted for the resolution. The mayor, Julia B. Platt, voted against it.

The New York Stock Exchange has received notice from the Alpha Portland Cement Co. of a proposed decrease in capital represented by common stock from \$24,134,500 to \$18,486,000.

PRIVATE ARCHITECTS URGED ON GOV'T WORK

In view of the desirability of prompt action in getting government building work under way, and in view of alleged inability of the office of the supervising architect of the U. S. Treasury to handle this work expeditiously, a committee of the Minnesota Federation of Architectural and Engineering Societies has made a report urging the government to extend the practice of utilizing the service of engineers and architects in private practice to design public buildings and other structures, Engineering News-Record reports.

In such cases the government departments would undertake approval of the plans or designs and supervision of the construction. It is pointed out that although the supervising architect's office is unable to handle the great amount of work expeditiously, only a few of the many projects have been assigned to architects and engineers in private practice.

It is argued that concentration of such designing at Washington tends to discourage individual initiative and to check progress. Furthermore, since the rapid prosecution of work on these structures is intended to relieve the unemployment situation, it is desirable that there should be increased employment for engineers and architects as well as for contractors and workmen.

Wage Scale Opinion Rendered by Attorney

Because the resolution of intention was adopted before the new state law on alien labor and wage scale on public works became effective the Pacific Grove city council has been advised not to fix wages to be paid by contractors when bids for the paving of 11 streets are called later this month. Kirkbride, Wilson and Brooks, bond attorneys, in a letter to the council agreed with the city attorney's opinion that the wage scale should not be included in these proceedings.

The letter also cast some doubt on the constitutionality of the law requiring that wage scales should be fixed in street proceedings where property owners are to be assessed. The point raised is that such a provision might increase the cost of the improvement to the property owner without giving him a voice in the matter. Campbell disagreed with this stand giving his opinion that all proceedings in the future must include a clause fixing the prevailing wage scale to be paid by the successful contractor.

Campbell pointed out, however, that the council can be "moral suasion" keep the wages of workers on the street paving program up to a fair level.

MODERN PLANT FOR "BODEMIX" CONCRETE NEARING COMPLETION

A new plant to produce "Bodemix" certified concrete is being completed by Bode Gravel Company adjacent to their bunkers at 16th and Alabama Streets, San Francisco.

The new plant is equipped with modern facilities for the manufacture of quality concrete of any texture, strength, maximum size of aggregate, and consistency of mix which might be required for mass, paving, structural, architectural and special purpose concretes.

There are eight aggregate bins having a total capacity of 24 cars. This will permit the use from one to eight size separations in the mix, depending upon the maximum size required, and provides for perfect gradation of particle sizes for concretes of maximum density impermeability, workability, etc.

There are two cement silos having a total capacity of 210 tons providing for use of any brand of cement which might be required.

Cement is delivered to the plant in bulk and is handled from the cars to the silos by a Fuller-Kinyon pump such as used in modern cement plants.

The concrete materials are all weighed in a unit weighing batcher with separate compartments for aggregate, cement, and water, respectively.

The weighing mechanism is one of the most modern types consisting of a Krone lever system and Krone head with 36-inch dial. Operation of the compressed air mechanism for the bin and silo gates, in conjunction with the weighing mechanism, is full automatic electrically controlled and recording, the weight of each ingredient is automatically recorded and printed by the control and recording mechanism, thus providing the buyer of concrete with an accurate record of each batch.

The weighed batch is discharged into a Rex drum type mixer for the purpose of re-shrinking the batch before discharging into a truck mixer.

Rex mixer trucks of 3 cubic yards capacity are employed to mix the concrete in route and deliver to the job.

Appreciating that the manufacture of quality concrete correct in yield, strength and slump depends upon constant laboratory tests of materials and mixtures, a laboratory for physical tests of materials and mixtures is an important part of the plant facilities.

In line with practice of the larger plants in the East, an independent firm of experts in concrete technology has been engaged to maintain laboratory control at the plant and to certify to the quantity and quality of production.

of the United States Department of Labor's mediation board on the question of the wage scale that is to maintain in the city and county of San Francisco for building trades workmen during the year 1932."

LUMBERMEN WILL CONVENE IN OAKLAND

Oakland has been selected as the 1931 convention city by the California Retail Lumbermen's Association.

It will convene November 19, 20 and 21 and will bring 500 delegates representing 1500 lumber yards in all parts of the state, as well as 200 delegates from the allied products, such as roofing, wallboard and paint industries. It is planned to hold the sessions in the Hotel Oakland.

Following is the personnel of the state board of directors of the Association: President H. A. Lake, Garden Grove; Earl Johnson, Pasadena; Francis E. Boyd, Santa Barbara; Ross Blanchard, Hollywood; L. R. Byers, Ventura; Paul Hallingby, Los Angeles; A. J. Stoner, Sawtelle; E. T. Robie, Auburn; S. E. Dalton, Oakland; A. L. Hubbard, San Jose; Elmore King Eakensfield, E. Dean Prescott, Fresno; Joseph Kirk, San Luis Obispo; George Lely, Santa Cruz; H. L. Chadbourne, Salinas; Merle Bishop, Watsonville; J. B. McKeon and D. C. Essley, Oakland.

CALIFORNIA FIRMS GET 5% PREFERENCE

Among the new California laws affecting the construction industry which became effective August 14 was one relating to preference on public contracts and furnishing supplies. This was Assembly Bill No. 909 by Mr. Yost, now known as Chapter 632, statutes of 1931. This law is a new section in the Political Code, numbered 3236, and provides that county supervisors, school boards, city councils and other public boards and officers may in their discretion give preference in awarding contracts for public works, materials and supplies to California firms and products up to 5 per cent of the amount of the lowest bid offered by firms outside the state. Following is the text of the new law:

The people of the State of California do enact as follows:

Section 1. A new section is hereby added to the Political Code to be numbered 3236 and to read as follows:

3236. It shall be discretionary with all county boards of supervisors, school boards, city councils, and all other public officers, boards and commissions, charged or which may in the future be charged under the law with the letting of contracts for public work, or with the construction of public bridges, buildings and other structures, or with the purchase of materials and supplies for any public use, to give such contracts and to purchase such materials and supplies from persons and concerns, manufacturing same in the State of California; provided, that the bids of such persons or concerns, or the prices quoted by them, shall not exceed by more than five per cent the lowest bids or prices quoted by persons and concerns manufacturing the same elsewhere, and when in their opinion the public good will in any way be served thereby; provided, however, that no goods and material shall be entitled to above preference in which the major portion of the work of manufacturing same shall be done outside the State of California.

Maris Plywood Co. of San Francisco, has been incorporated. Directors are H. B. Marks, W. J. Nicholson and W. I. Rawlings.

UNION LABOR WILL REFUSE TO RECOGNIZE IMPARTIAL WAGE BODY

The San Francisco Building Trades Council has adopted a resolution declaring it will "only abide by the U. S. Department of Labor mediation board on the question of the wage scale that is to prevail in San Francisco for the building trades during 1932."

The resolution was adopted following the announcement of the Industrial Association of San Francisco that an impartial wage board would be promulgated in the immediate future to consider a revised scale to become effective January 1, 1932.

At the same time, directors of the San Francisco Builders' Exchange, informed the Industrial Association "that the wage established by the Impartial Wage Board in 1928, is not actually in effect, and further, that the scale is not and cannot be enforced." The exchange directors urged that a new wage board be convened at once so that a new wage award may issue.

Frank MacDonald, president of the California State Building Trades Council, introduced the resolution to abide by the decisions of the U. S. Department of Labor's mediation board. The resolution was adopted by a rising vote.

The text of the resolution is published herewith:

"Whereas, the Industrial Association of San Francisco has publicly announced its intention of instituting a wage board to determine the wage scales for the year 1932 that will be paid to building trades workmen who are not employees of the Industrial Association or of its wage board; and

"Whereas, the Industrial Association denies the right of building trades workmen to enter into wage agreements or union agreements with their employers; and

"Whereas, such actions of the Industrial Association of San Francisco are in fact an invasion and attempted abrogation of the constitutional rights of the citizen workmen, who are members of the Building Trades Council of San Francisco, that cannot and will not be recognized in any manner, shape or form by the Building Trades Council of San Francisco or its membership; and

"Whereas, the people of the United

States of America, by and through an act of the Congress of the United States of America have created a department of mediation of the United States Department of Labor and clothed that department with the power and authority to act as federal mediators in disputed questions arising between employers and employees; and

"Whereas, a minority group of building trades employers have questioned and challenged the fairness of the building trades wage scale in effect in the city and county of San Francisco, now therefore be it

"Resolved, by the Building Trades Council of San Francisco, the duly authorized and chartered representative in San Francisco county of the American Federation of Labor and building trades department thereof, in regular session assembled this 3rd day of September, 1931, that we hereby protest against the attempted unjust discriminatory invasion of our constitutional rights, and

"Be it further resolved, That as a guarantee of the sincere desire of the members of the Building Trades Council of San Francisco to have order, peace and lawful procedure maintain in the building industry of San Francisco, we hereby publicly agree to submit to and abide by the decision

THE OBSERVER

What He Hears and Sees on His Rounds

Federal Trade Commission, Washington, D. C., has announced the acceptance of trade practice conference rules for the following industries: Cut stone, crushed stone, face brick, steel window manufacturers and steel fabricators.

"Economic revival depends on the location and application of some new field for world economic activity. Unless we have courage and foresight to locate and utilize new fields of economic activity, business will continue to lag until it works its way out by slow and further distressing natural processes. The greatest immediately available undeveloped natural resources in the world today are located within the boundaries of the Soviet Union. I have no hesitancy in predicting an annual sale of goods to Russia of at least \$3,000,000,000 if the outside world will consider this trade opportunity on sound economic principles," says Hugh L. Cooper, consulting engineer and president American-Russian Chamber of Commerce, New York City.

The national wage scale published by the Builders' Association of Chicago annually is about ready for distribution. This national scale issued since 1904 contains the present hourly wage rates of building mechanics and laborers in 130 principal cities of the United States and Canada. In determining labor rates throughout the country, the Federal Government is said to use it as a guide.

An experiment in convention holding that will be watched with interest by members of trade associations generally is the proposed joint meeting of the National Association of Sheet Metal Contractors with the United Roofing Contractors Association and the Roofing Division of the National Slate Association. This three-in-one annual convention is slated for the week of January 25, 1932, at the Brown Hotel in Louisville, Ky. It is the first attempt at "bunching-up" three conventions of similar interest, so far as we know, in the history of trade associations. Many of the sheet metal contractors do composition roofing as well; some of the roofing contractors are sheet metal contractors also, and nearly all the slate roofers are interested in other branches of the roofing trade.

The chaotic condition of the labor market in the bay section is causing the Merchant Plumbers Association of Alameda County concern these days, says the Western Plumbing & Heating Journal. Work is so scarce that men are offering to work for almost any wage. This condition, coupled with the instability of the material market, makes the effort to do business profitably most uncertain.

The inequalities in the wages paid, particularly in shops which do a repair business, have created a very critical situation for the older established shops. The hourly charge for labor on repair work varies from \$1.00 to \$2.00.

Because of these difficulties, the Alameda County Association's Conference Board is meeting with the committee of Local Union No. 444, Journeymen Plumbers. It is possible that out of these conferences will

come a revision of the journeymen's wage scale from \$10.00 per day to \$8.00 per day.

The Conference Board of the Alameda County Association consists of W. H. Meard, J. A. Freitas and J. W. Rankin.

Michigan has passed a law making it a felony for a contractor, who with intent to defraud, retains or uses the proceeds of any payment made to him on a job for any other purpose than to pay laborers, sub-contractors and material men engaged by him on the job so long as any payment for these purposes is due or will become due. Any contractor convicted of violating this law shall be punished by a fine of from \$100 to \$500 and not less than 6 months nor more than 3 years in a state prison.

An order in council has been passed by the Ontario Government by which architects are prevented from accepting remuneration for work performed by them from any source other than from the client for whom the service is rendered. Commissions from contractors may not be paid to architects. An architect must not accept work that has already been touched by another architect without first advising him, according to the order.

It is often said that a man who is a tireless worker for his business organization does not need a publicity agent to place him on the highest pinnacle with a lot of bla-bla—and such it is a faithful plunger and is out to benefit the particular line of business in which he is engaged—and those associated with it—the fact is known to all without the aid of publicity.

That may be true. However, we cannot say that it applies in this big state of California. It takes in too much territory and, in this particular instance, too big an industry. Down in the southern section, less than five hundred miles from here, the building industry has two tireless workers. Two men who are promoting good will in the building industry. Two men who can intelligently discuss those problems that need unified discussion to affect a cure. These men know the ailments of the building business. They are constantly experimenting, through discussions, with varied interests, possible ways and means to wipe out the "fevers" and "pains" which have been so common in the construction business during the depression period—and before that.

Recently they made a state wide tour, visiting Builders Exchanges with a view to securing one hundred per cent representation at the annual meeting of the California State Builders' Exchange to be held this month in San Luis Obispo, stressing the need of a general meeting to promote better conditions.

True, there are others in the industry who are tireless workers seeking to benefit conditions for themselves as well as their fellow workers. Yea, there are, probably, many of them.

However, in this particular instance, we throw the laurels to William P. Loesch, president of the California State Builders' Exchange and Geo. W. Israel, secretary of the same organization, who hail from that little metropolis down in sunny Southern California—Pasadena.

ALONG THE LINE

Ralph J. Reed, consulting engineer of Los Angeles, has been appointed a member of the board of registration for civil engineers by Governor James Rolph. Mr. Reed succeeds Donald M. Linker of Los Angeles, whose term expired. Mr. Baker has been president of the board since its organization in October, 1929.

J. M. Felknor, county road engineer for Colusa County, has been named county purchasing agent and will combine the two offices, cutting the cost to the county of maintaining two separate offices.

Plans for the 25th annual convention of the Washington State Association of County Commissioners and the County Engineers' Association of Washington, are being completed. The convention will be held at the Hotel Davenport, Spokane, September 24 to 26, inclusive.

Capt. Ralph Ober, 60, designer of the Aurora bridge and other public works in the Pacific Northwest, died in a Seattle hospital, last Sunday, from a brain hemorrhage. Captain Ober was affiliated with the engineering firm of Jacob & Ober and had been prominently identified with many of Seattle's largest engineering projects.

Kalman Steel Corp., recently taken over by the Bethlehem Steel Corp., has announced the appointment of the following officers: Paul Mackall, president; George E. Routh, Jr., vice-president, sales; Quincy Bent, vice-president, operations; R. E. McMath, vice-president and secretary; Robert Young, treasurer; F. A. Shick, comptroller; Charles R. Holton, purchasing agent. A. P. Clark continues as general manager of sales. Virtually the entire selling organization of the former company is retained; head offices will be at Bethlehem, Pa.

Contra Costa County Central Labor Council, meeting in Richmond, last week endorsed the proposed five-day week and six-hour day, in answer to a questionnaire propounded to all local labor unions by the American Federation of Labor. The national organization is desirous of obtaining general sentiment on the question, which will be considered at the federation meeting in Vancouver in October.

The first annual Building Materials Exhibit to be held under the auspices of the Chamber of Commerce at Riverside, Calif., will open October 5 to continue for five days. G. Stanley Wilson, Riverside architect, is chairman of the exhibit committee. An architectural exhibit will be a feature of the show.

Changes in the city ordinance dealing with the licensing of contractors will be asked by the Builders' Exchange of Eureka, it is announced by W. A. Graham, president of that organization. Graham declares the present ordinance, promoted by the contractors themselves, is unsatisfactory and does not comply with the recent amendments to the contractors' state license law.

Directors of the National Association of Real Estate Boards will meet in Chicago on November 6 and 7, following a session to be held in the same city by the executive committee that will meet on November 5.

The Durabilt Steel Locker Co. of Aurora, Illinois, has announced new officers: B. D. Kaser, president and general manager; V. C. Kaser, vice-president; H. S. Hatch, treasurer and manager of sales; W. H. Graham, secretary. Mr. Kaser was formerly secretary-treasurer and was elected to the presidency following the resignation of C. W. Kilian on account of ill health.

Preliminary steps seeking the formation of a Santa Clara County branch of the Associated General Contractors of America, are underway, according to W. L. Howe, secretary of the Builders' Exchange of Santa Clara County.

Alabama will vote next November on a proposal to issue \$25,000,000 in bonds for highway construction and emergency repairs, to be repaid by a 1c addition to the gasoline tax.

Ray H. Arnold, former general contractor of Los Angeles and for many years head of the Alta Planing Mill Company in that city, died in the Southern metropolis August 19. He left an estate of \$7,000,000. During the world war Mr. Arnold undertook considerable construction for the Federal government. After the war he resided in Washington, engaging in realty subdivision and private banking. He retained extensive property interests in Los Angeles.

Del Monte Properties Co., has discontinued its architectural department. W. O. Raiguel, who has been in charge of the department for the past five years, will continue to practice architecture on the Monterey Peninsula, retaining his offices at the Hotel Del Monte. He will act as supervising architect for the Del Monte interests. Mr. Raiguel was recently commissioned to prepare plans for the proposed \$155,000 Monterey post office.

The Canadian National Railways is experimenting with aluminum paint on refrigerator cars. As a result of recent tests, it has been found that the outer temperature of a car-roof covered with aluminum paint is 10 deg. F. lower than that of a roof colored the customary "box-car red." Two new refrigerator cars have been painted entirely in the new manner. Aluminum paint has been used to some extent on railway passenger coaches in this country. Some time ago, the Southern Pacific had a train of cars covered with this paint to reduce temperature. The Pullman Car Co. also has been making experiments.

All of the manufacturers of welded chain who have accepted simplified practice recommendation No. 100-29 have recently expressed their intention to identify the simplified lines in their new catalogs and trade lists, according to an announcement by the division of simplified practice of the National Bureau of Standards. This plan is designed to assist buyers in maintaining close adherence to the waste elimination program. Co-operation by purchasing agents, architects, contractors, and other users greatly increases the benefits and economies possible through simplified practice. The welded chain industry is the first to record 100 per cent identification in the catalogs of accepted manufacturers.

\$11,615,517 IS PACIFIC COAST BUILDING TOTAL IN AUGUST

The following is a compilation of building permit statistics for the month of August, 1931, and August, 1930, for comparative purposes, covering Pacific Coast cities, as reported by building department executives in the cities named.

CALIFORNIA

City	August, 1931 No.	Cost \$	August, 1930 \$
Alameda	53	20,945	102,515
Albany	39	44,165	32,570
Alhambra	52	64,500	163,325
Anaheim	19	19,259	24,800
Bakersfield	31	36,865	63,695
Berkeley	121	199,354	161,347
Beverly Hills	60	324,173	536,150
Burbank	18	27,418	57,175
Burlingame	16	34,900	74,010
Carmel	4	4,650	47,630
Chula Vista	9	8,100	20,665
Colton	3	500	6,100
Compton	22	32,550	26,865
Coronado	11	2,645	29,713
Eureka	25	18,830	36,200
Fresno	84	69,046	96,895
Glendale	103	264,155	375,140
Hayward	5	1,100	35,508
Huntington Park	32	47,360	79,475
Inglewood	33	44,115	61,175
Long Beach	421	302,060	1,201,535
Los Angeles	2219	3,069,847	6,494,577
Los Gatos	3	5,325	11,880
Lynwood	10	8,300	46,800
Modesto	21	20,525	56,990
Monrovia	27	8,300	18,611
Montebello	10	2,850	5,435
Monterey	18	27,172	9,795
Oakland	290	371,095	763,925
Oceanside	9	3,695	4,475
Ontario	17	74,045	20,450
Orange	26	17,211	7,030
Pacific Grove	19	23,130	111,583
Palo Alto	56	149,325	89,155
Palos Verdes Estate	2	12,750	15,000
Pasadena	325	195,263	431,911
Petaluma	4	7,175	64,675
Piedmont	11	44,803	19,452
Pomona	54	40,867	81,374
Redwood City	29	43,232	87,350
Sacramento	279	279,159	219,029
Salinas	32	37,738	49,425
San Bernardino	37	50,600	670,170
San Diego	314	483,330	511,376
San Francisco	588	1,992,305	1,242,928
San Gabriel	10	19,825	55,271
San Jose	66	128,490	389,055
San Mateo	29	76,415	165,325
Santa Ana	67	24,038	356,936
Santa Barbara	77	121,245	479,775
Santa Cruz	30	21,090	125,619
Santa Monica	57	90,250	177,523
Santa Rosa	10	87,945	24,150
South Gate	38	22,315	55,050
Stockton	61	90,921	106,005
Torrance	5	2,285	12,695
Ventura	9	10,010	39,200
Vernon	36	36,715	26,487
Watsonville	20	16,470	50,000
Willow Glen	14	42,750	66,500
Total	5696	\$ 9,346,466	\$15,732,449

ARIZONA

Phoenix	42	\$ 82,933	\$ 130,718
Tucson	75	37,760	220,593

IDAHO

Boise	66	\$ 24,446	\$ 39,878
Lewiston	15	28,760	17,650
Nampa	15	1,480	112,003
Total	96	54,686	169,536

NEVADA

Reno	55	\$ 103,600	\$ 248,575
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OREGON

Albany	5	\$ 8,050	\$ 62,860
Astoria	32	213,897	7,151
Corvallis	1	4,845	7,700
Eugene	99	30,390	65,481
Klamath Falls	33	51,420	120,450
Marshfield	5	750	20,020
Portland	359	333,025	1,039,010
Salem	54	27,162	16,907
Total	587	\$ 669,439	\$ 1,348,382

UTAH

Logan	4	\$ 10,000	\$ 23,800
Ogden	26	30,450	39,700
Salt Lake City	107	148,910	251,770
Total	137	189,560	315,270

WASHINGTON

Aberdeen	34	\$ 5,985	\$ 6,555
Bellingham	33	15,570	43,310
Everett	97	18,760	33,415
Houquiam			
Port Angeles	11	14,245	69,000
Seattle	580	853,565	1,567,220
Spokane	133	62,340	287,261
Tacoma	152	103,415	352,605
Vancouver	40	7,509	10,240
Walla Walla	22	10,749	29,530
Wenatchee	71	13,010	26,153
Grand Total	7838	22,925	132,350
Yakima	31	\$ 1,131,073	\$ 2,557,626
Total	1150	\$11,615,517	\$20,733,149

ARCHITECT WEEKS VINDICATED BY COURT RULING: "NO EVIDENCE"

"I feel that I have now been vindicated, and that the attempted slur upon my reputation has been erased by the action of the Superior Court."

This is the statement of W. H. Weeks, San Francisco architect, following complete reinstatement of his architect's license through a decision handed down last week by Superior Judge C. J. Goodell.

In the first case of its kind here in more than 30 years, Judge Goodell nullified the action of the California State Board of Architectural Examiners in revoking Weeks' license. The board had charged Weeks with contract irregularities on certain buildings for which he was architect.

In his decision Judge Goodell pointed out that Weeks' license had been revoked upon sworn testimony, which is the Judge asserted, "no evidence" and contrary to the rules of evidence of the laws of the State of California.

Weeks, who has designed more public schools and public buildings in this state than any other California architect, issued a statement in which he said, in part:

"I feel that I have now been given complete vindication. I have contended through this controversy that I was not only innocent of the charge made against me, but that the proceedings of the board were irregular.

"I have practiced architecture in this state for more than 30 years. Dur-

ing this time I have designed and constructed more schools and public buildings than any other single architect. And the unwarranted charge made against me was the first slur upon my name.

"I naturally feel that my reputation has been upheld and my name vindicated by the court's order.

"And let it be clear that no charges have ever been made against me by any owner of a building which I have constructed. The complaint was made by a building contractor who had been hired by me in the construction of several buildings."

It was asserted by Walter Brann, attorney for Weeks, that this case marked the first time that a question of unsworn testimony made before a quasi-legal examining board, had been a factor in the determining of a court action.

Weeks is nationally famous for his designing of school buildings. Cities in which he has constructed schools and public buildings include: Santa Rosa, Napa, Woodland, San Jose, Santa Barbara, Pomona, Taft, Piedmont, Mountain View, Santa Clara, Auburn and Lemoore.

Other cities in which Weeks has constructed schools are: Turlock, Sunnyside, Los Gatos, Watsonville, Burlingame, Exeter, Colma, Miranda, Esparto, Campbell, Hanford, Willows, San Lorenzo, Sunol, San Martin, Berryessa, Walnut Grove, Castroville and many others.

comes in is in not recognizing that in the final analysis a man's power of consumption is largely and inevitably conditioned by his power to produce. Consequently, the first concern on the part of those in high places should be to see that the worker, and thus the consumer, should be given the opportunity to produce.

Thus far the doctrine of high wages, while benefitting certain portions of the population, has miserably failed to provide the consuming public as a whole with the necessary wherewithal for maintaining consumption at the high levels which the concept of a high standard of living essentially implies.

Seeking causes for this anomalous situation, we find them in the pronounced maladjustment existing among the various consuming groups, certain of which either by reason of the prevalence of favorable economic circumstances or by dint of better bargaining capacity, have enjoyed a larger share of the fruits of toil than others.

War Upset Equilibrium

It must be remembered that economic abnormalities have been the rule over the past fifteen years. The war upset the previously existing economic equilibrium, and the readjustments which have come in its wake have further complicated the problem. The farmer, for instance, has, probably more so than any other single economic faction, suffered a huge deflation of his income. Prices for his crops are set in world markets by forces over which he has but little control, whereas prices for what he must consume are largely determined by domestic conditions.

Building Trades Overpaid

The workers in the building trades, on the contrary, due to superior organization and the building boom which swept the country in the years following the war, have enjoyed disproportionately high wage incomes.

The same is true of workers in many other fields, with the result that such labor is exacting too large a share of the value of the product. Where this condition obtains, prices for products are finally thrown out of line and markets restricted, and especially so if the industry must compete in world markets. In the case of the railroads, their present plight is in no small degree due to their inability to make readjustments, especially in wage scales, in keeping with needs dictated by the current low volume of business and the decline in living costs.

Would Promote Recovery

Surveying the problem in all its multiple aspects, what is quite apparent is that the imperative need is not for a general reduction of wage scales but for such revisions as would bring about a better balanced relationship among the various working groups. A proper equilibrium among the various claimants to national income is essential to the smooth functioning of the price system under which our economy is carried on. Otherwise there will be a periodic recurrence of dislocation. This is the task facing American business today. The fuller realization of its inevitability on the part of industrial and political leaders and early steps in effecting the necessary correction are conditions preliminary to the restoration of a healthy economic condition.

Grover L. Cottrell of the Watsonville Hardware Company of Watsonville has purchased the controlling interest in the corporation. The stock purchased by Cottrell was that held by Dr. Henry G. Watters, Mrs. Bertha Watters and H. L. Rettig.

Equalization of Wage Rates, Not General Reduction Should Be Aim

Stressing the fact that prolongation of the depression, with its resultant reflection in sharply reduced corporate earning power, is bringing the question of wage reduction to the fore, John K. Fitch, president of the Fitch Publishing Co., Inc., financial statisticians, New York City, heralds this increasing concern for cost deflation as a step in the right direction on the path of business recovery, but cautions that such readjustments should be made with an eye to promoting stable employment and stimulating revival through removal of present inequalities in wage incomes. Workers in certain trades, he avers, are being overpaid at the expense of wage earners in other lines, thus causing a portion of the consuming public to suffer from a deficiency of purchasing power.

Probably no single factor, according to Mr. Fitch, has retarded a definite termination of the down trend of

business in progress over the past two years than the disposition on the part of a large body of leaders in the realm of business and government to maintain wage scales in the face of declining price trends for commodities, securities, real estate and other property values and deflation in interest, dividends, rent and aggregate purchasing power.

Such an attitude grows out of a mistaken conception of the forces at the basis of the high standard of living which the American worker has always enjoyed. At the core of the philosophy of high wages is of course the thought that, if industry is to find a market for its products, it must place sufficient purchasing power in circulation to permit consumers to take that product.

Productivity Sets Wage

With that aspect of the case there can be no quarrel, but where the rub

TRADE PRACTICE RULES FORBID SELLING BELOW COST TO HURT COMPETITOR

Revised trade practice rules for themarks, trade names, slogans, or other common brick industry of the country have just been promulgated by the Federal Trade Commission. Trade practice rules were adopted by representatives of the industry at a conference held in Memphis, Tenn., February 3, 1930, but the commission declined to accept 12 of the 25 rules which had been drafted. All the others were revised and have been accepted by the industry. They are now effective.

The trade practice rules cover methods of handling disputes, cost accounting and selling. Ten rules under Group I relate to practices held to be violations of law and six rules under Group II express sentiments of the trade. Among other things the rules provide for standard contracts to protect the rights of both seller and buyer; ban the selling of products below cost to injure a competitor and condemn the delivery of products which do not conform to the samples or representations made prior to securing orders. The revised trade practice rules are as follows:

Group I Rules

Group I: Rule 1.—"It is an unfair trade practice for any person engaged in interstate commerce, in the course of such commerce, either directly or indirectly, to discriminate in price between different purchasers of commodities, where the effect of such discrimination may be to substantially lessen competition or tend to create a monopoly in any line of commerce; Provided that nothing herein contained shall prevent discrimination in price between purchasers of the same class on account of differences in the grade, quality or quantity of the commodity sold, or that makes only due allowance for differences in the cost of selling or transportation, or discrimination in price in the same or different communities made in good faith to meet competition; and provided further, that nothing herein contained shall prevent persons engaged in selling the products of this industry in commerce from selecting their own customers in bona fide transactions and not in restraint of trade."

Rule 2.—"The secret payment or allowance of rebates, refunds, commissions, or unearned discounts, whether in the form of money or otherwise, or secretly extending to certain purchasers special services or privileges, not extended to all purchasers under like terms and conditions, with the intent and with the effect of injuring a competitor and where the effect may be to substantially lessen competition or tend to create a monopoly or to unreasonably restrain trade, is an unfair practice."

Rule 3.—"Maliciously inducing or attempting to induce the breach or extinction of contracts between competitors and their customers by any false or deceptive means whatsoever, or interfering with or obstructing the performance of any such contractual duties or services by any such means, with the purpose and effect of unduly hampering, injuring or embarrassing competitors in their business, is an unfair trade practice."

Rule 4.—"The selling of goods below cost with the intent and with the effect of injuring a competitor and where the effect may be to substantially lessen competition or tend to create a monopoly or to unreasonably restrain trade, is an unfair trade practice."

Rule 5.—"The imitation of the trade

marks of identification of competitors, having the tendency and capacity to mislead or deceive purchasers or prospective purchasers, is an unfair trade practice."

Rule 6.—"The practice of shipping or delivering products which do not conform to the samples submitted or representations made prior to securing the orders, without the consent of the purchasers to such substitutions, and with the effect of deceiving or misleading purchasers, is an unfair trade practice."

Rule 7.—"Directly or indirectly to give or permit to be given or offer to give money or anything of value to agents, employees, or representatives of customers or prospective customers or to agents, employees, or representatives of competitors' customers or prospective customers, without the knowledge of their employers or principals, as an inducement to influence their employers or principals to purchase or contract to purchase industry products from the maker of such gift or offer, or to induce such employers or principals to refrain from dealing or contracting to deal with competitors, is an unfair trade practice."

Rule 8.—"The shipment of goods on consignment with the intent and with the effect of injuring a competitor, and where the effect may be to substantially lessen competition or tend to create a monopoly or to unreasonably restrain trade, is an unfair trade practice."

Rule 9.—"The defamation of competitors by falsely imputing to them dishonorable conduct, inability to perform contracts, questionable credit standing, or by other false representations, or the false disparagement of the grade or quality of their goods, with the tendency and capacity to mislead or deceive purchasers or prospective purchasers, is an unfair trade practice."

Rule 10.—"The practice of coercing the purchase of several, or a group of products, as a condition to the purchase of one or more products under the exclusive control of the seller, where the effect may be to substantially lessen competition or tend to create a monopoly or to unreasonably restrain trade, is an unfair trade practice."

Group II Rules

Group II: Rule A.—"It is the judgment of this conference that the industry should adopt in cooperation with buyers a standard form of contract which will thoroughly protect the rights of both buyers and sellers."

Rule B.—"The industry approves the practice of handling disputes in a fair and reasonable manner, coupled with a spirit of moderation and good will, and every effort should be made by the disputants themselves to arrive at an agreement. If unable to do so they should agree, if possible, upon arbitration under some one of the prevailing codes."

Rule C.—"It is the judgment of the industry that each member should install a proper and accurate method for determining his cost."

Rule D.—"A Committee on Trade Practices is hereby created to cooperate with the Federal Trade Commission and to perform such act as may be proper to put these rules into effect."

Rule E.—"Each manufacturer of common brick should use his best ef-

forts to observe these rules of approved practices."

Rule F.—"The industry records its approval of the distribution among members of the industry of information covering delinquent and slow credit accounts in so far as it may be lawfully done."

F. S.—Attention is called to Federal Trade Commission v. Raladam Company, decided May 25, 1931, in which the Supreme Court of the United States has apparently held that in order for a practice to constitute an unfair method of competition it must be shown to have the tendency to injuriously affect the business of competitors.

MULHOLLAND DAM TO BE ABANDONED

The Water and Power Commission of the city of Los Angeles last Wednesday unanimously adopted a conditional order that plans be immediately prepared by Chief Engineer H. A. Van Norman of the department of water and power for the abandonment of Mulholland dam.

The order was voted upon following the appearance of a group of Hollywood citizens before the board demanding that the dam be abandoned, it being contended that the structure is a "psychological, if not actual," menace to the Hollywood district. The order as voted calls upon Van Norman to prepare the plans providing, however, that the plans "shall not subject the people in any other section of the city to any actual increased hazard or menace."

This provision was written into the resolution as the result of a protest to the commission from the West Los Angeles chamber of commerce, which objected to enlargement of the Stone canyon or Franklin canyon reservoirs as a means of providing the Hollywood district with water supply.

It was understood that tentative plans to abandon the Mulholland dam contemplated enlargement of these two reservoirs.

Chief Engineer Van Norman reiterated his opinion that the dam was safe and further contended that the Hollywood district could not adequately be served without it. He also argued that the dam was a city-wide, rather than a Hollywood benefit, and that all of the people of Los Angeles should be taken into consideration before any final plan is adopted to abandon the use of the dam.

HIGHWAY BONDS NOW DESIRABLE

Bonding for state highway construction has been a paying investment in every instance according to a report of the American Road Builders' Association. Tangible savings from lowered cost of operation are in excess of construction and maintenance costs in all cases.

The savings in operating costs to the motorists of Illinois are estimated to be \$333,000,000 since the improved highway program was started which is considerably more than the first cost, interest and amortization charges on the \$160,000,000 highway bond issue.

Bonding is generally recommended, the report states, for both states and counties where credit is sound, where there is an urgent need for highways, and where there is annual income. The issuing of bonds should be preceded by economic studies of credit conditions of the political subdivision, industrial growth, agricultural needs, population trends, transportation demands, and the availability of road building materials.

LEGALITY OF LOW BID IF CHECK IS LESS THAN AMOUNT REQUIRED

(By Herman J. Galloway, Legal Editor, A. G. C. Constructor)

The Question: Where the state law requires that a bid upon public work must be accompanied by a certified check of at least 10 per cent of the amount of the bid, and the advertisement calling for bids contains a like provision, can a Board of Trustees of a school ignore such a requirement and make an award to a bidder whose check was less than such 10 per cent?

What redress, if any, has a bidder whose bid was next low to the one which was accepted and which was covered by the check amounting to less than 10 per cent?

The Facts: The state law required that a certified check in an amount of at least 10 per cent of the amount of the bid should be filed with bids for public work. The advertisement calling for bids for the erection of an addition to an existing building contained the same provision. The advertisement requested bids upon the construction of the additions and upon several alternates, such as additional bids for window shades for the addition, for furniture, and various other similar things. The advertisement also contained the usual provision that the board reserved the right to reject any, or all, bids.

The lowest bidder discovered that he had made an error and was allowed to withdraw his bid before an award was made. The next lowest bidder had filed a check for 10 per cent of his main bid which was for the building, but his check was not large enough to equal 10 per cent of his main bid and his bid on any of the alternatives. This situation was discovered before the award was made, and other bidders protested any award to the bidder whose check was less than ten per cent. Regardless of the protest, the award was made to this bidder, and the question is now asked what redress, if any, has the bidder next low to that which was accepted?

It is very much doubted whether the complaining bidder has any redress. In the first place, the courts generally

hold that the provisions requiring bond are made for the protection of the state and not competing bidders, and that only the state can complain of a failure to comply fully with such a requirement. There is no assurance that had the questioned bid been thrown out the next bidder would have received the award. The officials might have rejected all bids and readvertised, or they might have determined for some reason that the next bid was not the best bid and rejected it and accepted another. Further than this, the courts often hold that requirements similar to this are directory and not mandatory. In other words, the provisions of the statute requiring a 10 per cent bond indicate a general plan that it is thought best to follow, but the failure to do so does not deprive the officers of authority to act or vitiate any action taken which was not in strict compliance with such provisions.

The courts usually allow a rather wide discretion to public officers in the manner of receiving bids and making awards, and, in the absence of bad faith, refuse to set aside the action in such matters. It is felt that the courts would be especially slow in this case to set aside the award upon the complaint of a higher bidder when it cannot be shown that the state has suffered in any way by the action of the board, but on the contrary, it has procured the construction at a lower price than it could have been procured in accepting any of the other bids.

It is also very probable that under the facts here presented, where the check was the required amount as to the large and main bid and the alternatives were for a much smaller amount in comparison, the courts would hold that there had been a substantial compliance with the requirements of the law, and the advertisement, and perhaps, without even passing upon any of the matters heretofore discussed, would hold that the award is entirely proper, legal and valid.

AUGUST BUILDING REGISTERS DECREASE

August building permits received from the 75 leading cities of the Pacific Coast show a sharp decrease from both the previous month and the corresponding month last year.

Permits reported by the 25 leading cities during August totaled \$10,525,664 compared with \$13,458,669 in July and \$17,908,405 in August of last year.

The tabulation, published on page five of this issue, covers every important city in the West, and shows gains over the previous month and last year by San Francisco, Sacramento, Berkeley, Albany and Compton, Calif., Port Angeles, Wash.; Astoria, Oregon, and Logan, Utah.

While there were but eleven cities showing increases over August, 1930, a total of 31 recorded gains over the previous month. Among the larger cities to show gains over July were San Francisco, San Diego, Glendale, Sacramento, Astoria, Berkeley, Pasadena, Santa Barbara, San Jose, Reno, Stockton, Santa Monica and Compton. Gains over the same month last year were made by San Francisco, Ontario, Compton, Berkeley, Astoria and Sacramento.

The compilation reveals that Los Angeles retained leadership among Pacific Coast cities with San Francisco replacing Seattle in second place, the latter being tabulated third. Portland dropped from fourth to seventh and was replaced by Vancouver which had been fifth in July. San Diego, ranking fifth, moved up from tenth last month.

Among cities in the first 25 tabulation in August which did not appear in the select list during July, were Santa Barbara, Santa Monica, Reno, Stockton, Astoria and Compton. Those appearing in last month's list, and not included in the first 25 during August, were Monterey, Richmond, Phoenix, Tucson, San Mateo and Palo Alto.

Structural Engineers In International Meet

Preparations are under way for the first general congress to be organized by the International Association for Bridge and Structural Engineering, which is to be held in Paris, France, May 19-24, 1932.

In developing the plan of the meeting, the officers of the association have selected eight general themes upon which attention will be concentrated. Three of these refer to steel construction, three to concrete and two to composite structures. They may be summarized as follows: (1) Stability and strength of structural members subjected to compression and bending. (2) Slabs in reinforced concrete structures. (3) Welding in steel structural work. (4) Large girder bridges in reinforced concrete. (5) Dynamics of bridges. (6) Statics of reinforced concrete with regard to the properties of the material. (7) Composite steel and concrete columns and girders. (8) Research concerning building ground.

The annual subscription for personal membership in the association is ten Swiss francs, which entitles the holder to receive one copy of all publications.

Headquarters of the association are at the Federal Institute of Technology, Zurich, Switzerland.

"FIRST PAPERS" DO NOT CONSTITUTE CITIZENSHIP IN THE UNITED STATES

In an opinion requested by H. W. Dail, city superintendent of streets and sewers of Seattle, Wash., A. C. Van Soelen, corporation counsel, emphasizes the fact that "first papers" do not constitute citizenship in the United States. Mr. Van Soelen says:

"We have your request for an opinion whether an alien with 'first papers' is a citizen of the United States within the meaning of the employment preference provisions of the Charter, Art. XXIII, Sec. 2, and Sec. 2 of Ordinance No. 58053, as amended by Ordinance No. 61342.

"The pertinent provisions of the city charter, Art. XXIII, Sec. 2, read thus:

"Sec. 2. . . . Such contractor and subcontractor shall, on such work or under such contract, give preference to citizens of the United States who are heads of families. This article shall be enforced by the city council by ordinance. . . ."

"The pertinent provisions of Sec. 2 of said Ordinance No. 58053, as amended by Ordinance No. 61342, read as follows:

"Sec. 2. It shall be unlawful to employ upon or in connection with any local or other improvement work, being done under contract for or with the city of Seattle, persons other

than citizens of the United States who are heads of families and residents of the city of Seattle," etc.

"Broadly speaking, under the provisions of the constitution of the United States (Art. XIV, Par. 1) and the laws of congress, all persons born or naturalized in the United States, and subject to the jurisdiction thereof, are citizens of the United States and of the state wherein they reside. By the acts of congress two steps are, with certain exceptions not here material, necessary to achieve citizenship by naturalization, the first being the declaration of intention to become a citizen (commonly called 'first papers'), and a petition to a court having jurisdiction for admission to citizenship. One does not become a citizen until the court upon such a petition orders his admission. The mere 'declaration of intention' does not clothe one with citizenship of the United States. You are therefore advised that, in our opinion, an alien who has filed his declaration of intention to become a citizen, but who has not been admitted to citizenship, is not a 'citizen of the United States' within the meaning of the aforementioned charter and ordinance provisions."

A pocket-size booklet containing illustrations and brief descriptions of the various types of road machinery which it produces may be obtained from the J. D. Adams Co., 217 South Belmont Ave., Indianapolis, Ind.

COMPENSATION INSURANCE DATA REQUIRED UNDER ASSEMBLY BILL 675

(By Red Guyett, Insurance Member, San Francisco Builders' Exchange)

Assembly Bill No. 675, which was enacted by the 1931 California Legislature and approved by Governor Ralph on June 12, requiring licensed contractors to report and name the address of the insurance carrier carrying workmen's compensation insurance on their employees to the registrar of contractors in the department of professional and vocational standards, becomes effective on August 14.

The new law reads as follows: Sections 1. Every person, firm, association or corporation licensed as a contractor by the department of professional and vocational standards must report in writing the name and address of the insurance carrier carrying workmen's compensation insurance on his or its workers to the registrar of contractors within 10 days after any such policy of insurance is issued to him or it must send a copy of such report to the said insurance carrier, which said insurance carrier, including the State compensation insurance fund, must thereafter report to the said registrar of contractors any cancellation or lapse of the said policy within 10 days after such lapse or cancellation, provided that a renewal of a policy or a new policy in lieu of one that has expired shall not be considered a cancellation or lapse.

Section 2. Any person, firm, association or corporation, or agent or officer thereof, licensed as a contractor by the department of professional and vocational standards, who violates, or omits to comply with, any of the provisions of this act shall be guilty of a misdemeanor, and upon conviction

shall be punished by a fine of not exceeding \$500 or by imprisonment for not exceeding six months, or by both such fine and imprisonment, in the discretion of the court.

In a form application blank prepared by the registrar of contractors, in compliance with the provisions of the new law, an accompanying synopsis of the act has been prepared in which a contractor is defined as follows:

(a) One who undertakes with another to construct, alter, repair, add to, or improve any building, highway, road, railroad, excavation or other structure, project, development, or improvement, other than to personally, or to do any part thereof, for a fixed sum, price, fee, percentage, or other compensation other than wages;

(b) Who submits a bid or competitive offer to perform any such undertaking.

(c) Who engages in building either on his own property for purposes of speculation, and not for his own personal use and permanent occupancy.

Contractors who are exempt are those all of whose jobs, contracts, or bids, are less than \$200, provided that such work is not a portion of or incidental to a larger or major program of improvement or construction; and provided no divisions have been made in their work on any project or individual property where the total of their work performed would reach the sum of \$200.

In the application form the contractor is required to list all jobs of \$200 or more which he has completed in the past two years together with some of the largest jobs completed during the past ten years.

BUILDING CODE REQUIREMENTS FOR ARCHITECTS ELIMINATED

With a provision requiring plans for buildings costing over a certain sum to be drawn by licensed architects eliminated, an agreement on the proposed new uniform building code for the city of San Diego has been reached, and the final draft is being prepared by the city attorney. Controversy over the ordinance centered largely around the provision relating to licensed architects.

"It was claimed the small home owner would be compelled to employ an architect in order to obtain a building permit," said John Siebert, architect member of the building code committee, in a statement to the Daily Transcript. "This was only half truth," he continued. "A section drawing the line at \$5000 was brought to the committee, not by an architect, but by a city official. The architects themselves raised this limit to \$7500, then \$10,000 and finally agreed to eliminate it entirely; so that this particular point was not at issue at all when the ordinance was presented to the council.

"In passing I wish to point out that Sacramento has a \$10,000 limit. Chicago \$500 and in the city of New York buildings of the multiple dwelling type irrespective of cost, must be designed by an architect licensed by the state. The New York law was attacked as being unconstitutional, class legislation, depriving certain persons of their means of livelihood, serving no useful purposes, setting up a monopoly, etc., etc.; the identical objections raised

here. The fight was carried through the state courts and finally to the U. S. Supreme Court. In every instance, and our friends might do well to ponder on this, the law was fully sustained, causing the man in whose name the fight was waged to take his examination and obtain his license to practice architecture.

"The restrictions in the ordinance as presented and which, with but slight modifications, are in it as passed, name certain structural limitations which, when exceeded must be designed by an architect or structural engineer. A veritable mountain has been made of this mole hill, thereby displaying a woeful lack of familiarity on the part of the objectors with the building ordinance under which we have been working since 1922. If our friends will kindly read Section 29 of the old ordinance they will learn that the present one differs only in that it is specific where the old one was general.

"No proponent of the new ordinance ever claimed that the state building laws carried a provision, 'requiring an architect to draw home plans,' as set forth in some of the newspaper headlines. The mandatory requirements for an architect or structural engineer are for certain structural features only, and do not affect the making of the general plans.

"The cost of building would be increased, it was claimed. For a \$5000 dwelling the increase would be, according to City Manager Gregory and Chief Building Inspector Knecht, \$20

to \$35. Surely not an exorbitant sum when considered in the light of fire, termite and fungus protection. On the larger commercial structures the cost would actually be less. This matter was so thoroughly aired at the hearing that it ought to rest in peace."

STANDARDIZATION OF TRAFFIC DEVICES AIM

There is practically no uniformity in the design, construction or use of traffic devices, states a report of the American Road Builders' Association.

One manufacturer reports as to standard Stop signs that production for stock is impossible because each order he receives has variations. He is called upon to furnish 27 different standard sizes, 3 sizes of one secondary copy, 3 sizes of signs, 4 different gauges of metal, 3 different color combinations, 5 variations in finish and fabrication, 6 requirements as to the number of reflector buttons, 3 different colors of buttons.

Many of these variations tend to confuse the mind of the motorist; all of them add materially to the cost of production and maintenance. Much study is needed to bring about proper standardization, the association says.

ALBANY BUILDING PERMITS INCREASE

Building operations in Albany, Alameda County, during the month of August, 1931, involved an expenditure of \$44,155 as compared with \$22,570 during the corresponding period in 1930. During the month of August, 1931, H. I. Dygert, city engineer, reports the issuance of 39 permits, of which 13 covered the erection of dwellings and stores costing \$40,500 and 26 for alterations and repairs costing \$3,655.

For the past eight months, Dygert reports, building activities aggregate an expenditure of \$438,988 as compared with \$252,089 for the same period last year.

RENT COMMISSION REVISION PLANNED

To consider a revision of the Oakland commission schedule in regard to the rental of residence property by brokers to conform with that of San Francisco, the Oakland real estate board has called a conference of rental bureau managers.

The Oakland schedule was established 15 years ago. Many San Francisco brokers have since engaged in business in Oakland and have found the difference between Oakland and San Francisco customs confusing.

According to word from Mexico City, wages must be the same regardless of age, sex or nationality when the work performed is of the same quantity and quality under the terms of the national labor law just promulgated.

The law also provides against garnishing of salaries.

Employers of more than one hundred persons are obliged to provide sanitary living quarters for their employees and may charge no more than one-half per cent of the value of the property as rental.

Domestic employees are protected by a clause which establishes that the employers must give them board and lodging, pay for their medical expenses and burial in case of death and give them time off to attend night school.

Building News Section

APARTMENTS

Construction Postponed Indefinitely.
APARTMENTS Cost approx. \$60,000
SAN FRANCISCO. SW Clay St. and
 Freeman Court.

Five-story and basement class C
 apartments (steel frame, brick and
 concrete construction; six 3-room
 and 20 2-room apts.; tar and grav-
 el roof, steam heating system).

Owner—H. Riley, 958 Powell St.
 Architect—N. W. Sexton, 1606 deYoung
 Building.

SANTA CRUZ, Santa Cruz Co., Cal.
 —Peter G. Miller, banker, Auzerals
 Bldg., % J. W. Stough, San Jose, with
 Valentine Nankibell has purchased the
 Piedmont Court Apartments in High
 St. and will refurbish the structure
 with new Chesterfield sets and Frigida-
 aire refrigerators in addition to re-
 carpeting, etc.

To Ask Bids In One Week.
DUPLEX APTS. Cost, \$8500
SAN JOSE, Santa Clara Co., Cal. **Du-
 plex near Park Ave.**

One-story frame and stucco duplex
 apartments (two four-room apart-
 ments, single roof, furnace, col-
 ored tile baths and kitchens).

Owner—J. S. Mese, 65 Atlas Ave., San
 Jose.

Architect—W. E. Higgins, Realty
 Bldg., San Jose.

Contract Awarded.
APARTMENTS Cost, \$20,000
SAN FRANCISCO. S. W. Jones and
 Union Sts.

Three-story and basement frame and
 stucco apartment (six 3-room
 apts.), composition roof, steam
 heat, gas furnace, hardwood floors,
 tile baths and kitchens.

Owner—G. Deirmenzi, 1153 Union St.
 Architect—L. Zanolin, 604 Montgom-
 ery St.

Contractor—L. Murer & Co., 1815 Ma-
 son St.

BONDS

VISITACION, San Mateo Co., Cal.—
 Election will be held September 21
 in the Visitation School District to
 vote bonds of \$10,000 to finance school
 improvements. Trustees of the dis-
 trict are: Frances Huff, A. H. Beckel
 and Walter Caine.

CHURCHES

Low Bidder.
CHURCH Cost approx. \$100,000
SANTA BARBARA, Santa Barbara
 Co., Calif.

One-story reinf. concrete and steel
 church, tile roof (to seat 800).

Owner—First Church of Christ Sci-
 entist.

Architect—H. H. Guttererson, 526 Powell
 St., San Francisco.

Low Bidder—W. L. Snook, 1925 Mis-
 sion Bridge, Santa Barbara.

MARTINEZ, Contra Costa Co., Cal.
 —Mt. View Community Church has
 purchased a site and plans early erec-
 tion of a new edifice. Mrs. J. R.
 White, M. H. Briggs and Mrs. Mary
 Fischer are members of the building
 committee.

FACTORIES AND WARE- HOUSES

OAKLAND, Cal.—Plant of East Bay
 Flower Growers' Association, 8th
 and Jefferson Sts., Oakland, suffered a \$75-
 000 fire loss Sept. 8.

SANTA ROSA, Sonoma Co., Cal.—
 Rebuilding of the warehouse of Sop-
 hey Bros., automobile body builders,
 Barham Ave. and A St., will be
 started at once. The cost is esti-
 mated at \$6,000.

SAN LUIS OBISPO, Cal.—Pacific
 Mutual Fish Co. of Monterey plans
 expenditure of \$10,000 in the construc-
 tion and equipping of a fishery build-
 ing at the Port of San Luis. The
 company has leased wharf space, 20
 by 80 ft., on which to erect the plant.

Contract Awarded.
WAREHOUSE Cost, \$75,000
SAN FRANCISCO. Brannan St.
 One-story concrete warehouse (steel
 sash, galvanized iron; 100 feet
 frontage).

Owner—Vermont Marble Co., 244
 Brannan St., San Francisco.

Architect—Lewis F. Hobart, Crocker
 Bldg., San Francisco.

Contractor—Cahill Bros., 206 Sansome
 St., San Francisco.

Contract Awarded.
REPAIR SHOP Cost, \$6000
SAN FRANCISCO. W Mission N
 3rd St.

Repair fire damage to one-story and
 mezzanine floor Class C shop.

Owner—G. Spiro, 315 Magellan Ave.,
 San Francisco.

Plans by C. F. Gill, Rialto Bldg., San
 Francisco.

Mission St., San Francisco.

Contractor—M. G. Vukicevich, 665

Painting and Roofing Contracts
 Awarded.

LAUNDRY Cost, \$40,000
SAN FRANCISCO. Heron St. east of
 Eighth Street.

Three-story reinforced concrete class
 B laundry.

Owner—Amalgamated Laundry Co.,
 385 Eighth St.

Architect—Hyman and Appleton, 63
 Post St.

SKILSAW Portable Electric Hand
 Saws (4 models).

SKILSAW Portable Electric Sander
 SKILSAW Radial Arm Attach-
 ments.

SYNTRON Portable Electric Ham-
 mers (4 models, motor-
 less).

MALL Flexible Shaft Machines (50
 models).

Electric Drills, Grinders, Buffers,
 Routers, Lock Mortisers.

PETER H. NELSON

Labor Saving Portable Electric
 Tools.

1246 Mission St. UNDERHILL
 San Francisco 7662

SALES . SERVICE . RENTALS

Contractor—Barrett & Hill, 918 Har-
 rison St.

Painting—D. Zellinsky, 165 Grove St.

Roofing—Jones Bros. Asbestos Co.,
 370 Second St.

Other awards previously reported.

Plans Being Prepared.
PLANT

Total cost, includ. mach, \$250,000
BOULDER CITY, Nevada.

Structural steel, concrete and timber
 sand and gravel plant (towers,
 tunnels, etc.).

Owner—Six Companies, 405 Montgom-
 ery St., San Francisco.

Structural Engineer—Ellison & Rus-
 sell, Pacific Bldg., San Francisco.

Plans will be ready for bids in
 about thirty days.

Plans Being Figured—Bids Close Sep-
 tember 14, 10 A. M.

WAREHOUSE Cost, \$—
SACRAMENTO, Calif.

Erect Warehouse at County Corpora-
 tion Yard.

Owner—County of Sacramento, Harry
 W. Hall, county clerk.

Plans by Chas. Deterling, Jr., county
 engineer, Courthouse, Sacramento.

Certified check 10% payable to
 Chairman of the Board of Supervisors
 required with bid. Plans obtainable
 from County Engineer. Rate of wages
 to be paid on this project follows:

Carpenters, \$9; cement workers, la-
 borers, \$6.95; cement finishers, \$9; ce-
 ment mixer operator (small), \$5; la-
 borer, common, \$4; laborers, construc-
 tion, \$5.50; roofers, \$9; truck driv-
 ers, \$8.

For any craft not included in the
 list the minimum per diem wage
 shall be the general prevailing wage
 for the location as determined by the
 Board of Supervisors and shall not be
 less than \$4.00 per day. Double time
 shall be paid for work on Sundays
 and holidays; one and one-half time
 for overtime.

OAKLAND, Cal.—Distributing plant
 of Swift and Co., 383 Second St., de-
 stroyed by fire September 4. The loss
 is estimated at \$100,000.

PITTSBURG, Contra Costa Co., Cal.
 —E. I. duPont deNemours Corp., of
 Delaware is reported to have under
 option 300 acres of land between Mc-
 Avoy and Pittsburg on which it is
 said the company will erect a modern
 plant. Officials of the company,
 however, deny that such an option
 has been taken.

FLATS

Sub-Bids Wanted.
FLATS Cost, \$10,000

OAKLAND, Alameda Co., Cal. S 40th
 St. 200 E Market St.

Two-story and basement frame and
 stucco flats (one 6-room and one
 5-room; tile roof, coal and wood
 furnace).

Owner—D. Fagilano, 1221 28th Street,
 Oakland.

Plans by Paul La Vergne, 4264 Howe
 St., Piedmont.

Contractor—John Cisero, 474 42nd St.,
 Oakland.

Lumber—E. K. Wood Lumber Co.,
 Frederick and King Sts., Oakland.

Sub-bids are wanted on plastering,
 painting, plumbing, brick work, elec-
 tric work, etc.

GARAGES AND SERVICE STATIONS

Plans Being Figured.

GARAGE-SALES BLDG. Cost \$100,000
LOS ANGELES, Calif. 1207 S Grand
Avenue.

Three-story class A reinforced concrete garage and sales building (100x150 ft.; hollow tile partitions, folding steel gates).

Owner—Montgomery Properties, Inc., Pacific Finance Bldg., Los Angeles
Architect—Wm. Richards, Architects' Bldg., Los Angeles.

Plans Being Prepared.

WAREHOUSE-GARAGE Cost, \$13,000
COLUSA, Colusa Co., Cal. Second and Main Sts.

One-story corrugated metal wood and frame garage and warehouse.

Owner—Pacific Gas & Electric Co., 245 Market St., San Francisco.
Plans by Eng. Dept. of Owner.

GOVERNMENT WORK AND SUPPLIES

Plans Being Figured—Bids Close Sept. 23, 11 A. M.

ELEVATOR Cost, \$—
MARE ISLAND, Calif.

Conversion of elevator from car switch to double push control, under Specification No. 6675.

Owner—United States Government.
Plans by Bureau of Yards and Docks, Navy Dept., Washington, D. C.

The work will involve the conversion of one freight elevator in the machine shop, Building No. 271, U. S. Navy Yard, Mare Island, California, from car switch control to double push button control.

SUNNYVALE, Santa Clara Co., Cal.
—Wellman Engineering Co. of Cleveland Ohio, at \$119,000 awarded contract by Bureau of Yards and Docks, Navy Dept., Washington, D. C., to construct a dirigible mooring mast for the Sunnyvale, Calif., Dirigible Base. The mast will be erected for tests at the Naval Air Station at Lakehurst, N. J., and later will be disassembled and shipped to Sunnyvale.

Plans Being Figured—Bids Close Sept. 23, 11 A. M.

FIRE EXT. SYSTEM Cost, \$—
MARE ISLAND, Calif.

Install carbon dioxide fire extinguisher system in Paint Shop Building No. 334 and in Paint Shop Annex, Bldg. No. 590, under Spec. No. 6675

Owner—United States Government.
Plans by Bureau of Yards and Docks, Navy Dept., Washington, D. C.

SAN FRANCISCO—Until September 15, 11 A. M., bids will be received by Constructing Quartermaster, Fort Mason, for replacement of electric light poles fronting the N.C.O. Quarters at the Presidio. Specifications obtainable from above office.

Commissioned To Prepare Plans.

POSTOFFICE Cost, \$200,000
MARSHFIELD, Oregon.

Class A postoffice.
Owner—United States Government.
Architect—Johnson & Wallwork, Portland, Ore.

BOISE, Idaho.—Until 2:30 P. M., Sept. 30, bids will be received by the Veterans' Administration, office of the Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, for extensions to outside steam distributing system and installation of additional boilers at Boise, Idaho. This work will include trenching and backfilling, construction of vitrified clay pipe conduits, vitrified clay pipe under drains, concrete man-

holes and expansion bend pits, installation of wrought iron and steel pipes, fittings, valves, traps and cast iron manhole covers and non-conducting covering, connections to existing steam distribution lines, and all cutting and patching; also installing two portable fire box boilers of the down-draft type including foundations, stokers, blowers and connections to smoke breechings, steam headers, pump and blow-off lines, and the removal of old 50-hp. boiler in place. Separate bids will be received for (a) extensions to steam distribution lines; (b) installation of two new 100-hp. boilers; (c) installation of two new 150-hp. boilers. Plans may be obtained from the superintendent at Palo Alto; no deposit required. Guaranty bond, certified check or U. S. bonds in the sum of 25% must accompany each bid. L. H. Tripp, director of construction.

BOULDER CITY, Nev.—U. S. Bureau of Reclamation received the following bids August 7 to furnish and install air conditioning and heating system in the administration building at Boulder City: York Ice Machinery Corp., (1) \$16,335 (2) \$18,517 (3) \$19,900 (4) \$19,514; National Carbonic Machinery Co., (1) \$31,000 (2) \$32,200 (3) \$25,400 (4) \$24,700; General Electric Co., (5) \$24,300, does not include cooling tower; Gullyford Plumbing and Heating Co., (3) \$12,747, does not include cooling tower; Cooling and Air Conditioning Corp. (2) \$24,878; Carrier Eng. Corp., (1) \$21,746.

Site Selected—Plans To Be Prepared.
POSTOFFICE Cost, \$—
MARYSVILLE, Yuba Co., Calif. NE

4th and C Sts.

Class A postoffice.

Owner—U. S. Government.

Architect—Not Determined.

The site selected for this structure covers an area of 160 by 160 feet. It has not yet been determined whether a private architect will be selected to prepare plans or whether the plans will be prepared by the Supervising Architect of the U. S. Treasury Dept.

PANAMA CANAL ZONE—Until October 14, 10:30 A. M., under Schedule No. 2685, bids will be received by the Panama Canal Commission, Munitions Bldg., Washington, D. C., to furnish and install hydraulic and electrical apparatus for Madden Power Plant.

WASHINGTON, D. C.—Bids are being received by the Bureau of Supplies and Accounts, Navy Dept., Washington, D. C., to furnish materials and equipment to Pacific Coast navy yards and stations. Further information on the Schedules listed obtainable from the Navy Purchasing Office, 100 Harrison St., San Francisco:

Bids Open Sept. 22

Mare Island, 3000 lbs. dry aluminum bronze powder; sch. 6457.

San Francisco, 1 motor driven high speed metal sawing machine; sch. 6450.

San Francisco, 14,500 lbs. medium steel plates, and approx. 225,000 lbs. do.; sch. 6465.

San Francisco, 8 corrugated suspension furnaces; sch. 6460.

Mare Island, 100 forced draft blow fan wheels; sch. 6453.

New York or San Francisco, 53,300 lbs. black medium steel bar & shapes; sch. 6466.

Mare Island, 500 portable fire extinguishers; sch. 6477.

Mare Island, 4,480 sheets roofing tin plate; sch. 6485.

Mare Island, bolts and nuts; sch. 6484.

Bids Open Sept. 29

Mare Island, refrigerating equipment; sch. 6470.

San Diego, 1 gasoline-driven locomotive; sch. 6486.

San Francisco, motor-driven tool room precision lathe; sch. 6487.

SACRAMENTO, Cal.—Until Sept. 15, 3 P. M., bids will be received by the U. S. Engineer Office, California Fruit Bldg., Sacramento, under Circular Proposal No. 32-54, Specification No. 3687/1763, for traveling crane, trucks, trolley and electric chain hoist.

COLFAX, Wash.—In addition to those previously reported, following are prospective bidders to erect post office at Colfax, bids for which will be opened by the Supervising Architect, Treasury Dept., Washington, D. C., Sept. 24:

Andrew F. Mowat, McDowell Bldg., Seattle, Wash.

Wm. W. Sistler Const. Co., Simpson, Illinois.

W. D. Lovell, Minneapolis, Minn.

S. G. Morin, Paulsen Bldg., Spokane, Wash.

True-House Const. Co., 117 N Wall St., Spokane, Wash.

Elliot Const. Co., Missoula, Mont.

Western Const. Co., Seaboard Bldg., Seattle, Wash.

Pelphs-Drake Co., Inc., Minneapolis, Minnesota.

Henrikson-Alstrom Const. Co., Textile Tower, Seattle, Wash.

Fred R. Comb Co., 2113 Chicago Ave. Minneapolis, Minn.

Plans Being Figured—Bids Close Oct. 1, 3 P. M.

LIGHT FIXTURES Cost, \$—
SEATTLE, Washington.

Furnish and install lighting fixtures in U. S. Marine Hospital.

Owner—U. S. Government.

Plans obtainable from the Supervising Architect, Treasury Dept., Washington, D. C.

SUNNYVALE, Santa Clara Co., Cal.

—In addition to those previously reported, following are additional prospective bidders for hangar construction at the Dirigible Base, Sunnyvale, bids for which will be opened September 23 by the Bureau of Yards and Docks, Navy Department, Washington, under Specification No. 6631:

Virginia Bridge and Iron Co., Roanoke, Va.

David Lupton's Sons Co., Washington.

Mt. Vernon Bridge Co., Mt. Vernon, Ohio.

Western Foundation Co., 308 W. Washington St., Chicago.

Phoenix Bridge Co., Phoenixville, Pa.

Wm. Bayley Co., Washington.

Treadwell Engineering Co., Easton, Pa.

Detroit Steel Products Co., Washington.

Ingalls Iron Works, Birmingham, Ala.

Phillip Carey Co., Cincinnati.

Following are additional prospective bidders for the foundations, etc., in connection with the hangar, bids for this work being received on the same date, under Specification No. 6632:

Western Foundation Co., 308 W. Washington St., Chicago.

Pierce Steel Pile Construction Co., 500 5th Ave., New York City.

W. W. Nixon, Washington.

Bids Opened.
CABINET Cost, \$—
SAN FERNANDO, Los Angeles Co., Calif.

Furnish and install one ice cream freezer and hardening cabinet in U. S. Veterans' Hospital.

Owner—U. S. Government.

Plans by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto.

The work will consist of furnishing

and installing direct expansion ice cream freezer and hardening cabinet, including all piping valves, fittings, etc., connections to existing refrigerating plant piping and electrical system in place including cutting and patching as required.

Low Bidder—Carrier Engineering Co., 748 E. Washington St., Los Angeles
 Following is complete list of bids:
 Carrier Eng. Co., Los Angeles.....\$1,705
 York Ice Machine Co., S. F.....1,950
 O. J. Weber Co., L. A.....2,025
 Ice Cream Package Co., L. A.....2,207
 Bids referred to Washington for award.

SEATTLE, Wash.—Following bids received August 28 by Supervising Architect, Treasury Department, to furnish and install metal shelving for the U. S. assay office, Seattle, Wash.:
 Lyon Metal Products Co., Aurora, Ill., \$1,450.

De Luxe Metal Furniture Co., Warren, Pa., \$1,697.70.
 General Fireproofing Co., Washington, \$1,725.
 Manufacturing Equipment and Engineering Co., Framingham Mass., \$1,850.
 Dando Equipment Co., Seattle, Wash., \$1,870.
 Worley & Co., 721 Virginia St., Seattle, Wash., \$2,119.
 Yawman & Erbe Mfg. Co., Rochester, N. Y., \$2,250.
 Art Metal Construction Co., Washington, \$2,250.
 Globe-Wernicke Co., Washington, \$2,393.50.
 Jamestown Metal Equipment Co., Jamestown, N. Y., \$2,460.
 Interior Steel Equipment Co., Cleveland, Ohio, \$2,574.
 Steel Furniture Mfg. Co. Baldwin Park, Calif., \$2,966.31.
 The Commercial Office Furniture Co., Washington, \$3,595.

HALLS AND SOCIETY BUILDINGS

Plans Being Figured.
 ADDITION Cost, \$30,000
 BERKELEY, Alameda Co., Cal. No. 2001 Allston Way.
 Two-story and basement frame and brick addition for gymnasium.
 Owner—Y. M. C. A., 2001 Allston Way, Berkeley.
 Architect—W. H. Ratcliff, Chamber of Commerce Bldg., Berkeley.

Sub-Bids Wanted.
 MEMORIAL BLDG. Cost, \$60,000
 ALBANY, Alameda Co., Cal.
 Two-story reinforced concrete Veteran's Memorial building (Spanish type, tile roof, ornamental iron, gas heating).
 Owner—County of Alameda, George E. Gross, County Clerk.
 Architect—H. H. Meyers, Kohl Bldg., San Francisco.
 N. H. Sjöberg & Son, Call Bldg., San Francisco, general contractors, desire sub-bids on all portions of the work in connection with above for which bids are to be opened Sept. 29, 10:30 A. M.

Contract Awarded.
 REMODELING Cost Approx. \$10,000
 SANGER, Fresno Co., Cal.
 Remodel Kittle Building for lodge hall.
 Owner—Sanger Lodge of Masons, No. 316, Olin McClendon, Master.
 Architect—Swartz & Ryland, Brix Bldg., Fresno.
 Contractor—W. H. Jones, Sanger.
 Plans will provide for lodge and club rooms, ladies' lounge, banquet hall and kitchen. The exterior of the structure will be remodeled for the Spanish type of architecture with a stucco finish and tile roof.

Plans Being Prepared.
 CLUB HOUSE, ETC. Cost, \$—
 GRASS VALLEY, Nevada Co., Calif.
 Greenhorn District.
 Clubhouse and swimming pool.
 Owner—Bret Harte Recreation Park, Al La Costa, president, 6350 Bay St., Oakland.
 Plans by Allan J. Lozier, Bret Harte Recreation Park, Grass Valley.

HOSPITALS

Preparing Working Drawings.
 RETREAT HOUSE Cost, \$100,000
 LOS ANGELES, Cal. Sunset Blvd. and Holly Vista Drive.
 Concrete, frame and stucco retreat house (54 rooms); retreat masters' home (20 rooms); chapel to seat 100.
 Owner—Loyola Retreat Association.
 Architect—Ross Montgomery, Chamber of Commerce Bldg., Los Angeles.

Plans Being Figured.
 ORPHANAGE Cost, \$250,000
 SACRAMENTO, Sacramento Co., Cal. Franklin Blvd.
 Two-story and basement reinforced concrete orphanage (parochial school, dormitory, etc.)
 Owner—St. Patrick's Orphanage, Grass Valley.
 Architect—Harry J. Devine, California State Life Bldg., Sacramento.

SAN FRANCISCO.—Following contracts awarded by Leonard S. Leavy, city purchasing agent, under Proposal No. 746, for X-ray equipment for the San Francisco Hospital:
 Item No. 1. Treatment couch, price \$277.77; Saracco Tank and Welding Co. Ltd.
 Item No. 2. Tube drum, price \$585; Oscar Krenz Copper and Brass Works.
 Item No. 3. Tube stand, reconditioned, \$90; Bush Electric Corp.

Contract Awarded.
 HOSPITAL Cost, \$65,000
 SAWTELLE, Los Angeles Co., Cal. Mississippi, Barrington, Louisiana and Barry Aves.
 One and two-story reinforced concrete Class A hospital (clay tile roof, steel sash, ornamental iron).
 Owner—Marion Davies Foundation.
 Architect—Miss Julia Morgan, Merchants' Exchange Bldg., S. F.
 Contractor—Frank Hellenthal, 911 10th St., Santa Monica.
 There will be several more similar buildings erected at a later date.

SAN FRANCISCO—American Iron and Bronze Works, Fifth and Chestnut Sts., Oakland, has prepared sub-bids on the bronze bearing plates and other work on the Lincoln Way Viaduct in connection with the Sunset Blvd. project and desires to get in touch with general contractors figuring the project. Bids for this work will be opened by the San Francisco Board of Public Works on September 16.

FRESNO, Fresno Co., Cal.—County supervisors have awarded the following contracts in connection with the additions to the county hospital, plans for which were prepared by Architects Swartz & Ryland, Brix Bldg., Fresno.
 Electric Lighting Fixtures—Inland Light Co., 814 Fulton St., Fresno, \$1,798.

Built-in Equipment—Willmot—Castle Co., Fresno, \$661.20.
 Finish Hardware—Barrett-Hicks Co., 1031 Broadway, Fresno, \$2,095.

Plans Being Figured—Bids Close Oct. 5, 10 A. M.
 HEATING PLANT Cost, \$—
 HAWTHORNE, Nevada.
 Construct oil heating plant for Mineral County Hospital.

Owner—County of Mineral, D. M. Buckingham, clerk, Hawthorne.
 Architect—Not Given.
 Certified check 10% required with bid. Plans obtainable from the county clerk at Hawthorne on deposit of \$10, returnable.

Sub-Contracts Awarded.
 HOME & NOVITATE Cost, \$—
 BURLINGAME, San Mateo Co., Cal.
 Four-story and basement steel frame and concrete home and novitate (tile roof, steam heating system).
 Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Mateo.
 Architect—Edward Eames, 353 Sacramento St., San Francisco.
 Contractor—Barrett & Hlip, 918 Harrison St., San Francisco.
 Structural Engineer—Ellison & Russell, Pacific Bldg., San Francisco.
 Excavation—H. E. Casey Co., 307 E. St., San Mateo.
 Structural Steel—McClintic Marshall, 2050 Bryant St., San Francisco.
 As previously reported:
 Plumbing and Heating—O'Mara and Stewart, 218 Clara St., San Francisco.
 Electric Work—Minkel & Lucas, 1555 Folsom St., San Francisco.

To Ask Bids Shortly.
 HOSPITAL ADDITION Cost, \$400,000
 LOS ANGELES, Cal. 2301 Bellevue Avenue.
 Ten-story reinforced conc. and steel frame hospital addition (90 additional beds; steam heat, steel sash, marble and tile work).
 Owner—Queen of Angels Hospital.
 Architect—Albert C. Martin, Higgins Bldg., Los Angeles.

Sub-Bids Wanted.
 HEALTH CENTER Cost, \$—
 SAN FRANCISCO. Polk and Grove Streets.
 General construction for 4-story and basement reinforced concrete class A health center, emergency hospital and office building.
 Owner—City and County of San Francisco, S. J. Hester, Sect'y., Board of Public Works.
 Architect—S. Helman, 57 Post St.
 Structural Engineers—Ellison & Russell, Pacific Bldg.
 H. P. Petersen, 731 Treat Ave., San Francisco, general contractors, desire sub-bids on all portions of the work in connection with above, for which general bids are to be opened Sept. 16, 2:30 P. M.

Sub-Bids Wanted.
 PREVENTORIUM Cost, \$105,000
 REDWOOD CITY, San Mateo Co., Cal.
 Three frame and stucco Preventorium buildings with tile roofs.
 Owner—City and County of San Francisco, S. J. Hester, Sect'y., Board of Public Works.
 Architect—Henry H. Meyers, Kohl Bldg., San Francisco.
 N. H. Sjöberg & Son, Call Bldg., San Francisco, general contractors, desire sub-bids on all portions of the work in connection with above for which general bids are to be opened Sept. 16, 2:30 P. M.

Bids Opened.
 HOSPITAL Cost, \$—
 AUBURN, Placer Co., Cal.
 Class A reinforced concrete and steel fireproof hospital (48 beds), 213 ft. by 140 ft.
 Owner—County of Placer.
 Architect—W. E. Coffman, Forum Bldg., Sacramento.
 Following is a complete list of bids:
 General Work
 Mabrey & O'Connor Const. Co., Forum Bldg., Sacramento.....\$34,900
 F. H. Cress, Oakland.....36,250
 Chas. McCloud, Auburn.....37,888
 J. P. Morton, Placerville.....39,075

H. H. Henning, Stockton	39,393
F. H. Betz, Sacramento	40,924
C. J. Hopkinson, Sacramento	42,350
Chas. Unger, Sacramento	43,300
Holdener Const. Co., Sacto.	44,000
George Hudnut, Sacramento	44,444
M. R. Petersen, Sacramento	44,484
(Props. 1, 5 and 7 inclusive)	
C. T. Rose, Dixon	47,221

Plastering

Hamman & Purcell, Sacto.	\$ 3,375
J. Mulderig	9,288
Jas. S. Smith, San Francisco	9,900
Vincent Fatta, Oakland	10,900
P. H. Donnelly, Oakland	12,475

Roofing

Alyn Burr, 11th and R Streets, Sacramento	\$1,025
Auburn Lumber Co., Auburn	1,050
Capitol Roofing Co., Sacramento	1,115
Bush Roofing Co., Sacramento	1,249
F. J. Jordan, Roseville	1,310
San Joaquin Lumber Co.	1,319
Alta Roofing Co., S. F.	1,432

Tile and Marble

H. O. Adams, 2610 I St., Sacto.	\$1,685
Fischer Tile & Marble Co., Sacto.	2,120
Sacramento Tile & Marble Co.	2,219

Glass and Glazing

W. P. Fuller Co., 1013 12th Street, Sacramento	\$390
East Bay Glass Co., Oakland	510

Painting

Patterson Bros., 573 Santa Rosa Ave., Berkeley	\$1,950
D. Zelinsky, San Francisco	2,380
Wilcoxon Wilson, Sacramento	2,497
H. McKewon	2,800
J. F. Ecker, Stockton	2,849
K. Blase, Colfax	5,059

Sheet Metal

Frank Ahl, 1615 21st St., Sacto.	\$1,852
Carpenter & Mendenhall, Sacto.	1,917
Allison Sheet Metal Works	2,220

Plumbing

Johnson Hardware Co., Auburn	\$ 3,990
Auburn Lumber Co., Auburn	4,488
A. W. Sweet, Auburn	4,890
Woodland Plbg. & Heating Co., Woodland	4,918
Carpenter & Mendenhall, Sacto.	5,475
Scott Plumbing Co., S. F.	11,489
(Including plumbing and heating)	

Heating

Auburn Lumber Co., Auburn	\$ 5,188
Johnson Hdwe. Co., Auburn	5,398
Woodland Plumbing & Hardware Co., Woodland	5,962
Carpenter & Mendenhall, Sacto.	6,185
T. J. Kennedy, Martinez	6,568
Jones Heating Co., Pasadena	7,154
Woodland Plumbing & Hardware Co., Woodland	10,580
(Including plumbing and heating)	
A. W. Sweet, Auburn	10,777
(Including plumbing and heating)	

Electric Work

Cox Electric Co., Red Bluff	\$4,790
N. P. Cannon, Sacramento	5,234
Schreiber Bros., Oakland	5,876
Eddy Elec. Co., Stockton	6,018
Franklin Electric Co.	7,167
Johnson Hardware Co., Auburn	7,846

Linoileum

Van Fleet-Freear Co. 557 Howard St., San Francisco	\$1,925
McLean Co., Stockton	2,135
Peck & Hill Furniture Co., Sacramento	2,144
H. W. Rivett, Sacramento	3,200
Bids held under advisement.	

HOTELS

Construction Started.	
HOTEL & GARAGE	Cost, \$100,000.
PASADENA, Los Angeles Co., Calif.	
125 South Grand Avenue.	
One-story class A reinforced concrete addition to hotel and garage.	
Owner—Hotel Vista del Arroyo, premises.	
Architect—Not Given.	
Contractor—Orndorff Const. Co., 437 S Hill St., Los Angeles.	

Preparing Plans.

HOTEL	Cost, \$750,000
LAS VEGAS, Nevada.	NE Fremont and 7th Sts.
Two-hundred room hotel.	
Owner—Leigh Hunt, et al.	
Architect—Gilbert Stanley Underwood, California Reserve Bldg., Los Angeles.	

ICE AND COLD STORAGE PLANTS**Plans Being Prepared.**

ICE PLANT	Cost, \$—
TULARE, Tulare Co., Cal.	
One-story Spanish type ice plant, 100 by 60 ft.	
Owner—Central California Ice Co. (H. F. Allard), 702 P St., Fresno.	
Private plans.	

POWER PLANTS**Preparing Sketches.**

SUB-STATION	Cost, \$8000
total cost inclub. equip., \$100,000	
VALLEJO, Solano Co., Cal.	
Foot of Kentucky Street.	

One-story reinforced concrete sub-station (55x33-ft.; concrete roof, covered with tar and gravel).

Owner—Vallejo Electric Light & Power Co., Vallejo.

Plans by W. A. Jones, 403 Alameda St. Vallejo.

LODI, San Joaquin Co., Cal.—Pacific Gas & Electric Co., 245 Market St., San Francisco, has authorized an expenditure of \$14,800 to reconstruct the Lodi Sub-station, involving installation of new feeder lines equipped with latest type of automatic switches, new transformers and sub-station building to house new equipment.

SAN FRANCISCO—Until September 15, 11 A. M., bids will be received by Constructing Quartermaster, Fort Mason, for replacement of electric light poles fronting the N.C.O. Quartermaster at the Presidio. Specifications obtainable from above office.

CHICO, Butte Co., Cal.—Mayor A. R. Waters has started movement to acquire the privately owned electrical distributing system to operate as a municipal project. A bond issue will probably be submitted to secure funds to finance the purchase.

SANTA ROSA, Sonoma Co., Calif.—Pacific Gas and Electric Co., 245 Market St., San Francisco will commence reconstruction shortly on 20 miles of transmission line from Hopland Substation to Asti Substation. Estimated cost \$66,687.

Plans Being Figured—Bids Close Sept. 21, 11 A. M.

SUB-STATION	Cost, \$—
BERKELEY, Alameda Co., Cal.	
Campus of University of California Sub-station.	
Owner—University of California.	
Architect—Not Given.	
Plans obtainable from Cashier's Window, California Hall, University of California, upon deposit of \$50.	

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

WENATCHEE, Wash.—Burnet & Garke, Wenatchee, at \$31,400 awarded contract for general construction in connection with jail. Electric work awarded to John Owens, Wenatchee, at \$1,225 and plumbing and heating to Wells & Wade, Wenatchee, at \$6,550. Stewart Iron Works, Cincinnati, at \$9,900 low for jail equipment. Bids for the jail equip-

ment and elevator have been taken under further advisement.

PACIFIC GROVE, Monterey Co., Cal.—City council has started proceedings looking toward the purchase of the Lieb property as the site for a new city hall and civic center. The civic center project, it is understood, is yet in a very preliminary stage.

WINNEMUCCA, Nev.—R. L. Seltzer, Reno, at \$1,078.35 awarded contract by Humboldt County Commissioners for reroofing the county courthouse. A. E. Kibble Roofing Co. only other bidder at \$1,151.

Plans Being Completed.

REMODELING	Cost, \$30,000
STOCKTON, San Joaquin Co., Calif.	
Hunter Street.	
Remodel two-story brick and concrete fire house (four fire fighting units; rebuild front of building).	
Owner—City of Stockton.	
Architect—Peter S. La, 2130 N Commerce St., Stockton.	
Bids will be taken in about 2 weeks.	

Preparing Working Drawings.

HALL OF RECORDS	Cost, \$300,000
MARTINEZ, Contra Costa Co., Cal.	
Three-story Class A steel frame and basement concrete Class A Veterans' Bldg. and six-story class A Opera House, seating 4000; standing room, 500.	
Owner—City and County of San Francisco (S. F. War Memorial).	
Architects—G. A. Lansburgh, 140 Montgomery St., and Arthur Brown, Jr. 251 Kearny St.	
Mrgs. of Const.—Lindgren & Swinerton, Inc., 225 Bush St.	
Following is a complete list of bids:	
(1) Opera House (2) Veterans' Bldg.	
(3) Bldg. deduct from 1 if awarded both buildings (4) deduct from 2 if awarded both buildings.	
Monarch Iron Works, 262 7th St. (1) \$16,965 (2) \$14,970.	
Federal Ornamental Iron Works (1) \$19,231 (2) \$16,238 (3) \$961 (4) \$12.	
Michel & Pfeffer Iron Works (1) \$20-500 (2) \$16,400.	
Anchor Post Fence Co. (1) \$21,128 (2) \$17,642.	
C. J. Hillard (1) \$21,763 (2) \$18,850 (3) \$413 (4) \$350.	
Folsom Street Iron Works (1) \$22-705 (2) \$20,370 (3) \$567 (4) \$514.	
Fair Manufacturing Co. (1) \$23,300 (2) \$21,300 (3) \$357 (4) \$300.	
California Artistic Metal and Iron Works (1) \$25,490 (2) \$19,560 (3) \$200 (4) \$150.	
Liberty Ornamental Iron Works (1) \$26,800 (2) \$17,750 (3) \$300 (4) \$200.	
Sartorius Company (2) \$21,400.	
Bids held under advisement.	

Revised Plans Being Completed.

FIRE STATION	Cost, \$—
WOODLAND, Yolo Co., Cal.	
Fire department building (in connection with city hall plant).	
Owner—City of Woodland.	
Architect—Chas. Dean, Sacramento.	

SAN QUENTIN, Marin Co., Cal.—J. W. Bender Roofing Co., 18th and Bryant Sts., San Francisco, at \$1,678 awarded contract by State Purchasing Dept. for roofing a building at San Quentin Prison.

Complete Bid Listing.
CITY HALL. Cost, \$—
LOS BANOS, Merced Co., Cal. J St.
between 5th and 6th Sts.
Two-story brick and reinforced concrete
combination fire house and
city hall.

Owner—City of Los Banos, V. G. Bryant,
City Clerk.
Plans by W. E. Redesen (engineer),
Shaffer Bldg., Merced.
As previously reported following
contracts awarded:

General Work — F. H. Riedle, Los
Banos.

Plumbing—R. Gardner, Los Banos.
Plastering—D. Falasco, Los Banos.
Painting—Chas. Tiller, Los Banos.

Following is a complete list of bids:

General Work
(1) concrete walls; (2) brick walls;
(3) omit tower; (4) omit ventilating
system.

H. S. Vickory, Stockton..... \$ 9,430
.....(1) 10,530
.....(2) 9,830
.....(3) 133
.....(4)

F. H. Riedle, Los Banos..... 9,836
.....(1) 10,236
.....(2) 10,036
.....(3) 875
.....(4) 350

Niel & Wertner, Turlock..... 9,903
.....(1) 11,177
.....(2) 10,933
.....(3) 660
.....(4) 100

D. Folasco, Los Banos..... 9,951
.....(1) 10,350
.....(2) 10,150
.....(3) 875
.....(4) 390

J. E. Toothacre, Stockton..... 10,028
.....(1) 10,534
.....(2) 10,128
.....(3) 773
.....(4) 300

Clyde D. Jones, Dos Palos..... 10,300
.....(1) 10,900
.....(2) 10,320
.....(3) 636
.....(4) 300

Liner & Allen, Merced..... 10,313
.....(1) 11,353
.....(2) 10,933
.....(3) 771
.....(4) 300

The Minton Co., Palo Alto..... 10,660
.....(1) 11,840
.....(2) 10,890
.....(3) 773
.....(4) 200

E. H. Mellencamp, Oakland..... 10,900
.....(1) 12,000
.....(2) 11,500
.....(3) 1,100
.....(4) 200

Sorensen & Haggmark, S. F. 11,781
.....(1) 11,532
.....(2) 11,322
.....(3) 950
.....(4) 130

J. P. Williams, Fresno..... 11,970
.....(1) 12,571
.....(2) 12,171
.....(3) 700
.....(4) 400

R. T. Bush, Modesto..... 11,997
.....(1) 12,671
.....(2) 12,402
.....(3) 1,025
.....(4) 305

Plumbing
(1) omit gas heat and hot water
heater; (2) omit floor drain in tower,
ded

R. Gardner, Los Banos..... \$1822
.....(1) 775
.....(2) 25
.....(3) 1945
.....(4) 675

C. T. Dole, Oakland..... 8
.....(1) 675
.....(2) 8
.....(3) 1983
.....(4) 830

Brandt Bros., Stockton..... 23
.....(1) 830
.....(2) 23
.....(3) 2131
.....(4) 873

Sanitary Plumbing Co., Merced 2131
.....(1) 873
.....(2) 12
.....(3) 2300
.....(4)

Wiring
(1) omit wiring in tower, deduct (2)
omit fans, deduct
John Cost, Los Banos \$357
.....(1) 10
.....(2)

Fitzgerald Elec. Shop, Los 451
Banos (1) 10
.....(2) 28
West Side Elec. Co., Los 599
Banos (1) 10
.....(2)

Sanitary Plumbing Co., Merced 684
.....(1) 25
.....(2) 20

Plastering
(1) omitting tower, deduct; (2) wood
lath is used, deduct.
Perry Bros., Stockton \$2238
.....(1) 142
.....(2) 452
D. Falasco, Los Banos..... 2470
.....(1) 120
.....(2) 460

Chas. H. Sheridan, Merced..... 2739
.....(1) 96
.....(2) 714

Painting
(1) If tower is omitted, deduct.
Chas. Toller \$416
.....(1) 7
Pacific Paint & Decoration Co. 579
.....(1) 46
W. J. Zrenberg, Merced..... 612
.....(1) 12
Raphael Co. 690
.....(1) 827
J. F. Ecker..... (1)

Linoleum
R. Schmidt Furniture, Merced..... \$347
Guyre, Los Banos..... 372
S. B. Dismuke 490
McLean Hardwood Floor Co. 715

FRESNO, Fresno Co., Cal.—Federal
Government has condemned the
Fresno county jail as "unsuitable for
confinement of Federal prisoners." Federal
prisoners housed in the institution
will be moved to other quarters.
A bond issue to finance construction
of a new courthouse and county jail
building was defeated recently.

RENO, Washoe Co., Nev.—Until Oct-
ober 9, 10 a. m., bids will be received
by H. W. Miles, secretary of the
board of trustees of the Washoe
County Library, for library furniture
as follows:
Stock numbers hereinafter referred
to are to be read as "Library Bureau
Number —, or equivalent."
9—No. 7064D—Olive green steel double
face stacks, each 6 feet long by 7
feet 6 inches high by 16½ inches
wide. Capacity 650 volumes. Non-
free-standing. End panels to match
wood furniture finish, in color.
Equipped with electrical conduits.
Electric light switches at ends of each
row of shelves.
3—No. 7064W—Olive green steel
single face stacks, each 6 feet long
by 7 feet 6 inches high by 10 inches
wide. Capacity 1650 volumes.
2—No. 7042—Oak single face units
for children's corner, each 60½ inches
high by 36 inches wide by 8 inches
deep, with 3 adjustable shelves, bulletin
board (hinged) and 2 shelves under
bulletin boards. Also corner unit.
2—No. 10435—Oak single face units
for large reference books, each 6 feet
10 inches high by 36 inches wide by
12 inches deep.
2—No. 7045—Oak units for maga-
zines, each 6 feet 10 inches high by
54 inches wide by 12 inches deep, each
with 80 label holders; each with 20
adjustable shelves, adjustable every
inch.
1—No. 2339-1R—Oak 9 tray, size
12.5 by 7.5 c. m., for shelf list, equipped
with screw front rods.

1—No. 2780—Oak flat top desk 60
inches by 34 inches by 30½ inches
high, with pedestal typewriter drop.
1—No. 710—Olive green storage
cupboard, 36 inches wide by 42 inches
high by 18 inches deep.
1—No. 20214—Olive green steel four
drawer letter size filing cabinet, for
photos, clippings, etc.
1—No. 7086—Oak dictionary stand,
pedestal type.
1—No. 7095-1—Oak Atlas case, Ped-
estal type, 30½ inches wide, 27½
inches deep, 39½ inches high. Six
sliding shelves.
1—No. 93515-1R—Oak 15-tray 12.5 by
7.5 c. m., catalog file, equipped with
screw front rods.
1—No. 90715—Oak top for above.
1—No. 90885—Oak 26 inches high leg
base for above.
4—No. 7653—Oak wall bulletin
boards 28 inches high by 36 inches
wide.
7—No. 7102-3—Oak tables 60 inches
long by 36 inches wide by 30 inches
high.
2—No. 7102-3—Oak tables 60 inches
long by 36 inches wide by 28 inches
high.
1—No. 7101-3—Oak round table 60
inches wide by 25 inches high.
1—No. 7248—Oak high chair for
charging desk.
43—No. 7251—Oak chairs, one for
use in office, adult height.
12—No. 7251—Oak chairs, 16 inches
high.
6—No. 7151—Oak chairs, 14 inches
high.
1—No. 41702—Oak typewriter chair
for office, armless swivel, with castors.
1—No. 7052-2—Oak newspaper racks,
pedestal style, 29½ inches long by 13½
inches wide by 60 inches high, with
ten hooks.
1—No. 7607—Oak book truck, 35
inches high by 30 inches long by 14½
inches wide. Ball bearing rubber
wheels.
1—No. 7076—Oak book display stand,
52 inches high by 57½ inches wide by
19½ inches deep, pedestal type.
2—7031—Oak shelving, 36 inches
wide units, with bulletin board on
hinges. One initial and one additional
unit.
4—No. 7251—Oak chairs, adult size.
2—No. 1106—Office desks, flat top,
55 inches long 34 inches wide by 30½
inches high. Double pedestal type.
1—Typewriter.
1—No. 20214—Olive green steel, four
drawer, letter size filing cabinet, for
photos, clippings, etc.
4—No. 93515-1R—Oak 15-tray cata-
log case for 12.5 by 7.5 c. m. cards,
equipped with screw front rods.
1—No. 90715—Top for same.
1—No. 90835—Base for same, 17
inches high.
300—Label holders for No. 7064D
steel stacks, listed above.
300—Book supports for No. 7064D
steel stacks, listed above.
1—No. 7101—Olive green finish steel
storage cabinet, approximately 78
inches high by 40 inches wide by 18
inches deep.
All equipment tendered must match
in finish with that now installed in
the headquarters of the Washoe
County Library.
Specifications and illustrations may
be seen at the office of the Secretary
of the Board. Delivery must be on
or before December 1, 1931.

RESIDENCES

Sub-Contracts Awarded.
RESIDENCE Cost, \$70,000
PIEDMONT, Alameda Co., Cal. Pied-
mont Estates.

Two-story and basement frame and
stucco residence (Italian style,
tile roof, ornamental iron, marble,
gas heat, vapor system, landscap-
ing).

Owner—R. K. H. a. m., Latham Square Bldg., Oakland.

Architects—Noble and Archie T. Newson, Russ Bldg., San Francisco.

Contractor—A. Cedarborg, 1455 Excelsion Blvd., Oakland.

Excavation—Arliss-Knapp Co., 961 41st St., Oakland.

Lumber—Sunset Lumber Co., 400 High St., Oakland.

Mill Work—Lannom Bros. Mfg. Co., 5th and Magnolia Sts., Oakland.

Sub-bids are being taken on other portions of the work.

Sub-Contracts Awarded.

RESIDENCE Cost, \$25,000
SAN FRANCISCO. Jackson St. near Presidio Avenue.

Two-story and basement frame and stucco and brick veneer residence (steam heating gas burner).

Owner—Bruce Cornwall, 2301 Pacific Avenue.

Architect—Willis Polk & Co., 277 Pine Street.

Contractor—A. F. & C. W. Mattock, 212 Clara St.

Lumber—J. H. McCallum, 748 Bryant Street.

Stairs—E. D. Philbrick, 41 Sheridan Street.

Electric Work—Collonan Elec. & Mfg. Co., 3211 Mission St.

Brick—W. A. Rainey, 323 Clementina Street.

Ornamental Iron—Anchor Post Fence Co., 460 5th St.

Mill Work—Sunset Lumber Co., 400 High St., Oakland.

Plumbing and Heating—A. Ramazzotti, 1473 Vallejo St.

Sub-Contracts Awarded.

RESIDENCE Cost, \$10,000
SONORA, Tuolumne Co., Cal.

Two-story and basement frame and stucco residence (Spanish style; 8 rooms, 2 baths; hot air heating, hardwood floors, tile roof, ornamental iron, tile baths).

Owner—W. L. Price, Sonora.

Architect—G. N. Hilburn, Elks Bldg., Modesto.

Contractor—Ecker & Staggmiller, 1658 S San Joaquin, Stockton.

Excavation and Cement Work—John Whitney, Jamestown.

Plumbing—R. D. Leonard, Sonora.

Wiring—Home Wiring Co., 141 S California St., Stockton.

Mill Work—Electric Planing Mill, Hazelton and Monroe, Stockton.

Structural Steel—Zerwick Company.

Sheet Metal—R. D. Leonard, Sonora.

Painting—N. E. Smith, Sonora.

Plastering—O. S. Hibberd.

Tile—Stockton Tile Co., 523 E Channel St., Stockton.

Sub-bids wanted on ornamental iron and roofing.

Contract Awarded.

RESIDENCE Cost, \$6000
STOCKTON, San Joaquin Co., Cal. Clarks Lane.

One-story and basement frame and stucco residence (6 rooms).

Owner—Louis Stedmiller.

Plans by Owner.

Contractor—Ecker & Stedmiller, 1658 S. San Joaquin St., Stockton.

Contract Awarded.

RESIDENCE Cost, \$11,000
SAN MATEO, San Mateo Co., Cal. No. 509 Clock Street.

Two-story and basement frame and stucco residence (9 rooms, 2 baths; asbestos roof; gas heating system).

Owner—Florence E. Williams, 443 Occidental Ave., San Mateo.

Plans by Frank Ruhl.

Contractor—Frank Ruhl, 468 Midway St., San Mateo.

Low Bidder.

RESIDENCE Cost, \$70,000
PALO ALTO, Santa Clara Co., Cal.

Two-story and basement frame and stucco residence (tile roof; swimming pool; library; maid's quarters; considerable landscaping).

Owner—Mrs. Madeline Meyer.

Plans by Austin Pierpont, Ojai Ave., Ojai, Calif.

Low Bidder—William Short, 2121 Waverly St., Palo Alto.

Preparing Working Drawings.

RESIDENCE Cost, \$14,000
PALO ALTO, Santa Clara Co., Cal.

Two-story and basement frame and stucco residence (8 rooms, 2 baths).

Owner—F. G. White, 627 Bryant St., Palo Alto.

Architect—Birge M. Clark, 310 University Ave., Palo Alto.

Bids will be called for shortly.

Contract Awarded.

RESIDENCE Cost, \$7750
SAN FRANCISCO. Funston Ave. east of Balboa St.

Two-story and basement frame and stucco residence (8 rooms; tile and composition roof, gas heating system).

Owner—H. Hasken, 725 25th Ave.

Architect—Fabre and Hildebrand, 110 Sutter Street.

Contractor—Carl Wengard, 546 Sansome Street.

Sub-bids will be taken shortly.

Plans Completed.

RESIDENCE Cost, \$—
SAN FRANCISCO. 22nd Ave. near Ulloa Street.

Two-story and basement frame and stucco residence (6 rooms; tile and composition roof, gas heating system, hardwood floors, tile bath and kitchen).

Owner and Builder—C. Ingerman, 2395 20th Avenue.

Architect—Fabre and Hildebrand, 110 Sutter Street.

Sub-bids will be taken within a few days.

Bids Opened.

RESIDENCE Cost, \$7000
LOS ALTOS, Santa Clara Co., Calif.

Los Altos Country Club property.

Two-story and basement frame and stucco residence (Spanish style, tile roof).

Owner—Miss M. E. Hammersmith.

Architect—C. S. McKenzie, 415 Twoby Bldg., San Jose.

Low Bidder—Gibson & Son, 1475 Hammon Ave., Palo Alto.

Following is a complete list of bids:

Gibson & Son, Palo Alto.....\$6,450

Add for steel sash.....150

M. W. Roose, San Jose.....6,537

P. M. Doyle, Mt. View.....6,704

C. F. Keesling, San Jose.....6,898

Gottschalk Bros., Mt. View.....6,955

Dyke Walton, San Jose.....7,320

J. C. Monk, Los Gatos.....7,493

The Minton Co., Palo Alto.....7,642

J. C. Thorp, San Jose.....7,715

Bids held under advisement.

Owner Taking Segregated Bids.

RESIDENCE Cost, \$12,000
BURLINGAME, San Mateo Co., Cal.

Burlingame Hills.

One-story and basement frame and stucco residence (shingle roof, gas heating system).

Owner—G. M. Taylor, Magnolia Ave., Millbrae Highlands.

Architect—Ed Musson Sharpe, 525 Market St., San Francisco.

Contract Awarded.

RESIDENCE Cost, \$5,250
OAKLAND, Alameda Co., Cal. Fernwood.

Two-story frame and stucco residence (6 rooms, double garage).

Owner—A. T. & Doris B. McCord, 115 Nova St., Oakland.

Architect—F. H. Slocombe, 3830 Harrison St., Oakland.

Contractor—Harry C. Knight, 327 17th St., Oakland.

Plans Being Prepared.

RESIDENCE Cost, 50,000
BURLINGAME, San Mateo Co., Calif. Location withheld

2½-story steel frame and reinforced concrete fireproof residence (15 rooms, 6 baths; steel battledock floor and steel ceiling).

Owner—Withheld.

Plans by Walter King Co. Building Promoters, 312 Call Building, San Francisco.

The insulation and acoustics will be given particular attention. Bids will be called for in about thirty days.

Plans Being Revised.

RESIDENCE Cost, \$15,000
HILLSBOROUGH, San Mateo Co., Cal.

Two-story and basement frame and stucco residence (9 rooms, 5 baths, tile roof, garage for 3 cars).

Owner—Dr. Bell.

Architect—Gardner Dailey, 425 Mason St., San Francisco.

Plans will be refigured by the following three low bidders on previous call for bids:

Wm. Short, 2121 Waverly St., Palo Alto.

Jacks & Irvine, 74 New Montgomery St., San Francisco.

A. F. & C. W. Mattock, 212 Clara St., San Francisco.

Sub-Bids Being Taken.

RESIDENCE Cost, \$—
SAN FRANCISCO. 22nd Avenue near Ulloa Street.

Two-story and basement frame and stucco residence (6 rooms; tile and composition roof, gas heating system, hardwood floors, tile bath and kitchen).

Owner and Builder—C. Ingerman, 2395 20th Avenue.

Architect—Fabre and Hildebrand, 110 Sutter Street.

Plans Being Completed.

RESIDENCE Cost, \$7000
SAN MATEO, San Mateo Co., Calif. Casa Mateo.

One-story and basement frame and stucco residence (6 rooms, 2 baths, shingle roof, gas heating system, hardwood floors, colored tile baths and kitchen; old English type).

Owner and Builder—Castle Bldg. Co., 330 Market St., San Francisco.

Architect—Not Given.

Sub-bids will be taken with in a few days.

Construction To Start Immediately.

RESIDENCES Cost, \$6000 to \$15,000
SAN FRANCISCO. Adjoining Sutro

Heights and facing on Anza, Geary Point Lobos, Clement, 45th, 46th, 47th and 48th Avenues and Harwood Bldg.

Four hundred 1-story and basement and 2-story and basement frame stucco residences (laundry, social hall, tile roof, gas heating system, tile baths and kitchens).

Owner and Builders—Kiernan & O'Brien, 47th and Geary Sts., (Tract office).

Architect—Albert H. Larsen, 447 Sutter Street.

Sub-bids will be taken by owners shortly.

Sub-Bids Being Taken.

RESIDENCE Cost, \$11,000
SAN JOSE, Santa Clara Co., Cal.

Rankin near First Street.

Two-story and basement frame and stucco residence (8 rooms).

Owner and Builder—Clyde Alexander, 329 S. 17th St., San Jose.

Plans by Owner.

Plans Being Figured.
RESORT Total cost, \$50,000
TAHOE, California.
 Two hundred cottages (log siding, wood frame, wood interior partitions, v-type galvanized iron roof, wood floors, electric heating system).
 Owner—Walter J. Reid, Lakewood Lodge, Lake Tahoe.
 Architect—Not Given.
 Work will be carried on by owner over a period of five years.

Contract Awarded.
RESIDENCE Cont. Price, \$6450
LOS ALTOS, Santa Clara Co., Cal.
 Los Altos Country Club Property.
 Two-story and basement frame and stucco residence (Spanish style; tile roof).
 Owner—Miss M. E. Hammersmith.
 Architect—C. S. McKenzie, 415 Twohy Bldg., San Jose.
 Contractor—Gibson & Son, 1475 Hamilton Ave., Palo Alto.

Sub-Contracts Awarded.
RESIDENCE Cost, \$6000
OAKLAND, Alameda Co., Cal. East Oakmore Avenue.
 Two-story frame and stucco residence. Owner—Wallace A. Peterson, 1914 Central St., Oakland.
 Architect—Not Given.
Lumber—Buy City Lumber Co., 48th Ave. and E 12th St., Oakland.
Sheet Metal & Heating—M. C. Henry, 1183 53rd St., Oakland.
 Hardwood flooring, tile, plastering, painting, sash and doors and millwork bids being taken.

Sub-Bids Being Taken. Cost, \$7500
BURLINGAME, San Mateo Co., Cal.
 One-story and basement frame and stucco bungalow (5 rooms; English tile, shingle roof, gas furnace, hardwood floors, colored tile bath).
 Owner—E. T. Mitchell.
 Plans by Coleman and Gillam, 1401 Broadway, Burlingame.
 Contractor—G. W. Williams Co., Ltd., Crawford Bldg., Burlingame.

SCHOOLS

Plans Being Figured—Bids Close Sept. 22nd, 7:30 P. M.
SCHOOL Cost (1st unit) \$10,000
SALINAS, Monterey Co., Cal.
 One-story frame and stucco school (tile roof, gas appliance heat).
 Owner—Spring School District.
 Architect—Charles F. Butner, Glikbarg Bldg., Salinas.

Plans Being Figured—Bids Close Sept. 22nd, 7:30 P. M. Cost, \$40,000
SALINAS, Monterey Co., Cal. Lincoln and Roosevelt Schools.
 Alterations and additions to frame and stucco schools (tile roofs, steam heating system to connect to main heating plant).
 Owner—Salinas City School District.
 Architect—Charles F. Butner, Glikbarg Bldg., Salinas.

Plans Being Figured—Bids Close Sept. 23rd. Cost, \$7500
FALL RIVER MILLS, Shasta Co., Cal.
 One-story frame and stucco school (2 classrooms).
 Owner—Fall River Mills Elementary School District.
 Architect—Ralph D. Taylor, Alturas.
 Bevel siding exterior finish, wood frame, wood and plaster interior partitions, composition shingle roof, V. G. Oregon pine and cement floors, hot air heating system, coal and wood furnace, V. G. Oregon pine interior finish.

Plans Completed.
LIBRARY Cost, \$117,000
CHICO, Butte Co., Cal. State Teachers' College.
 One and two-room library and classroom building (20,000 sq. ft.).
 Owner—State of California.
 Architect—Chester Cole, First Nat'l Bank Bldg., Chico.
 Brick construction, concrete floors, concrete pile foundation, terra cotta tile roof.
 Plans will be forwarded to Sacramento for approval immediately.

Sub-Contracts Awarded.
SCHOOL Cont. Price, \$17,990
ALPINE, San Joaquin Co., Cal.
 One-story and basement school (four rooms; brick construction; steam heat; tile roof).
 Owner—Alpine School District, L. K. Marshall, Clerk.
 Architect—Davis-Pearce Co., 47 North Grant St., Stockton.
 Contractor—Swanson & Chance, Turlock.
Plumbing, Heating and Sheet Metal—Henderson Bros. Hardware Co., Lodi.
Structural Steel—Sellers Iron Works, 945 E. Pilgrim St., Stockton.
Mill Work and Glass—Union Planing Mill, Taylor and Sutter, Stockton.
Roofing—Wilkins Roofing Co., Turlock
Lumber—Valley Lumber Co.
Finish Hardware—Austin Bros., 544 E-Main St., Stockton.
Blackboards—Fred Turner, 557 Market St., San Francisco.
 As previously reported, brick work awarded to Dick Williams, Country Club Bldg., Stockton; plastering to John Perry, Bank of America Bldg., Stockton; electric work to Grove Elec. Co., Brentwood; lumber and building materials to Brentwood Lumber Co., Brentwood; painting to M. Larne, Brentwood.

To Ask Mechanical Bids Shortly.
SCHOOL Cost, \$100,000
REDWOOD CITY, San Mateo Co., Cal.
 NE Katherine and Grand Sts.
 Two-story concrete school (Spanish type, ten classrooms, club house, auditorium and cafeteria).
 Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
 Contractor—L. N. Pollard, 55 Brewster St., Redwood City.
 Bids will be taken separately for plumbing, heating, ventilating and electric work.

Plans Being Figured—Bids Close Sept. 12. Cost, \$4000
WILLOW, Glenn Co., Cal.
 Music and sunroom addition to High School gymnasium.
 Owner—Willows High School District.
 Plans by Arthur Remper, Ardis.
 The per diem wage to be paid the crafts on this project follow:
 Carpenters, \$6; carpenters' helpers, \$5; plasterers, \$10; hod carriers, \$7; roofers, \$6; lathers, \$7; painters, \$7; electricians, \$7; electricians' helpers, \$6; concrete workers, \$3; plumbers, \$9; common laborers, \$3.

Plans Being Figured—Bids Close Sept. 17. Cost, \$—
JACKSON, Amador Co., Cal.
 Furnish and install steam heating system and oil burning equipment.
 Owner—Jackson School District, J. R. Lorenson, Secretary, Board of Education.
 Architect—Not Given.
 Certified check 10% required with bid. Plans obtainable from secretary.

Preliminary Plans Awaiting Approval.
SCIENCE BLDG. Cost, \$100,000
SAN FRANCISCO, State Teachers' College (124 Buchanan St.)
 Three-story reinforced concrete class B science and chemistry building (classrooms, lecture auditorium to seat 200, chemistry laboratories & supply rooms).
 Owner—State of California.
 Architect—S. Helman, 605 Market St.
 Preliminary plans have been forwarded to Sacramento for approval.

Plans Being Figured—Bid Opening Date Extended to Sept. 19, 10 A. M.
GRAPHING Cost, \$—
REDWOOD CITY, San Mateo Co., Cal.
 Grading Eagle Hill School Site; grading and terracing rear and front of the new school building grounds.
 Owner—Redwood City School District.
 C. H. Uhlenberg, clerk.
 Architect—A. I. Coffey and M. J. Rist, 1126 Phelan Bldg., San Francisco.
 Certified check 10% payable to C. H. Uhlenberg, clerk of the district, required with bid. Plans obtainable from the architects on deposit of \$10, returnable.

NOTE—Bids for this project were scheduled to have been opened Sept. 5th, but due to failure of the school trustees to specify the "prevailing wage rate" in the call for bids the time for opening was extended to September 19, 10 A. M.

Plans Being Figured—Bid Opening Date Extended to Sept. 19, 10 A. M.
SCHOOL Cost, \$—
REDWOOD CITY, San Mateo Co., Cal.
 Eagle Hill Section.

One-story reinforced concrete school (6 classrooms).
 Owner—Redwood City School District.
 C. H. Uhlenberg, clerk.
 Architect—A. I. Coffey and M. J. Rist, 1126 Phelan Bldg., San Francisco.
 Certified check 10% payable to C. H. Uhlenberg, clerk of the district, required with bid. Plans obtainable from the architects on deposit of \$10, returnable.

NOTE—Bids for this project were scheduled to have been opened Sept. 5th, but due to failure of the school trustees to specify the "prevailing wage rate" in the call for bids the time for opening was extended to September 19, 10 A. M.

Sub-Bids Wanted. Cost, \$150,000
WARD BLDG., ETC.
ELDRIDGE, Sonoma Co., Cal.
 One-story ward building and one-story addition to school (Ward building will have reinforced concrete foundations, floors, walls and partitions, roof of wood frame covered with clay tile. School addition to have reinforced concrete foundation and exterior walls, wood floors, wood frame roof covered with clay tile).
 Owner—State of California.
 Architect—Powers & Ahnden, 605 Market St., San Francisco.
 William Spivock, Hobart Building, San Francisco, general contractor, desires sub-bids in connection with above for which bids are to be opened September 22, 2 p. m.

Contract Awarded. Cont. price, \$6950
HEATING
HOLLISTER, San Benito Co., Cal.
 Install heating and ventilating system in uncompleted first and second units of high school plant.
 Owner—San Benito County High School District, J. M. O'Donnell, president of the Board of Trustees.
 Architect—W. H. Weeks, 525 Market St., San Francisco.
Heating and Ventilating—Scott Co., 113 10th St., Oakland.

Additional Bidders.
ADDITION Cost, \$12,000
KENTFIELD, Marin Co., Cal. Marin Junior College Campus.
 One-story four-classroom addition to Science Building (wooden frame, stucco exterior, tile roof).
Owner—Marin Junior College District, Kentfield.
Architect—A. A. Cantin, 514 Market St., San Francisco.
 Following are additional contractors, others reported August 29th:
 Young & Horstmeier, 461 Market St., San Francisco.
 O. H. Smith, Freitas Bldg., San Rafael.
 S. J. Bertelsen, 30 Estrella, Berkeley.
 Frank Lamb, Vallejo, Calif.

Heating Contract Awarded.
MISCELLANEOUS UNITS COST \$—
SANTA ROSA, Sonoma Co., Cal.
 (a) electrical work (b) special fixture work for Science Union of Junior College and (c) for heating one or more buildings of the College.
Owner—Santa Rosa Junior College District, J. B. Bridgeford, Secretary, 109 E Washington St., Petaluma.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Heating—W. H. Picard, 5656 College Ave., Oakland, \$3727.
 As previously reported, electric work awarded to K. F. Stolling, Santa Rosa, at \$4200; special fixtures to C. F. Weber & Co., 650 2nd St., San Francisco, at \$11,815.

SAN MATEO, San Mateo Co., Cal.—
Fred Medart Mfg. Co., 7 Front St., San Francisco, as \$4.59 each, awarded contract by San Mateo Union High School District to furnish and install 250 olive green steel lockers, single tier, 12x12x72 inches with two steel shelves inside at top, approximately 9 inches apart, without legs, without locks, but with eye for padlocks. Lockers are to be installed in the Burlingame High School and are to be constructed in sections of four or five lockers each, but the following combinations must be made: 1 group 44 lockers; 1 group 43 lockers; 1 group 22 lockers.

Following is a complete list of bids:
H. M. Schick Products Co., San Francisco (each) \$3.95
All Steel Co. 4.22
Berger Mfg. Co., S. F. 4.34
Worley & Co., S. F. 4.42
Fred Medart Mfg. Co., S. F. 4.59
Lyons Metal Prod. Co., S. F. 4.60

Plans Being Figured—Bids Close Sept. 16, 10 A. M.
SHOWER BLDG. Cost, \$—
CLEAR LAKE, Lake Co., Cal.
 Erect girls' shower building.
Owner—Clear Lake Union High School District, Victor Eickhoff, clerk, Clear Lake.

Architect—Not Given.
 Bond of 50% of the contract price will be required of the successful bidder. Plans obtainable from the clerk.

Sub-Bids Wanted.
WARD BLDG., ETC. Cost, \$150,000
ELDRIDGE, Sonoma Co., Cal.
 One-story ward building and 1-story addition to school (ward building will have reinforced concrete foundations, floors, walls and partitions, roof of wood frame covered with clay tile. School addition to have reinforced concrete foundation and exterior walls, wood floors, wood frame roof covered with clay tile).
Owner—State of California.
Architect—Powers and Ahnden, 605 Market St., San Francisco.
 H. L. Petersen, 731 Treat Ave., San Francisco, general contractors, desire sub-bids on all portions of the work

in connection with above, for which general bids are to be opened Sept.

SAN FRANCISCO—Kamlan Fence Co., 351 Bryant St., at \$960 submitted low bid to the Board of Public Works for metal fencing at the Balboa High School. Complete list of bids follows:
 Kamlan Fence Co. \$ 960
 Standard Fence Co. 1069
 Anchor Post Fence Co. 1084
 Michel & Pfeffer Iron Works 1193
 West Coast W. & I. Works 1372
 Western Steel & Wire Co. 1500

BANKS, STORES & OFFICES

Sub-Bids Being Taken.
ALTERATIONS Cost, \$15,000
SAN FRANCISCO. SW Sutter and Stockton Streets.
 Alterations to five-story Class C steel frame, brick and terra cotta office building (wood floors).
Owner—Walter Perry Johnson, City Hall, San Francisco.
 Plans by Fred Whitton.
 Construction Mgr.—Fred Whitton, 369 Pine St., San Francisco.

Contracts Awarded.
REMODELING Cost, \$15,000
HOLLISTER, San Benito Co., Cal.
 Remodel baking plant.
Owner—Myer Baking Co. (P. W. Myer), 730 San Benito St., Hollister.
 Private plans.
General Contract—C. B. Younger, Hollister.
Electric Work—Hollister Elec. Works, Hollister.
Plastering—E. C. O'Brien, Hollister.
Tile Work—C. L. Frost, Monterey.
Plumbing—Brown & Chappell, Hollister.

Approximately \$3000 will be expended in remodeling the exterior front and general remodeling of bakery salesrooms. The remaining \$12,000 will be expended in the installation of new fixtures and equipment.

Construction Postponed Indefinitely.
ALTERATIONS Cost, \$—
SAN FRANCISCO. E Grant Ave., bet. Post and Sutter Sts.
 Alterations to store and loft building.
Owner—Withheld.
Architect—Bertz, Winter & Maury, 210 Post St., San Francisco.
 Lessee—Podesto & Baldocchi, Prem.
 Work will be held up for approximately one year.

Plans Being Completed.
NEWSPAPER BLDG. Cost, \$—
POMONA, Los Angeles Co., Cal. SE Third and Thomas Streets.
 Three-story and basement reinforced concrete newspaper building (119x120 feet); (tile and composition roof, freight and passenger elevator; steel sash).
Owner—Pomona Progress-Bulletin.
Architect—Lincoln Rogers, 2412 W. Seventh St., Los Angeles.
 Bids will be taken in about one week.

Additional Sub-Contracts Awarded.
OFFICE BLDG. Cost, price, \$5798
OAKLAND, Alameda Co., Cal. Telegraph Avenue.
 Two-story frame office building (composition roof).
Owner—Withheld.
Architect—Williams and Wastell, 374 17th St., Oakland.
Contractor—F. A. Kurtz, 364 41st St., Oakland.
Lumber—Sunset Lumber Co., 400 High St., Oakland.
Brick Work—Martin Muller, 222 23rd Ave., San Francisco.
Fixtures—Roberts Mfg. Co., 663 Mission St., San Francisco.
 Other awards reported Sept. 3, 1930.

Sub-Contracts Awarded.
STORE Cost, price, \$76,000
SANTA ROSA, Sonoma Co., Cal. 4th Street.
 Three-story brick and concrete store building (salesroom and offices; 60 by 90-ft.).
Owner—S. H. Kress and Co., 621 South Broadway, Los Angeles.
Architect—John Fleming, 1031 South Broadway, Los Angeles.
Contractor—Lindgren & Swinerton, Inc., California State Life Bldg., Sacramento.
Plumbing—Geo. Mitchell, Santa Rosa.
Lumber—Henry Laws, Santa Rosa.
Brick Work—W. Olson, Petaluma.
Reinforcing Steel—Truscon Steel Co., Call Bldg., San Francisco.
Miscellaneous Iron—Fair Mfg. Co., 617 Bryant St., San Francisco.
Marble—Vermont Marble Co., 244 Brannan St., San Francisco.
Terra Cotta—N. Clark & Son, 116 Natoma St., San Francisco.
Steel Sash—W. C. Lea, Los Angeles.
Electric Work—Jacobs Electric Co., Santa Rosa.
Sheet Metal—Forderer Cornice Works, 269 Potrero Ave., San Francisco.
Elevator Doors—Peele Company.
 As previously reported, caissons awarded to Hunt & Sanderson Co., Los Angeles.

Contract Awarded.
ALTERATIONS Cost, \$15,000
SAN FRANCISCO. SW Sutter and Stockton Streets.
 Alterations to present office building.
Owner—Walter Perry Johnson, City Hall.
 Plans by Mr. Simons.
 Mgr. of Const.—Fred Whitton, 369 Pine Street.

Preparing Plans.
NEWSPAPER BLDG. Cost, \$100,000
PASADENA, Los Angeles Co., Calif.
 NE Fair Oaks Ave. and Union St.
 Two-story and basement reinforced concrete newspaper building (133x92-ft.; elevator, steam heating system).
Owner—Pasadena Post.
Architect—Bennett and Haskell, First Trust Bldg., Pasadena.

Plans Being Completed.
ADDITION Cost, \$81,000
SACRAMENTO, Sacramento Co., Cal.
 Two-story and basement reinforced concrete addition to State Printing Office.
Owner—State of California.
Architect—Martin A. Sheldon, Monadnock Bldg., San Francisco.
Structural Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Heating Engineer—Leland & Haley, 58 Sutter St., San Francisco.
 Plans will be completed in about 2 weeks.

Plans Being Figured.
ALTERATIONS Cost, \$—
SAN FRANCISCO. Market St. near 5th St.
 Alterations to second floor of store (new partitions, painting, fixture work, etc.).
Owner—The Emporium.
 Plans by Eng. Dept. of Owner.

Sub-Contracts Awarded.
REMODELING Cost, \$15,000
FRESNO, Fresno Co., Cal. NW Fulton and Kern Streets.
 Remodel interior for department store.
Owner—Thrift Department Stores, Los Angeles.
 Private plans.
Contractor—Fred J. Stone, Mason Bldg., Fresno.
Steel—Elye Co., 346 G St., Fresno.
Plastering—N. McKenzie, 3512 Illinois St., Fresno.
Painting—J. A. Venard, Tulare and L Sts., Fresno.

Truss Contract Awarded.
STORE Cost, \$5500
SAN FRANCISCO. N Chestnut St. E
 There St.
 One-story and basement reinforced
 concrete store.
 Owner—A. Myre, 1840 Turk St.
 Plans by Owner.
 Contractor—Christianson Brothers, 687
 20th Street.
Trusses—Summerbell Truss Co., 354
 Hubart St., Oakland.

Sub-Contracts Awarded.
STORE Cost, \$14,000
OAKLAND. Alameda Co., Cal. Broad-
 way and Telegraph Ave. near 17th.
 One-story class C concrete store.
 Owner—Mary A. Bowles.
 Architect—Douglas Deane Stone, Gt.
 Western Power Bldg., Oakland.
 Contractor—R. W. Littlefield, 337 17th
 St., Oakland.
Structural Steel—Herick Iron Works,
 18th and Campbell Sts., Oakland.
Painting—Raphael Co., San Francisco.
Lumber—Tilden Lumber Co.
Electric—Matson-Seabrooke Co.
Glass—East Bay Glass Co.
Millwork—Oakland Planing Mill.

THEATRES

Construction Postponed Indefinitely.
THEATRE Cost, \$2,000
SAN JOSE. Santa Clara Co., Cal. NE
 First and San Salvador Sts.
 Two-story class A reinforced concrete
 theatre and store building.
 Owner—Mrs. Norman M. Parrott and
 Morey B. Fleming.
 Lessee—United Artists Corp., 1966 S
 Vermont St., Los Angeles.
 Architect—Walker & Eisen and C. A.
 Balch, 1031 S Broadway, Los An-
 geles, and 580 Market Street, San
 Francisco.
 Contractor—Barrett & Hilt, 918 Har-
 rison St., San Francisco.

WHARVES AND DOCKS

Plans Being Figured—Bids Close Oct.
 1, 2 P. M.
DOORS Cost, \$—
SAN FRANCISCO. Pier No. 39.
 Seven steel rolling doors in bulkhead
 building.
 Owner—State of California (Harbor
 Commissioners), San Francisco.
 Engineer—Frank White, Ferry Bldg.
Sub-Contracts Awarded.
BULKHEAD BLDG.
 Contract price, \$31,230
SAN FRANCISCO. Head of Pier 39.
 Steel frame stucco front bulkhead
 building (tar and gravel roof).
 Owner—State of California (Harbor
 Commission).
 Engineer—Frank G. White, chief engi-
 neer, Ferry Bldg.
 Contractor—William Spivock, Hobart
 Building.
Structural Steel—Judson Pacific Co.,
 609 Mission St.
Wheel Guards—Enterprise Foundry
 Co., 2902 19th St.
Miscellaneous Iron—Sims & Gray, 550
 Bryant St.
Glass—W. P. Fuller Co., 301 Mission
 Street.

MISCELLANEOUS CONSTRUCTION

Completing Plans—Contract Awarded
MUSEUM Cost, \$8500
GRANVILLE. Butte Co., Cal.
 One-story stone and rustic museum.
 Owner—Native Sons and Daughters,
 Oroville.
 Architect—Cole & Brouhard, Chico.
 Contractor—William Hibbard, 905
 Meyers St., Oroville.
 Construction will start in about
 three weeks.

MOUNTAIN VIEW. Santa Clara
 Co., Cal. Bids received September 8
 by the trustees of the Mountain View
 Union High School District will be
 opened September 11, 8 p. m., to con-
 struct two asphaltum-concrete tennis
 courts at school grounds.

Contract Awarded
BARN Cont. price, \$6,586
SAN JOSE. Santa Clara Co., Cal.
 Milpitas Road.
 Construct feeding barn at County
 Almshouse.
 Owner—County of Santa Clara, Henry
 A. Pfister, county clerk.
 Architect—C. S. McKenzie, 45 Twohy
 Bldg., San Jose.
 Contractor—The Minton Co., 243
 Hamilton Ave., Palo Alto.
 Following is a complete list of bids:
 C. J. Smith, San Jose.....\$4,577
 The Minton Co., Palo Alto.....6,586
 Doyle Bldg. Co., San Jose.....6,612
 George Homar, San Jose.....6,735
 Paul Anderson, San Jose.....6,844
 Thermotite Construction Co., San
 Jose.....6,896
 J. Newell, San Jose.....7,240
 Collins & Martin, San Jose.....7,368
 R. O. Summers, San Jose.....7,678
 F. T. Edmans, San Jose.....7,824
 J. D. Carlson, San Jose.....7,969
 J. C. Thorp, San Jose.....8,188

SAN JOSE. Santa Clara Co., Cal.—
 Anchor Post Fence Co., 460 5th St.,
 San Francisco, at \$5,482.28 submitted
 low bid to county supervisors to con-
 struct wire fence on the Junipero
 Serra Boulevard in Supervisor Dis-
 trict No. 5 (being proposed highway
 through Stanford University Campus)
 approximately six miles in length.
 Following is complete list of bids re-
 ceived:
 Anchor Post Fence Co., San
 Francisco.....\$5,482
 California Wire Cloth Co. San
 Francisco.....5,536
 Standard Fence Co., San Fran-
 cisco.....5,659
 Jos. Galpa, Los Gatos.....5,962
 Bids held under advisement.

Contract Awarded.
MISC. WORK Cont. price, \$8002
SAN JOSE. Santa Clara Co., Cal.
 Milpitas Road.
 Construct chicken laying and runs at
 County Almshouse.
 Owner—County of Santa Clara, Henry
 A. Pfister, county clerk.
 Architect—C. S. McKenzie, 415 Twohy
 Bldg., San Jose.
 Contractor—Doyle Bldg. Co., 1237 Hes-
 ter Ave., San Jose.
 Following is a complete list of bids:
 Thermotite Const. Co. San Jose.....\$10,720
 J. C. Thorp, San Jose.....(2) 9,196
 R. O. Summers, San Jose.....(2) 9,318
 Minton Co., Palo Alto.....(2) 9,238
 J. D. Carlson, San Jose.....(2) 9,586
 F. T. Edmans, San Jose.....(2) 9,612
 C. J. Smith, San Jose.....(2) 10,247
 Collins & Martin, San Jose.....(2) 10,558
 Paul Anderson, San Jose.....(2) 10,625

Plans To Be Prepared.
FIELD HOUSE \$5,000 available
RICHMOND. Contra Costa Co., Cal.
 Nicholl Park.
 Field House.
 Owner—City of Richmond, A. C. Faris,
 city clerk, Richmond.
 Architect—Not Yet Selected.
 The city council has voted to pro-
 vide \$5000 in the 1931-32 budget to fi-
 nance this structure.

Plans Being Prepared
DEPOT Cost, \$22,000
SAN JOSE. Santa Clara Co., Cal.
 One-story brick passenger and freight
 depot.
 Owner—Southern Pacific R. R. Co., 95
 Market St., San Francisco.
 Plans by Eng. Dept. of Owner.

OAKLAND. Calif.—Until Sept. 14,
 4 30 P. M., bids will be received by G.
 E. Hagar, secretary, City Port Com-
 mission, Grace Street Pier, to con-
 struct and place 70-ft. structural steel
 ladder for port dredge. Specifications
 obtainable from secretary.

Plans Being Completed.
MAUSOLEUM Cost, \$10,000
LOS ANGELES. Cal. Calvary Ceme-
 tery.
 Marble and bronze mausoleum (6
 crypts).
 Owner—Trixie Frigman.
 Architect—Arnold Constable, 559 Mar-
 ket St., San Francisco.
 Marble—E. Morell & Bellows, Italy.
 Bronze bids will be taken shortly.

To Ask Sub-Bids.
COLISEUM Cost, \$200,000
RENO. Nevada. West Second St.
 One-story brick and steel coliseum
 (200x300-ft.).

Owner—Coliseum Holding Co., Inc.,
 Reno.
 Architect—George E. Koster, Arcade
 Bldg., Reno.
 Contractor—W. K. Owen, 3145 Pleit-
 ner St., Fruitvale, Cal., and Heidt-
 man Bldg., Reno.
 W. K. Owen will receive bids in
 about two weeks on all sub-contracts
 at the Reno address only. Refrigeration
 will be received by H. R. May,
 Heidtman Bldg., Reno, during the
 same period.

Plans Being Figured—Bids Close Sep-
tember 11 8 P. M.
ELECTRIC EQUIP. Cost, \$—
ALBANY. Alameda Co., Cal.
 Furnish and install electrical equip-
 ment for flood lighting in double
 tennis courts at city park.
 Owner—City of Albany (Park Com-
 mission, P. A. McCormack, Sec-
 retary), Albany.
 Architect—Not Given.
 Certified check 10% payable to sec-
 retary required with bid. Specifi-
 cations obtainable from city clerk. Bond
 of \$500 will be required of the suc-
 cessful bidder.

Oakland convention city of the California
 Retail Lumbermen's Association. The
 meeting will convene November 19,
 20 and 21 and will bring 500 delegates
 representing 1500 lumber yards in all
 parts of the state, as well as 200
 delegates from the allied products,
 such as roofing, wallboard and paint
 industries. It is planned to hold the
 sessions in the Hotel Oakland.

Pacific Coast industry and com-
 merce will unite in Oakland, Septem-
 ber 17 and 18 at the Pacific Foreign
 Trade Council Convention with the
 determination to use every effort for
 an early return to normal conditions.
 The principal California representatives
 with their numerous investments in
 agriculture and industry in general
 will be fully represented at the sum-
 ming international trade conference to
 be held in the Hotel Oakland. The
 majority of these state-wide business
 organizations have recorded their esti-
 mate of the meeting's outstanding
 importance in letters to the Con-
 vention Headquarters, Oakland Chamber
 of Commerce.

Engineering News Section

BRIDGES

SACRAMENTO, Cal.—Until Sept. 14 bids will be received by Harry Hall, county clerk, to construct a concrete bridge at Grizzly. Estimated cost \$8,000. Plans obtainable from County Engineer Chas. Deterding, Jr.

STOCKTON, San Joaquin Co., Cal.—Until Sept. 21, 11 A. M., bids will be received by Eugene D. Graham, county clerk, to construct bridge on the Prather Road over the North Calaveras river, two miles north of Linden. Certified check 10% payable to chairman of the Board of Supervisors required with bid. Plans obtainable from Julius Mauthney, county surveyor.

UKIAH, Mendocino Co., Calif.—Bids will be asked shortly by the county supervisors to construct a bridge over the Russian river at Redwood Station. The proposal to construct the bridge under an emergency measure, by day labor, has been abandoned.

SAN JOSE, Santa Clara Co., Cal.—Until September 14, 5 P. M., bids will be received by John J. Lynch, city clerk, to construct reinforced concrete bridge in San Augustine street over Guadalupe Creek, involving:

- (1) 695 cu. yds. concrete (not including hand rail);
- (2) 258 lin. ft. hand rail;
- (3) 42.47 tons steel;
- (4) 800 cu. yds. excavation;
- (5) 87 piles (150 yards concrete);
- (6) 24,200 sq. ft. forms.

Certified check 10% payable to city required with bid. Plans obtainable from City Engineer Wm. Popp on deposit of \$10, returnable. Attention of bidders to the official call for bids citing the "prevailing wage scale," published on page seven of this issue, is called to bidders.

SAN FRANCISCO—American Iron & Bronze Works, Fifth and Chestnut Sts., Oakland, has prepared sub-bids on the bronze bearing plates and other work on the Lincoln Way Viaduct in connection with the Sunset Blvd. project and desires to get in touch with general contractors figuring the project. Bids for this work will be opened by the San Francisco Board of Public Works on September 16.

RED BLUFF, Tehama Co., Cal.—Bids will be asked at once by county supervisors to construct an 866 ft. steel bridge and approach over the Sacramento river at Bend, six miles north of Red Bluff. The cost is estimated at \$48,500. Quantities of materials involved will be published shortly.

SACRAMENTO, Cal.—Until September 14, 10 A. M., bids will be received by Harry W. Hall, county clerk, to construct a reinforced concrete bridge on the Lower Stockton Road, approximately 400 ft. south of the Elk Grove Road.

Separate bids, will be received at the same hour to construct a concrete bridge over Grizzly Slough.

Certified check 10% payable to Chairman of the Board of Supervisors required with bid. Plans obtainable from Chas. Deterding, Jr., county surveyor. Prevailing wage rates to be paid on these projects follow: Car-

penters, \$9.00; concrete finisher, \$9.00; cement laborer, \$6.95; concrete mixer operator (small), \$8.00; laborer, common, \$4.00; laborer, construction, \$5.00; reinforced steel workers, \$9.00; truck drivers, \$6.00. For any craft not included in the list the minimum per diem wage shall be the general prevailing wage for the location as determined by the Board of Supervisors and shall not be less than \$4.00 per day. Double time shall be paid for work on Sundays and Holidays; one and one-half time for overtime.

SEATTLE, Wash.—Pacific Coast Steel Co., Coleman Bldg., Seattle, awarded contract to furnish steel sheet piling in connection with the substructure of the \$350,000 bridge for the Northern Pacific Railway over the Duwamish Waterway. Contract for the superstructure is held by the Wallace Bridge & Structural Steel Co., Seattle, at a figure said to be about \$120,000. Approximately 800 tons of steel are involved.

GLENDALE, Los Angeles Co., Cal.—Mitty Bros. Const. Co., Detwiler Bldg., Los Angeles, awarded the contract by city council at \$13,829.90 for constructing reinforced concrete single span rigid frame bridge on Canada Blvd. across V e r d u g u e Wash. The bridge will be 43 ft. long and 68 ft. wide. The roadway will be 53 ft. with a 5-ft. walk on each side.

SANTA ROSA, Sonoma Co., Calif.—Until Sept. 22, 12 M., bids will be received by Geo. P. Sanborn, county clerk, for the construction of a 6 ft. by 9 ft. reinforced box culvert under Chapman Lane, Second Supervisorial District, involving:

- (1) 52 cu. yds. class A concrete;
- (2) 4718 lbs. reinforcing steel;
- (3) 62 cu. yds. structure excavation.

Prevailing wages for the project are: Carpenter \$6; foreman, \$7; laborer, \$4; cement finisher, \$7; reinforcing steel men, \$5; hoist operator, \$6; truck drivers, \$5; powder men, \$6; concrete mixer man, \$5; any classification omitted herewith not less than \$4. Overtime one and one-half times the above rates; Sundays and holidays double the above rates.

SANTA ROSA, Sonoma Co., Cal.—Until Sept. 22, 12 M., bids will be received by Geo. P. Sanborn, county clerk, for the construction of two timber bridges on Trenton-Woolsey road in Second and Third Supervisorial Districts, involving:

- (1) 100 M. B. M. redwood lumber;
- (2) 6.5 M.B.M. redwood lumber, old to be placed;
- (3) 9000 lbs. structural steel, plates, bolts, beams, etc.;
- (4) 3,550 lin. ft. piles;
- (5) 875 cu. yds. approach fills.

Specifications may be obtained from the county clerk or E. A. Peugh, county engineer.

Rate of wages applying on this project are: Carpenter, \$6; foreman, \$7; laborer, \$4; hoist operator, \$6; structural iron worker, \$5; painters, \$6; truck drivers, \$5; powder men, \$6; hoist engineer, \$6; pile driver foreman, \$5; riggers, \$6; spool tender, \$5. Any classification omitted herein not less than \$4. Overtime one and one-half times the above rates. Sundays and holidays double the above rates.

LOS ANGELES, Cal.—W. D. Armstrong, county bridge engineer, Hall of Records, preparing plans authorized by the Los Angeles county board for a grade separation to be built in the city of Redondo Beach. The structure will carry Susana Ave. over the Pacific Electric Railway. The construction will be of reinforced concrete but no other details are available at this time.

DREDGING, HARBOR WORKS & EXCAVATIONS

MARYSVILLE, Yuba Co., Cal.—Until Sept. 11, 3 P. M., under Specification No. 3662, Circular Proposal No. 32-63, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, for placing five retards along the banks of the Yuba river between Rubke Bend and a point near the Dantoni Orchard, about one mile above the town of Marysville. Retards will be of the following approximate lengths of steel sections: one, 24 ft., one 36-ft., two 60 ft. each, and one 72 ft. Specifications and further information obtainable from above.

REDWOOD CITY, San Mateo Co., Cal.—The Citizens' Harbor Development Committee of Redwood City, representing commercial interests of the Peninsula, has offered to spend \$500,000 toward an enlarged and deepened Redwood City harbor if the Federal Government would expend \$250,000. The offer was made at a public hearing held in Redwood City by Lieutenant Colonel H. A. Finch of the U. S. Engineer Department.

OAKLAND, Calif.—Until Sept. 14, 4:30 P. M., bids will be received by G. E. Hegardt, secretary, City Port Commission, Grove Street Pier, for clamshell dredging along the key wall near the Market Street Pier. Project involves 6,000 cubic yards. Specifications obtainable from secretary.

SAN FRANCISCO—Until September 16, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, for levee repairs at the San Francisco (Mills Field) Municipal Airport; estimated cost \$4000. Bids are wanted under two propositions as follows:

Proposition No. 1—550 hours of repair, building up and filling in foreshore of existing levee, per hour.

Proposition No. 2—80 hours dredging a boat and tide gate channel, per hour. Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineering, 3rd Floor, City Hall, on deposit of \$10, returnable.

BAY POINT, Contra Costa Co., Cal.—Standard Dredging Co., 414 13th St., Oakland, awarded contract by Armstrong Cork Co. for dredging in Suisun Bay at Bay Point to fill lands in connection with the proposed plant to be constructed by the latter company and the Congoleum-Nairn, Inc., which also contemplates the erection of plant at the same location. The dredging contract involves approximately 350,000 yards.

IRRIGATION PROJECTS

LINDEN, San Joaquin Co., Cal.—Election will be held September 28 in the Linden Irrigation District to vote bonds of \$93,000 to finance construction of irrigation works including a pumping plant and pipe lines and miscellaneous other works in connection therewith. Fred H. Tibbets, consulting engineer, Alaska Commercial Bldg., San Francisco. A. L. Cowen is secretary of the district.

STREET LIGHTING SYSTEMS

SAN DIEGO, Cal.—Until 10 A. M. Sept. 21, bids will be received by city council to install ornamental lighting system, consisting of pressed steel lighting standards, globes, canopies, refractors, lamps, safety coils, cables, wires connections, fittings and appurtenances and cement concrete island in S. Kettner Boulevard and India St. 1911 Act. A. H. Wright, city clerk.

LOS ANGELES, Cal.—Until 10 a. m., September 23, bids will be received by board of public works to construct ornamental lighting system in Grand Blvd., bet. Venice Blvd. and Kinney Plaza, under 1911 act, involving Lalux concrete posts. Note: date has been changed from September 16 (previously announced) to September 23, as shown above, in order to allow the board to adopt a prevailing wage scale.

MACHINERY AND EQUIPMENT

SACRAMENTO, Cal.—Until Sept. 15, 3 P. M., bids will be received by the U. S. Engineer Office, California Fruit Bldg., Sacramento, under Circular Proposal No. 32-64, Specification No. 2687/1763, for traveling crane, trucks, trolley and electric chain hoist.

OAKLAND, Alameda Co., Cal.—Contractors Machinery Exchange, 1135 5th Ave., Oakland, at \$5000 submitted lowest bid to East Bay Municipal Utility District to furnish and deliver one ditcher machine. Following is a complete list of bids:

Contractors Machinery Exchange,	Oakland	\$5000
Garfield & Co., S. F. (a).....		5000
Harron, Rickard & McCone Co.,	San Francisco (b)	6364
Jenison Machinery Co., S. F.....		7225
Edward R. Bacon Co., S. F.....		7330
(a) less 3% cash, 30 days; (b)	alt. bid	7959

Bids held under advisement.

BERKELEY, Alameda Co., Cal.—Hall-Scott Motor Co., 2850 7th Street, Berkeley, at \$385 awarded contract by city council to furnish new motor for truck for Fire Department.

OAKLAND, Calif.—City council rejects bids received to furnish 4-wheel drive motor street planer for the street department and the equipment will be purchased in the open market. Walter N. Frickstad is city engineer.

LOS ANGELES, Cal.—Concrete Machinery & Supply Co., 777 E Gage Ave. awarded contract at \$19,826 (based on alternate proposal 1), Aug. 31, by the Los Angeles city purchasing agent, Thomas Coughton, for furnishing one 1½-yard revolving type shovel under Spec. N. 2554 for department of water and power.

FRESNO, Fresno Co., Cal.—Frankie Motor Co., Fresno, at \$2380 awarded contract by city council to furnish motor ambulance.

SPARKS, Nev.—Nevada Transit Co. Reno, Nev., awarded contract by city council at \$4135 for furnishing one White truck, with cab, hoist and 3-yd. dump body.

S. Peterson, Sparks, Nev., awarded contract at \$7020 for furnishing one 1-piece portable rock crushing plant and for one road grader with 10-ft. blade, leaning wheel type, with scarifier attached, at \$1744. One 10-ton, 4-cylinder, gas road roller at \$4395.

FRESNO, Fresno Co., Cal.—Buckner Manufacturing Co., Fresno, at \$1362.50 awarded contract by city council to furnish tractor and lawn mower.

FIRE ALARM SYSTEMS

RICHMOND, Contra Costa Co., Cal.—City council will provide a \$2750 appropriation in the 1931-32 budget to finance installation of a police and fire alarm system in the Richmond Annex District. A. A. Paris, city clerk. E. A. Hoffman, city engineer.

FIRE EQUIPMENT

SAN FRANCISCO—American Rubber Mfg. Co., Matson Bldg., at \$9.91 ft. awarded contract, under Proposal 748, by City Purchasing Agent, to furnish 2,000 ft. of ¾-inch cotton rubber-lined fire hose; delivery within 60 days.

Pioneer Rubber Mills, 353 Sacramento St., at \$0.46 ft. awarded contract to furnish 16,000 ft. 2½-in. hose; delivery within 30 days, and at \$0.295 ft. for 5,000 ft. 1½-in. hose, delivery within 35 days.

SANTA CRUZ, Santa Cruz Co., Cal.—Lawrence Cusack has been appointed by the Corralitos Fire District to secure estimates of cost for a motor fire truck.

RESERVOIRS AND DAMS

SAN JOSE, Santa Clara Co., Cal.—Harry L. Haehl, civil engineer, Humboldt Bank Bldg., San Francisco, commissioned by the Santa Clara Valley Water Conservation District to check plan of Fred H. Tibbets, consulting engineer, Alaska Commercial Bldg., San Francisco, for the construction of a series of dams and wells in connection with the proposed \$5,000,000 water works project of the district. An election will be held shortly to vote bonds to finance this project.

SAN JOSE, Santa Clara Co., Cal.—In a report submitted to the directors of the Santa Clara Valley Water Conservation District, Fred H. Tibbets, consulting engineer, Alaska Commercial Bldg., San Francisco, recommends the construction of five detention reservoirs at an estimated cost of \$5,600,000. The report calls for the construction of reservoirs on each of the following creeks: Coyote, Calero, Almaden, Guadalupe and Stevens. The Coyote reservoir is to have a capacity of 60,000-acre-feet; the Almaden dam to contain 2500-acre feet; the Calero 9000-acre feet; the Guadalupe 3500-acre feet, and the Stevens Creek storage place, 4000-acre feet.

LOS ANGELES, Cal.—Until 2 P. M. Sept. 14, bids will be received by county supervisors for diamond core drilling of west abutment of San Dimas Dam, involving:

- (1) 50 ft. holes, 150 ft. or less in depth, drilled through any material, casing left in place and including cost of casing;
- (2) 950 ft. holes, 150 ft. or less in depth, drilled through any material, no casing used.

E. C. Eaton, 202 N. Broadway.

county flood control equipment. Mame B. Beatty, 303 Hall of Records, Clerk of the Board.

BAKER, Ore.—W. H. Puckett and Co., Boise, Idaho, at \$71,085 awarded contract by U. S. Bureau of Reclamation to construct Thief Valley Dam near Baker.

CANAL ZONE—Three low bidders on Madden Dam project for the Panama Canal Commission, under Schedule No. 2655, were previously reported in these columns. Following is a complete list of the bids received:

F. W. E. Callahan Constr. Co., 1220 Arcade Bldg., St. Louis, and Peterson, Sharkey & Gunther, Omaha, Nebr., \$4,047,407.

D. Arundel Corp., Pier 2, Pratt St., Baltimore, \$4,587,550.

E. Winston Bros. Co., Northwestern Bank Bldg., Minneapolis, Minn., and Bent Bros., Inc., Los Angeles, Calif., \$4,651,683.50.

Bid A. Hardaway Contracting Co., Columbus, Ga., \$4,753,616.50.

B. Weslee Corp., Charlotte, N. C., \$4,831,239.

H. Frederick Snare Corp., 114 Liberty St., N. Y. City, \$5,427,544.

G. General Construction Co., 553 Colman Bldg., Seattle, Wash., \$6,236,152.50.

C. MacDonald & Kahn Co., Ltd., and Morrison-Knudsen Co., 200 Financial center Bldg., San Francisco, \$6,281,530.

PANAMA CANAL ZONE—Until October 14, 10:30 A. M., under Schedule No. 2685, bids will be received by the Panama Canal Commission, Munitions Bldg., Washington, D. C., to furnish and install hydraulic and electrical apparatus for Madden Power Plant.

PIPE LINES, WELLS, ETC.

SAN FRANCISCO—Macdonald and Kahn, Financial Center Bldg., at \$125,485 (Prop. 4, with metal flumes across depressions) awarded contract by Board of Public Works to construct the Crystal Springs Aqueduct in connection with the Hetch Hetchy project. A complete list of the unit and total bids received on this project published in issue of Sept. 3.

MODESTO, Stanislaus Co., Cal.—Directors of the Modesto Irrigation District and members of the Modesto City Council are conferring on proposed piping of a section of Lateral No. 4 because of its danger to children. Preliminary estimates place the cost of the work at \$175,000. Tentative plans provide that the city pay a portion of the cost.

SAN FRANCISCO—Steel Tank and Pipe Co. of California, 1100 Fourth St., Berkeley, at \$42,287 awarded contract by Board of Public Works to construct the Lower Cherry Aqueduct in connection with the Hetch Hetchy Water Project. Complete list of unit and total bids received on this project published in issue of Aug. 29.

BAKERSFIELD, Kern Co., Cal.—W. H. Bradford, 2208 Pacific Ave., Bakersfield, awarded contract by county supervisors for drilling a 12-in. water well at the county hospital. The bid was: (1) drilling 12-in. well to and including 350 ft., \$3.86 ft., (2) 350 ft. to 450 ft., \$4.17 ft.

SEWERS AND SEWAGE DISPOSAL PLANTS

SALINAS, Monterey Co., Cal.—See "Waterworks" this issue. Bids wanted by city council to furnish and install sewage pump in pit in Pajaro St.

LAS VEGAS, Nevada.—See "Water-works" this issue. Bids wanted by U. S. Reclamation Service to construct water purification plant and a sewage disposal plant at Boulder City.

SAN FRANCISCO.—C. B. Eaton, 715 Ocean Ave., at \$12,375 awarded contract by Board of Public Works to construct Ingalls Street sewer. Complete list of unit and total bids received on this project published in issue of August 27.

WESTMORELAND, Imperial Co., Cal.—Until 7:30 P. M., October 1, bids will be received by the Westmoreland Sanitary District to construct sewer laterals involving:

- (1) 17,000 ft. 8-in. vitrified sewer;
- (2) 3,000 ft. 10-in. vitrified sewer;
- (3) 3,000 ft. 12-in. vitrified sewer;
- (4) 51 manholes;
- (5) 6 flush tanks.

Plans by Currie Engineering Co., Anderson Bldg., San Bernardino. Certified check or bond, 10%.

INGLEWOOD, Los Angeles Co., Cal.—John Artukovich, 912 Atlantic Blvd., Hynes, awarded contract by city council, at \$33,589.71 to construct storm drain in Industrial Ave., between Edgewood St. and Ivy Ave., involving: 1683.81 ft. 78-in. dbl. medium R. C. P., including excavation and saddle; 195 ft. 24-in. dbl. medium R. C. P.; 33 ft. 12-in. dbl. medium R. C. P.; 16 ft. 8-in. class B cast iron pipe; macadam pave.; curbs, etc.

OAKLAND, Cal.—W. J. Tobin, 527 Balfour St., Oakland, awarded contract by city council to construct sewer in Moraga Ave. and in County Road No. 1109 (Moraga Road) from Estate Drive to manhole in place at east termination of existing 6-inch sewer in the county road east of Pala Ave., involving: 4069 lin. ft. 8-in. pipe sewer; 12 manholes; 2 8-in. lampholes; 8 12-in. lampholes; 24 Y branches. Complete list of unit and total bids received on this project published in issue of August 29.

WATER WORKS

FRESNO, Fresno Co., Calif.—Until Sept. 13, 11 A. M., bids will be received by H. S. Foster, city clerk, for furnishing cement lined cast iron water pipe as follows:

- (1) 1,856 ft. 4-in.;
- (2) 5,760 ft. 6-in.;
- (3) 7,264 ft. 8-in.;
- (4) 5,024 ft. 10-in.

Certified check 10% payable to the city required with bids. Specifications available at office of city clerk.

ANAHEIM, Orange Co., Cal.—Until 8 p. m., September 22, bids will be received by the Anaheim city council for furnishing cast iron pipe and fittings as follows:

- 4809 lin. ft. 4-in. pipe, AWWA, class B, or equal;
- 3000 lin. ft. 6-in. pipe AWWA, class B, or equal;
- 1600 lin. ft. 8-in. pipe, AWWA, class B, or equal;
- 3000 lbs. fittings, AWWA standard;

Said pipe and fittings shall be in accordance with Specifications for Cast Iron Water Pipe, Series of 1929-B, City of Anaheim. Certified check, 10%. Edward B. Merritt, city clerk.

LAS VEGAS, Nevada.—Until Oct. 5 10 A. M., bids will be received by the U. S. Bureau of Reclamation at Las Vegas, Nevada, for the construction of a water purification plant and sewage disposal plant at Boulder City, Nevada, Boulder Canyon Project, Arizona-California-Nevada. The work is located in Boulder City, about 25 miles southeast of Las Vegas, and at the

end of a branch line of the Los Angeles and Salt Lake Railroad.

The water purification plant will consist of a series of reinforced concrete tanks, chambers and compartments constructed principally below the ground level, with a two-story building, 19 by 64 feet, over a part of the concrete work. This building will have a tank tower at one end and two 1-story wings over other portions of the concrete work.

The sewage disposal plant will consist of reinforced concrete clarifier and digester tanks, a sludge pump chamber and a one-story brick building, 27 by 28 feet, erected over the digester tank and pump chamber.

The installation of the mechanical and electrical equipment for the plants will be included in the contract for the construction of the plants. This invitation for bids does not cover the purchase of materials which are to be furnished by the Government.

Copies of specifications may be obtained from the office of the Bureau of Reclamation at Denver, Colorado, or Las Vegas, Nevada. R. F. Walter, chief engineer.

DAVIS, Yolo Co., Cal.—Until Sept. 14, 8 P. M., bids will be received by F. A. Plant, city clerk, for furnishing and installing in Well No. 3 a deep well, turbine pump, complete, and a 50-hp., 440 volt, 3 phase, 60 cycle electric motor. Specifications may be obtained from J. D. Miller, engineer, 720 2nd St., Davis. Bids are requested for the following old equipment, the amount of which bid shall be deductible from the amount bid on the new equipment:

- (1) 1 30-hp., 440 volt, 3 phase, 80 cycle General Electric Vertical solid shaft motor.
- (2) 1 30-hp. P. G. & E. automatic compensator.
- (3) 1 Byron Jackson turbine pump head.
- (4) 50 ft. 7-in. column, shaft and tubing.
- (5) 1 set 10-in. bowls, 6 stage.

SANTA ANA, Orange Co., Calif.—Orange county supervisors will take bids about Sept. 21 to furnish 17,000 ft. of cast iron pipe, of 2-in., 4-in., and 6-in. diameter. The material and other materials, equipment and construction in the Westminster District will be paid for from the bond issue voted recently. W. K. Hillyard, county surveyor. J. M. Backs, county clerk.

OAKLAND, Cal.—Crane Co., Second and Brannan Sts., San Francisco, at \$5,840 awarded contract by East Bay Municipal Utility District to furnish approximately 50,000 ft. ¾-in. seamless copper tubing. Complete bid listing published in issue of August 28.

OAKLAND, Cal.—American Bitumuls Co., 200 Bush St., San Francisco, at \$6,075 per gallon awarded contract by East Bay Municipal Utility District to furnish and deliver 100,000 gallons emulsified asphalt.

LOS ANGELES, Cal.—Bids for furnishing five 8x12-ft. filter tanks for the Olympic swimming pool being erected at Exposition Park, under Spec. No. 2555, opened by city purchasing agent, August 23, follow:

Luitweiler Pump Co., \$2600 1%, 30 days.

Standard Boiler & Steel Works, \$2,690; net.

The Huber Co., \$2747; 2%, 30 days.

Southwest Welding & Mfg. Co., \$2,735.25, based on installation before structural steel erected; \$2990, based on installation after building completed.

Lacy Mfg. Co., \$2990; net.

Western Pipe & Steel Co. \$2795; net. Chemical Equip. Co., \$3297.65; 1%; 30 days.

National Tank & Mfg. Co., \$3540; 2%; 30 days.

Mortensen & Burnett, \$4965; 2%; 30 days.

Cutting Eng. Works, \$5998; 2%; 30 days.

LOS ANGELES, Cal.—Until 11 a. m., September 22, bids will be received by city purchasing agent, Thomas Oughton, for furnishing bypass valves, etc., under Specification No. 2598. The items are:

- (1) 4 6-in. cast steel needle bypass valves;
- (2) 1 6-in. 45-deg. flanged cast steel elbow;
- (3) 1 6-in. 45-deg. cast steel saddle nozzle;
- (4) 2 6x7½-in. cast steel flanged spacers;
- (5) 3 6x17-in. cast steel flanged spacers;
- (6) total lump sum bid.

LOS ANGELES, Cal.—Bids for furnishing gate valves under Specifications No. 2577 for department of water and power, opened by city purchasing agent, August 23, follow:

- (1) 12 24-in. square bottom type, flanged end, paralleled seat, double disc, non-rising stem gate valves without by-pass, f. o. b. department of water and power warehouse, 410 Ducommun St. or Hewitt St. spur, A. T. & S. F. R. R.

- (2) 2 48-in. round bottom type, flanged end, paralleled end, double disc, horizontal bevel geared gate valves without by-pass, f. o. b. department of water and power warehouse, Aetna and Vesper Sts., Van Nuys or S. P. team track, Van Nuys. Alternate (2) alternate bids will be received on item (2) for square bottom type. The bids follow:

- Waterworks Supply Co., (1) \$231, (2) no bid, (3) no bid; net.
- Pacific Pipe & Supply Co., (1) \$390.06, (2) \$2279.96, (3) \$2402.77; 2% 30 days.

- Warren & Bailey Co., (1) \$450.06, (2) \$3146, (3) no bid; 2% 30 days.

- John C. Bell Co.,* (1) \$420, (2) \$2790, (3) \$2790; 2%, 10 days.

- Rennselaer Valve Co., (1) \$292.60, (2) \$2075, (3) \$2260; 2% 30 days.

- Chapman Valve & Mfg. Co., (1) \$312 (2) \$1638.60, (3) \$1718; net.

*Bid irregular.

RICHMOND, Contra Costa Co., Cal.—City council will provide \$3500 in the 1931-32 budget to finance installation of pumping equipment in Nicholl Park. A. C. Faris, city clerk; E. A. Hoffman, city engineer.

SAN FRANCISCO—Until September 14, 3 P. M., under Proposal No. 753, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish standard weight galvanized steel pipe, in random lengths, threaded and coupled, f. o. b. 639 Bryant St., for the San Francisco Water Departments, as follows:

- (1) 10,000 ft. 1½-in.;
- (2) 25,000 ft. ¾-in.;
- (3) 2,000 ft. 1-in.;
- (4) 3,000 ft. 1½-in.

Specifications and further information obtainable from City Purchasing Agent, 270 City Hall.

TULARE, Tulare Co., Cal.—Directors of the Tulare Irrigation District will secure estimates of cost for pumping water on a wholesale basis for general distribution to members. Estimates are now being prepared for a test well to be 1,000 feet deep with 20-inch casing at the top, graduating the size of the casing to the 900 or 1,000 foot stratum. Cost of Diesel, gas

and electrical equipment is also being investigated.

CHICO, Butte Co., Cal.—Mayor A. R. Waters has started a movement to acquire the privately owned water distributing system to operate as a municipal project. A bond issue will probably be submitted to secure funds to finance the purchase.

LOS ANGELES, Cal.—R. D. Wood & Co., 110 N. Alameda St., submitted low bid to city purchasing agent, Thomas Oughton, for furnishing cast iron water pipe under Spec. No. 2597 for department of water and power.

SANTA ANA, Orange Co., Calif.—Orange county supervisors will take bids within next few weeks for pumping plant equipment for a well to be drilled in the Westminister district. W. K. Hillyard, county surveyor.

SANTA ANA, Orange Co., Calif.—W. K. Hillyard county surveyor, preparing plans for elevated steel tank and tower to be built in the Westminister district. Capacity about 100,000 gallons. Bids will be taken within the next few weeks.

SALINAS, Monterey Co., Cal.—Until September 21, 7:30 p. m., bids will be received by Geraldine Teichert, deputy city clerk, for furnishing and installing a sewage pump in the pit on Pajaro St. Between Sausal and Lake Sts. Certified check 10% payable to city. Specifications obtainable from the city clerk, Howard Cozens, city engineer. The following wages prevail for this project: Electricians, \$10; pump erectors, \$7; pump erectors' helpers, \$6; common laborers, \$5.10; any classification omitted here not less than \$4. Overtime—one and one-half times the above rates. Sundays and holidays, double the above rates.

PLAYGROUNDS & PARKS

BERKELEY, Alameda Co., Calif.—W. H. Larsen, 998 Sunnyhill Road, Oakland, at \$655 sq. ft. awarded contract by City Playground Directors for 20,000 sq. ft. of surfacing in connection with playground improvements. Hutchinson Co., 1450 Harrison St., Oakland, at \$99 sq. ft. awarded contract for 12,300 sq. ft. of surfacing tennis courts.

FRESNO, Fresno Co., Cal.—City council plans \$30,000 expenditure in the Frank H. Ball Playground at Mayor and A streets. The fund was left to the city for such purposes by the Ball Estate.

SAN FRANCISCO—Until September 16, 2:30 p. m., bids will be received by Board of Public Works to improve race track in Golden Gate Park, including furnishing and install water pipe and fittings. See item under "Streets and Highways," this issue.

STREETS AND HIGHWAYS

DOUGLAS COUNTY, Nev.—Until September 17, 2 p. m., bids will be received by the district engineer, C. H. Sweetser, U. S. Bureau of Public Roads, 461 Market St., San Francisco, for the construction of reinforced concrete box culverts on Section E, Route 3, Glenbrook National Forest Highway, Tahoe National Forest. Project involves:

- (1) 320 cu. yds. unclass. excavation for structures;
- (2) 230 cu. yds. of class "A" concrete;
- (3) 20,000 lbs. reinforcing steel.

Specifications obtainable from engineer upon deposit of \$10, returnable, checks for same to be made payable

to the Federal Reserve Bank of San Francisco.

CARSON CITY, Nev.—A. D. Drumm, Jr., Fallon, Nev., at \$17,765.37 awarded contract to the State Department of Highways for oiling a portion of the State Highway system in Clark County, between ten miles southeast of Las Vegas and Boulder City, known as Federal Lands Project No. 5, Clark 5 and 26-102 and A, Contract No. 205, involving:

- (1) 234,094 gal. asphaltic fuel oil applied to roadway surface.
- (2) 11.01 miles mixing asphaltic fuel oil with crushed rock or crushed gravel surface.
- (3) 11.01 miles rebuilding and finishing shoulders.

The following bids were received:

- | | |
|---|-------------|
| (a) A. D. Drumm, Jr., Fallon, Nev. | \$17,765.37 |
| (b) General Construction Corp., Las Vegas, Nev. | 18,005.13 |
| (c) Jack Casson, Hayward, Cal. | 18,999.46 |
| (d) Dodge Bros., Inc., Fallon, Nev. | 19,274.72 |
| (e) Pat Cline, Inc., Las Vegas, Nev. | 20,269.04 |
| (f) Triangle Rock & Gravel Co., Sany Bernardino, Cal. | 20,411.09 |

Unit bids follow:

	(a)	(b)	(c)
(1) .....	.0419	.044	.0475
(2)	445.00	475.00	475.00
(3)	10.00	25.00	25.00
	(d)	(e)	(f)
(1) .....	.0475	.051	.0515
(2)	485.00	500.00	500.00
(3)	40.00	25.00	25.00

COCONINO COUNTY, Ariz.—Until September 24, 10 a. m., bids will be received by C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, Office of Park Superintendent, Grand Canyon, Arizona, for constructing a plant-mixed bituminous treated crushed rock or crushed gravel surfacing on Section D of the South Approach to Grand Canyon National Park, Tusayan National Forest. Project involves:

- (1) 28,500 cu. yds. of crushed rock or crushed gravel for sub-grade reinforcement;
- (2) 120,000 cu. yds. hauling crushed rock or crushed gravel for sub-grade reinforcement;
- (3) 24,000 tons bituminous treated crushed rock or gravel surfacing;
- (4) 35,000 gals. oiling sub-grade.

Specifications obtainable from engineer upon deposit of \$10, returnable; checks for same to be made payable to the Federal Reserve Bank of San Francisco.

MARIPOSA COUNTY, Cal.—Until September 22, 2 p. m., bids will be received by R. E. Sweetser, district engineer, U. S. Bureau of Public Roads, 461 Market St., San Francisco, for grading Section A-1 of Route 5, Yosemite National Park, 8.96 miles in length. Project involves:

- (1) 58 acres clearing;
- (2) 33,000 cu. yds. unclass. excavation;
- (3) 553 cu. yds. unclass. excavation for structures;
- (4) 123,000 cu. yds. overhaul;
- (5) 8.996 miles finishing earth graded road;
- (6) 15 cu. yds. foundation fill;
- (7) 237 cu. yds. hand-laid rock embankment;
- (8) 120 cu. yds. masonry;
- (9) 4.916 lin. ft. C. M. pipe in place;
- (10) 101 cu. yds. class "A" concrete;
- (11) 11,000 lbs. reinforcing steel;
- (12) 3,000 cu. yds. cover slopes to be planted;
- (13) 19 acres removing and stock-piling duff.

Specifications obtainable from engineer upon deposit of \$10, returnable; checks for same to be made payable

to the Federal Reserve Bank of San Francisco. Guarantee of 5% of the bid required.

HAYWARD, Alameda Co., Cal.—Bids will be asked shortly by the city council to construct sidewalks and walks about the city hall and Veterans' Memorial Building. Plans for the work have been completed by City Engineer Jesse B. Holly. The cost is estimated at \$3,250 with additional \$1,750 for setting back curbs and electrolines in Castro St.

SAN FRANCISCO—Until September 30, 2:30 P. M., bids will be received by E. J. Hester, Secretary, Board of Public Works to improve Brussels St., Harkness to Wilde Ave., and others, involving:

- (1) 6000 sq. ft. of artificial stone sidewalks.
- (2) Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineering, 3rd Floor, City Hall.

SAN FRANCISCO—Until September 30, 2:30 P. M., bids will be received by E. J. Hester, Secretary, Board of Public Works, to improve Clarendon Ave., west of Stanyan St., involving:

- (1) 62 lin. ft. armored concrete curb;
- (2) 40 lin. ft. 6-in. V. C. P. side sewers;
- (3) 1250 sq. ft. asphaltic concrete pavement consisting of 2-in. asphalt conc. surface on 6-in. class "B" concrete base.

Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineering, 3rd Floor, City Hall.

VALLEJO, Solano Co., Cal.—Proceedings will be started by the city council shortly to improve streets in the Morningside residential tract in the northeast section of the city, the work to be done under the 1911 Act. The cost is estimated at \$30,000. T. D. Kilkenny is city engineer.

SALINAS, Monterey Co., Cal.—Until Sept. 21, 7:30 P. M., bids will be received by M. R. Keef, city clerk, (96) to improve California Street bet. Gabilan and Lake Sts., involving grading, h/d. cement concrete curbs, sidewalks, 5-in. h/d. cement concrete pavement. 1911 Act. Bond Act 1915.

Certified check 10% payable to city required with bid. Plans obtainable from Howard Cozens, city engineer. (See item to improve National St., in this issue, citing the official wage scale).

SAN JOAQUIN COUNTY, Cal.—Until Sept. 15, 2 P. M., bids will be received by R. E. Pierce, district engineer, State Highway Commission, to improve 8.8 miles between west boundary and a point near Banta, the existing asphalt concrete surface to be planned. Attention of bidders is called to the "prevailing rate of wages" to be paid on this project published in the official call for bids on page seven of this issue.

NEVADA COUNTY, Nevada Co., Cal.—Bids will be asked shortly by county supervisors to construct the Grass Valley - Peardale - Chicago Park Bear River county highway. Means of financing have been worked out, according to J. F. O'Connor, county surveyor, who announces that contractors will be paid on practically a cash basis. Financing of the road has been made through the Bank of America of California, which has agreed to take one half of the bond issue, while the county will retain the remainder of the six per cent bonds or pass them on to the contracting firm.

MENLO PARK, San Mateo Co., Cal.—Until September 15, 8 P. M., bids will be received by Fannie I. Kurtz, city clerk, (31-9) to improve Curtiss Street, Doyle Street and portions of other streets, involving:

- (1) 270 cu. yds. excavation;
 - (2) 62 cu. yds. embankment;
 - (3) 1,548 lin. ft. conc. curb and gutter (combination);
 - (4) 6,983 sq. ft. 4-in. concrete walk;
 - (5) 26,498.30 sq. ft. 2-in. asphalt, concrete wearing surface on 6-in. of waterbound rock base;
 - (6) 648 sq. ft. 6-in. x 3-ft. conc. Valley gutter;
 - (7) 11 driveway entrances;
 - (8) 162 lin. ft. 4-in. vit. salt glazed sewer service connections;
 - (9) 12 $\frac{3}{4}$ -in. domestic water services (216 lin. ft.)
- Estimated cost \$6800. 1911 Act. Bond Act 1915. Certified check 10% payable to City required with bid. Plans on file in office of clerk. Bert J. Mehl, city engineer.

MENLO PARK, San Mateo Co., Cal.—Until September 15, 8 P. M., bids will be received by Fannie I. Kurtz, City Clerk, (31-7) to improve Live Oak Ave. and portions of other streets, involving:

- (1) 138.50 cu. yds. embankment;
- (2) 3219.50 cu. yds. excavation;
- (3) 73,042 sq. ft. 2-in. asphalt, concrete wearing surface on 6-in. waterbound rock base;
- (4) 3542.23 lin. ft. conc. curb and gutter;
- (5) 16,122 sq. ft. 4-in. conc. walk;
- (6) 18 driveway entrances;
- (7) 18 $\frac{3}{4}$ -in. wrought iron domestic water services (each 47 ft. long)
- (8) 629 lin. ft. 6-in. sanitary clay pipe sewer main
- (9) 2 sanitary sewer manholes;
- (10) 642.96 lin. ft. 4-in. vit. salt glazed sewer services;
- (11) 1003.46 sq. ft. 6-ft. x 3-in. conc. valley gutters;
- (12) 2 brick storm drain tanks, together with C. I. frame and cover, with one cement concrete inlet chamber each, with C. I. frame and cover, with two 8-in. C. I. pipe connections;
- (13) 20 electrolytic lighting standards completely installed.

Estimated cost, \$20,000. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Bert J. Mehl, city engineer.

RIVERSIDE COUNTY, Calif.—Yglesias Bros., 580 Spreckels Bldg., San Diego, at \$240,916.70 awarded contract by U. S. Bureau of Public Roads for constructing 10,191 miles of highway, grading and structures on Section A of the Idyllwild-Desert National Forest Highway in San Bernardino National Forest. Complete list of unit and total bids received on this project published in issue of Aug. 13.

OAKLAND, Cal.—American Bitumuls Co., 200 Bush St., San Francisco, at \$9575 per gallon awarded contract by East Bay Municipal Utility District to furnish and deliver 100,000 gallons emulsified asphalt.

SALINAS, Monterey Co., Cal.—Until Sept. 15, 10 A. M., bids will be received by C. F. Joy, county clerk, for grading the Vineyard Canyon Road from the San Luis Obispo line eleven miles north in Supervisor District No. 4. Plans obtainable from County Surveyor Howard Cozens, on deposit of \$10, returnable. The prevailing rate of wages per diem to be paid on this work follows: Shovel operator, \$8; road foreman, \$7; truck crane operators, \$7; tractor operators, including 35-hp., \$5; tractor operators, over 35-hp., \$6; grader men, \$5; truck drivers, \$5; laborers, \$4. The rate for legal

holiday and overtime work is hereby ascertained to be not less than the general prevailing rate of per diem wages as heretofore fixed herein.

SAN BENITO COUNTY, Cal.—Until Sept. 23, 2 P. M., bids will be received by State Highway Commission to grade and pave with Portland cement concrete 5.5 miles between the southerly boundary and Pajaro river, involving:

- (1) 70 sta. clear and grub right of way;
 - (2) 257,300 cu. yds. rdwy. excavation without class;
 - (3) 1,167,000 sta. yds. overhaul;
 - (4) 80,000 cu. yds. imported borrow;
 - (5) 6150 cu. yds. struc. excav;
 - (6) 66,000 sq. yds. subgrade for pave;
 - (7) 13,800 cu. yds. class A cem. conc. (pave.);
 - (8) 1450 cu. yds. class A cem. conc. (struc.);
 - (9) 507,000 lbs. bar reinf. steel (pave. and struc.);
 - (10) 404 lin. ft. 8-in. corr. metal pipe;
 - (11) 700 lin. ft. 18-in. do;
 - (12) 1518 lin. ft. 24-in. do;
 - (13) 420 lin. ft. 30-in. do;
 - (14) 130 lin. ft. 36-in. do;
 - (15) 200 lin. ft. 8-in. perforated metal pipe underdrains;
 - (16) 75 cu. yds. conc. removed from existing pave;
 - (17) 6100 lin. ft. laminated timber guard rail;
 - (18) 315 timber guide posts;
 - (19) 96 culvert markers;
 - (20) 11.4 miles new property fence;
 - (21) 42 fence gates;
 - (22) 5500 tons crusher run base (borders and road approaches);
 - (23) 130 tons broken stone (bitum. mac. surf.);
 - (24) 8 tons asphalt road oil (bitum. mac. surface);
 - (25) 710 bbls. heavy fuel oil (borders);
 - (26) 2020 sq. yds. paved gutters and spillway inlet aprons;
 - (27) 292 sta. finish roadway;
 - (28) 117 monuments complete in place.
- State will furnish corrugated metal pipe and spillway assemblies.
- The prevailing rate of wages to be paid on this project will be published in the official call for bids to be printed in these columns shortly.

SANTA CRUZ, Santa Cruz Co., Cal.—Granite Const. Co., Watsonville, at \$10,459.05 submitted low bid to county supervisors for resurfacing San Lorenzo River Drive from Boulder Creek to Waterman Gap in the San Lorenzo Road District, involving:

- (1) 1000 tons granite rock;
- (2) 9000 gallons bitumuls L.R.M.;
- (3) 729,000 sq. ft. oil surfacing.

Only other bid submitted by J. P. Holland, San Francisco, at \$15,910.20.

Unit bids as follows:	Granite	Holland
(1)	\$3.45	\$4.80
(2) .....	.09	.10
(3) .....	.0085	.014

ALAMEDA, Alameda Co., Cal.—City Council contemplates erection of an 18-ft. wire fence on the south side of Lincoln Park to protect pedestrians outside the grounds.

OAKLAND, Cal.—Western Steel and Wire Co., 439 Bryant St., San Francisco, at \$5,136 awarded contract by East Bay Municipal Utility District to furnish 2,705 lin. ft. of 2-inch mesh link fence 6 ft. high with posts, fittings and barbed wire.

REDWOOD CITY, San Mateo Co., Cal.—Until Sept. 21, 10 A. M., bids will be received by E. B. Hinman, county clerk, for grading a portion of the Sneath Road from the NW boundary line of the Jersey Farm Company land known as Engineer's Station 36-36 through the lands of the J. F. Com-

pany to the west boundary line of the Skyline Blvd., known as Engineer's Station 76:73.53, lying within San Pedro Rancho and the First Road District of the county. The project involves:

- (1) 5700 cu. yds. clear and grade;
- (2) 8000 sta. yds. overhaul;
- (3) 140 lin. ft. culvert pipe installation
- (4) 4 reinf. conc. culvert head walls;
- (5) 16 reinf. conc. survey monuments.

Certified check or bidder's bond for 10% payable to County of San Mateo required with bid. Plans obtainable from County Surveyor James S. James at Redwood City.

SAN FRANCISCO—Until September 16, 2:30 p. m., bids will be received by S. J. Hester, secretary, Board of Public Works, to improve the race track in Golden Gate Park Stadium; estimate cost \$4,000. Bids are wanted under:

Proposition No. 1—Clearing track, harrowing; furnish and spread clay and all incidental work.

Proposition No. 2—Furnish and install water pipe and fittings.

Certified check 10% payable to clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineering, third floor, City Hall, on deposit of \$10, returnable.

BERKELEY, Alameda Co., Calif.—W. H. Larsen, 998 Sunnyside Road, Oakland, at \$655 sq. ft. awarded contract by City Playground Directors for 20,000 sq. ft. of surfacing in connection with playground improvements.

Hutchinson Co., 1450 Harrison St., Oakland, at \$99 sq. ft. awarded contract for 12,300 sq. ft. of surfacing tennis courts.

SAN FRANCISCO—Meyer Rosenberg, 1755 San Bruno Ave., at \$5,127 awarded contract by Board of Public Works for drainage and surfacing Joost Avenue Slide. Unit and total bids on this project published in issue of August 27.

VENTURA, Ventura Co., Cal.—All bids for furnishing Ventura county with road oil, asphaltum, and emulsified asphalt, received Aug. 18, were rejected by the county supervisors Sept. 1. The materials will be purchased by the county as needed.

SACRAMENTO, Cal.—Until Sept. 14, 10 A. M., bids will be received by H. W. Hall, county clerk, for resurfacing with asphalt macadam a portion of the Fruitridge road from the Upper Stockton road easterly.

Separate bids, same hour, for reconstruction of a portion of the Lower Stockton road with asphalt macadam.

Separate bids, same date, for reconstruction of a portion of the Jackson road with asphalt concrete.

Certified check 10% payable to the Chairman of the Board of Supervisors required with bid. Plans obtainable from County Engineer Chas. Deterding, Jr. The prevailing rate of wages will apply on the above projects: Grader operators, \$6; laborers, common, \$4; laborers, construction, \$5.50; roller operators, \$3; tractor operators, including 30-hp., \$5; tractor operators, over 30-hp., \$6; truck drivers, \$5. For any craft not included in the list the minimum per diem wage shall be the general prevailing wage for the location as determined by the Board of Supervisors and shall not be less than \$4 per day. Double time shall be paid for work on Sundays and holidays; one and one-half time for overtime.

SACRAMENTO, Cal.—Until Sept. 14, 10 A. M., bids will be received by H. W. Hall, county clerk, for the construction of asphalt macadam shoulders on the River Road.

Separate bids, same hour, for construction of asphalt concrete shoulders on the Parkways Blvd. from Carmichael to Fairgrounds.

Separate bids, same hour, for construction of an asphalt macadam shoulder on the Freeport Road from the Sutterville Road to Freeport and the construction of an asphalt macadam pavement on the Freeport Road from Twelfth Avenue to the Sutterville Road.

Certified check 10% payable to Chairman of the Board of Supervisors required with bid. Plans obtainable from Charles Deterding, Jr., county engineer. Following rate of wages will apply on the above projects: Asphalt-Plant engineer, \$10.00; asphalt plant dryerman, \$7.00; grader operator, \$6.00; laborers, common, \$4.00; laborers, construction, \$5.50; roller operators, \$3.00; tractor operators, including 30-hp., \$5.00; tractor operators, over 30-hp., \$6.00; truck drivers, \$6.00. For any craft not included in the list the minimum per diem wage shall be the general prevailing wage for the location as determined by the Board of Supervisors and shall not be less than \$4.00 per day. Double time shall be paid for work on Sundays and Holidays; one and one-half time for overtime.

NEVADA CITY, Cal.—Until September 15, 10 a. m., bids will be received by R. N. McCormack, county clerk, for the reconstruction of the county road between Grass Valley and Bear River via Empire Mine, Pearce and Chicago Park, 9.84 miles in length. Project involves:

- (1) 5.10 acres and 439 stations clearing right of way;
- (2) 34,800 cu. yds. roadway excavation;
- (3) 6,200 cu. yds. crusher run base;
- (4) 5,250 cu. yds. crushed rock to be salvaged;
- (5) 3,558 tons broken stone (bituminous macadam surface);
- (6) 239 tons emulsified asphalt;
- (7) 285 bbls. light fuel oil;
- (8) 1,574 lin. ft. 8-in. to 30-in. corrugated metal pipe;
- (9) 1.13 miles property fence.

Specifications obtainable from the county engineer, J. F. O'Connor, or from the county clerk, upon deposit of \$10. Checks to be made payable to the County of Nevada.

The wage scale prevailing for this project follows: Rates for eight-hour work day:

Common laborer, \$4; truck driver, \$4.50; tractor driver, \$5; grader men, \$4; shovel operator, \$10; shovel oiler, \$5; machine driller, \$4.75; compressor man, \$4; powder man, \$4; roller man, \$5; carpenter, \$6.

VENTURA, Ventura Co., Cal.—All bids for furnishing Ventura county crushed rock, gravel, and sand, received Aug. 18, were rejected by the county supervisors Sept. 1. The materials will be purchased by the county as needed.

TULARE, Tulare Co., Cal.—Until September 16, 8 p. m., bids will be received by C. A. Paulden, city clerk, (150) to construct cement concrete gutters in both sides of North J St., between San Joaquin St. and Bush St. 1911 Act. Certified check 10% payable to city required with bid. Plans on file in office of clerk.

SALINAS, Monterey Co., Cal.—Until Sept. 21, 7:30 p. m., bids will be received by M. R. Keef, city clerk, (97) to improve Nacional St. bet. Central Avenue and Park St., involving grading, hyd. cem. conc. curbs, sidewalks, 5-in. hyd. cem. conc. pavement. 1911 Act. Bond Act 1915.

Certified check 10% payable to city

required with bid. Plans obtainable from Howard Cozzons, city engineer. Rate of wages applying on this project are: Truck drivers (capacity of trucks over 1 cu. yd.), \$5.50 per day; truck drivers, (1 cu. yd. or under), \$4; oiler men, \$6; grader men, \$6; caterpillar operator (30-hp.), \$6; caterpillar operator (60-hp.), \$7.20; roller men, \$6; common laborers, \$4; concrete laborers, \$5.20; form setters, \$3; finishers, \$3; mixer men, \$7.20; foremen, \$8; skilled laborers, \$6; shovel operators, \$3. Any classification omitted herein not less than \$4. Overtime, one and one-half times the above rates. Sundays and holidays, double the above rates.

SAN RAFAEL, Marin Co., Calif.—County supervisors plan paying highway for an end of present pavement in Tamalpais Valley to Stinson Beach; oil macadam paving will be specified. Rodney Messner, county surveyor.

SAN FRANCISCO.—Bureau of Engineering, Dept. of Public Works, 3rd floor, City Hall, has completed specifications to improve Pacheco Street bet. 48th Avenue and the Gt. Highway; estimated cost, \$1,700. Project involves:

- (1) 235 lin. ft. armored concrete curb;
- (2) 50 lin. ft. 6-in. V.C.P. side sewer;
- (3) 5875 sq. ft. asphalt concrete pave;
- (2) 1-in. asph. conc. surface on 6-in. class F concrete base.

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SAN FRANCISCO.—Bureau of Engineering, Dept. of Public Works, 3rd floor, City Hall, has completed specifications to improve Garfield Street between Orizaba and Head Sts.; estimated cost, \$13,000. Project involves:

- (1) 5,950 cu. yds. excavation;
- (2) 300 cu. yds. embankment;
- (3) 979 lin. ft. unarmored conc. curb;
- (4) 8,150 sq. ft. 1-course conc. side-walk;
- (5) 4 brick catchbasins;
- (6) 90 lin. ft. 10-in. V.C.P. culverts;
- (7) 255 lin. ft. 8-in. V.C.P. sewer;
- (8) 236 lin. ft. 12-in. "
- (4) 1 brick manhole;
- (10) 16 12x6-in. Y or T branches;
- (11) 12 8x6-in. "
- (12) 535 lin. ft. 6-in. V.C.P. side sewer
- (13) 21,650 sq. ft. asph. conc. pave;
- 2-in. asph. conc. surface on 6-in. class F concrete base.

FAIRFAX, Marin Co., Cal.—Election will be called shortly by city trustees to vote bonds of \$45,000 to finance purchase of Fairfax Park to operate as a municipal project. Of the total amount to be voted, \$25,000 will go towards improvements in connection therewith, the remaining \$20,000 to clear off the obligation owed by the Fairfax Fire Department, present owners of the park. The \$25,000 improvement fund will be used to widen Sir Francis Drake Boulevard fronting the park, and give Fairfax a straight, wide main thoroughfare and to divert the course of the creek now running thru the business district.

MOUNTAIN VIEW, Santa Clara Co., Cal.—Bids received September 8 by the trustees of the Mountain View Union High School District will be opened September 14, 8 p. m., to construct two asphaltum-concrete tennis courts at school grounds.

MARTINEZ, Contra Costa Co., Cal.—County supervisors reject bids to improve streets in the town of Redwood. See separate tabulation of the bids received on this project in another article on page five of this issue.

COLUSA, Colusa Co., Cal.—Thirty-six representatives from Glenn, Tehama, Yolo and Colusa counties meet-

ing in Colusa voted against a proposal to form a joint highway district for construction of the proposed Haver road, and instead decided to ask the state to include the road in its secondary highway system. A committee was appointed to take the plan up with the State Highway Commission.

SAN JOSE, Santa Clara Co., Cal.—Granite Construction Co., Watsonville, at \$3,303 awarded contract by county supervisors for improving the Mt. Hamilton Road including 108,000 sq. ft. of oil macadam pavement. Complete bid listing follows:

Granite Construction Co., Watsonville.....\$ 8,303

A. J. Ralsch, San Jose.....8,484

San Jose Paving Co.....14,214

SAN JOSE, Santa Clara Co., Cal.—Peres & Reeves, Tracy, at \$2,868 awarded contract by county supervisors for improving Miramonte Ave., near Sunnyvale, involving 223,000 sq. ft. of oil macadam paving. Complete bid listing follows:

Peres & Reeves, Tracy.....\$12,868

Granite Construction Co., Watsonville.....13,305

A. J. Ralsch, San Jose.....13,395

San Jose Paving Co.....16,395

SALINAS, Monterey Co., Calif.—Granite Const. Co., Watsonville, at \$3,385 awarded contract by county supervisors to surface the Pacific Grove-Carmel Road in Supervisor District No. 5, involving:

- (1) 800 cu. yds. 1-in. rock from Carmel pit;
- (2) 500 tons 1-in. rock furnished by contractors;
- (3) 950 cu. yds. ½-in. rock;
- (4) 500 tons ½-in. rock furnished by contractor;
- (5) 1,050 barrels road oil.

Only other bid submitted by Clark & Henery, San Francisco, at \$11,625. Unit bids follow:

	Granite	Clark & Henery
(1).....	\$1.65	\$2.25
(2).....	2.60	2.73
(3).....	1.95	2.40
(4).....	2.32	3.20
(5).....	3.65	4.24

SALINAS, Monterey Co., Calif.—Granite Const. Co., Watsonville, at \$26,623, lone bidder, awarded contract by county supervisors to furnish and haul material to improve the Blanco and Breese roads in Supervisor District No. 2, involving:

- (1) 16,000 tons base rock, furnish, haul and dump in spreader boxes on subgrade, at \$1.50 ton;
- (2) 644 bbls. 90-95 oil, haul and spread, at \$.75 bbl;
- (3) 1070 tons ¾-in. rock, furnish, unload and haul and dump on roadway, at \$2 ton.

RIVERSIDE, Riverside Co., Cal.—Until 11 a. m., October 6, bids will be received by city council to improve Orange St., bet. 8th and 11th Sts., under the 1911 act, involving:

- (1) 37,865 sq. ft. grading and fill;
- (2) 17,972 sq. ft. 5-in. concrete pavement;
- (3) 13,673 sq. ft. concrete wearing surface;
- (4) 1130 ft. 2-in. combination curb and gutter;
- (5) 88 ft. 3-ft. comb. curb and gutter;
- (6) 44 ft. curb;
- (7) 5614 sq. ft. 2-course walk;
- (8) storm drain complete.

R. E. Brown, city engineer. G. Albert Mills, city clerk.

MARTINEZ, Contra Costa Co., Cal.—County supervisors postpone for one year the paving of Road B-16 in Supervisor District No. 2. Bids for this work were scheduled to be opened September 8.

FAIRFAX, Marin Co., Calif.—Until Sept. 22, 8 P. M., bids will be received by L. A. Grossman, town clerk (No. 1) for improving various streets in Improvement District No. 1, including the San Rafael-Olema Road, Bolinas Ave., etc., involving:

- (1) 2150 cu. yds. excavation;
- (2) 2740 cu. yds. struc. excav.;
- (3) 21 cu. yds. plain conc. (subwall);
- (4) 554 cu. yds. conc. reinf. (storm drain);
- (5) 63,573 lbs. reinforcing steel;
- (6) 22 ft. 12-in. corr. iron pipe;
- (7) 145 ft. 15-in. corr. iron pipe;
- (8) 2920 lin. ft. 6x24-in. curb and gutter;

- (9) 650 lin. ft. 6x36-in. do;
- (10) 620 sq. ft. concrete sidewalk;
- (11) 6950 lin. ft. rock sidewalk;
- (12) 45 lin. ft. part circle culvert complete;
- (13) 15 yds. rock fill subgrade;
- (14) 1325 lin. ft. 2x6-in. air header;
- (15) 150 lin. ft. guard rail;
- (16) 260 tons asph. concrete;
- (17) 46,780 sq. ft. emulsified asphalt pavement;
- (18) 1 sq. manhole casting;
- (19) 2 lampholes complete with castings;
- (20) 2 manholes complete with drop inlets;
- (21) 24 lin. ft. 14-in. cast iron pipe leaded;
- (22) 570 lin. ft. 6-in. vit. ironstone pipe
- (23) 2 catchbasins complete;
- (24) 6 catchbasins rebuilt (no castings).

Work under Acq. and Imp. Act of 1925. Plans and specifications obtainable upon deposit of \$3. George W. Maule, engineer.

Wages prevailing on this project are: Common labor, \$4.50; skilled labor (other than as specifically set forth), \$5; carpenter, form setters, \$7; truck drivers, 2500 lbs. or less, \$5; truck drivers, 2500 lbs. to 15,000 lbs., \$5; power shovel operators, \$10; oiler, \$5; pitman, \$5; tractor driver, 30-hp., \$6; tractor driver, 60-hp., \$6; grader operator, \$5; roller operator, 8 ton or over, \$3; roller operator, 8 ton or less, \$7; driller, \$5; teamster, \$6; asphalt plant engineer, \$8; asphalt plant dryerman, \$7; concrete cement mixer operator, \$7; concrete mixer operator, \$5; concrete finishers, \$7; concrete finishers helpers, \$5.50. Any classification of craft or type of workmen not otherwise herein enumerated, \$4.50.

NYE & ESMERALDA COUNTIES, Nevada.—Until October 21, bids will be received by S. C. Durkee, state highway engineer, for the construction of a portion of the State Highway System in Nye and Esmeralda counties, between Beatty and Goldfield, a length of 31.96 miles. The work will consist of grading, construction of structures, and placing of surfacing material. Plans and specifications may be obtained from the office of the state engineer, Carson City, Nevada, upon deposit of \$15. Plans and specifications may be examined at the District Office of the Bureau of Public Roads, 461 Market St., San Francisco. Certified check 5% must accompany bid.

BUSINESS OPPORTUNITIES

Names and addresses of persons or firms concerned in the following opportunities will be furnished on request to Business Opportunity, Department, Daily Pacific Builder, 547 Mission St., San Francisco, or phone GARfield 8744.

21352—Agency, Hamburg, Germany. Party is desirous of being appointed sole agent in Europe of American novelties, as well as time and work saving machines and apparatus for industry, banks, offices, department

stores, etc. References available.

21357—Sterilizing Outfit, X-Ray Apparatus, San Francisco. Bids wanted by foreign government on (1) sterilizing outfit complete, (2) electro-medical and X-ray apparatus and accessories. Conditions of tender and specifications.

21358—Timber. Kumas, Gold Coast. Exporters of mangrove, cedar and other hard woods wish to be put in touch with interested importers.

21359—Plaster Wall Board. Manila, Philippine Islands. Party is desirous of contacting manufacturers of plaster wall board.

21360—Representation, San Francisco. Party wishes to represent local manufacturers in Mexico.

21367—Play Ground Equipment. Oakland, Calif. Manufacturer of play ground equipment wants to contact exporters. Unlimited territory open. Literature and representative here.

ENGINEERING SOCIETIES EMPLOYMENT SERVICE

Further information regarding positions listed in this column is obtainable from Newton D. Cook, Room 715, 57 Post Street, San Francisco. (Phone SUTter 1684).

W-3009-C-S (K-377) ENGINEER with laboratory experience in formulating industrial finishes, baking japans and enamels of the bakelite and phthalic anhydride base enamels. Apply only by letter. Location, Middletown.

W-3061 DRILLER with experience in Empire or Manka drills for placer mining. Must be able to operate drills. Salary, \$350 amonth and all expenses. Apply only by letter. Location, Asia.

W-3038-C-S (K-379) MECHANICAL ENGINEER to be in charge of operation, maintenance of mills, etc., in sugar plants. Must have had tropical experience in work of this kind. Salary \$4200 a year and board and transportation. Apply only by letter. Location, South America. Headquarters, New York.

W-3039-C-S (K-380) CHIEF CHEMIST for sugar plant, to take charge of field and factory laboratory. Man experienced in agricultural chemistry as well as plant control preferred. Salary \$300 a month and board and transportation. Apply only by letter. Location, South America. Headquarters, New York.

R-3598-S CHIEF DRAFTSMAN, mechanical engineer with at least five years' experience in the employ of a company manufacturing conveying machinery as designer or engineer. Product experience in this line absolutely essential. Salary depends upon experience. Apply by letter with details and salary expected. Location, San Francisco.

R-3605-S SALES ENGINEER, young American or Englishman, technical graduate with 5-10 years' experience. Successful applicant will act as technical advisor and super-salesman of hydraulic and irrigation equipment and it is essential that he have five years' hydraulic experience and the right personality for sales work. Must be single. 3 years contract. Apply by letter, giving experience in detail, references and photo. Location, India. Headquarters, United States.

R-3637 HYDRAULIC ENGINEER, competent to design deep well turbine centrifugal pumps. Must be up-to-date in theory and practice as position requires a chief engineer. Apply by letter with experience and salary expected. Location, Northern California.

What a U. S. forest ranger should know is contained in a booklet "Forest Ranger's Catechism," U. S. Department of Agriculture miscellaneous publication No. 109, just issued by the Government Printing Office. Over 250 questions embracing all phases of a California forest ranger's work and some not directly connected with his job are asked and answered in this publication. This bulletin was built on an idea originating with a forest ranger on the Sierra national forest who was asked so many varied questions by the public about the Forest Service that he listed and answered them for his own information. Copies of this publication can be obtained from the Regional Forester, U. S. Forest Service, Ferry Bldg., San Francisco, Calif.

The Concrete Reinforcing Steel Institute, Tribune Tower, Chicago, Ill., has published a 24-page booklet entitled "Tall Building Economy." Based on the premise that "average savings of between 4 and 7 per cent of the total building construction costs are made through the use of reinforced concrete in preference to structural steel" and that "the savings become 20 to 35 per cent when expressed in terms of skeleton frame costs," the subject of tall concrete buildings is considered. First, there is a discussion of the various factors that bring about the saving. This is supplemented by illustrations of concrete buildings from 17 to 29 stories high and also by a brief history of each of the buildings illustrated, together with the pertinent facts regarding its economy over a similar building of structural steel.

Industrial Steel Products, Ltd., of which Howard Spreckels is president, has been made distributor of Pierce Nevada and Hawaii.

Levi Earl, pioneer lumberman widely known in the timber camps of Sierra, Lassen and other northwestern counties of California, died at his home in Reno, Nevada, last Sunday. He had been in poor health for several months due to infirmities of extreme age. The deceased was 92 years old, a native of New York, and lived in the West nearly sixty years.

Reports of new orders for fabricated structural steel for the week ending August 15, 1931, were received from 100 establishments, whose capacity represented 55.1 per cent of the total capacity of all plants in the United States. The bookings reported by these establishments amounted to 9,947 tons, representing 19.5 per cent of the total capacity of reporting establishments. Reports of shipments of fabricated structural steel for the same week were received from 96 establishments, whose capacity represented 52.9 per cent of the total capacity of all plants in the United States. The shipments reported by these establishments amounted to 17,317 tons, representing 35.5 per cent of the total capacity of the reporting establishments.

A new line of decorative Mazda lamps retailing at 15 cents is announced by Gerard Swope, president of the General Electric Company. This represents a 25% lower price than that at which standard lamps have previously been offered. The new lamps are made in the 30-watt size, spherical bulb shape, and in two standard voltages, 115 and 120 volts. They are available in a variety of six bulb finishes and colors. The lamps are intended primarily for decorative purposes but may also be used for general illumination.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
1308	Code	Malloch	3000
1309	Grosman	Owner	4500
1310	Bankers	Phoenix	1000
1311	Thomas	Morris	1500
1312	Laguens	Owner	3000
1313	Leary	Owner	6000
1314	Siler	Morris	3500
1315	Mirsky	Owner	3500
1316	Johnson	Whitton	12000
1317	Ingerman	Owner	4000
1318	Spiro	Vukicevich	4000
1319	Haskin	Wengard	6000
1320	Doelger	Owner	3800
1321	Welch	Amatore	4000
1322	Melia	Fletcher	1586
1323	Doelger	Owner	4800
1324	Doelger	Owner	3600
1325	Anderson	Owner	4500
1326	Melia	Fletcher	1586
1328	Kings	Mullen	2000
1327	Worth	Boe	1500
1329	O'Connor	Johanns	1000
1330	Fletcher	Owner	3000
1331	Ahern	Erickson	4250
1332	Deirmenzl	Murer	20000
1333	Nickles	Owner	4000
1334	Hutchins	Martin	10000

Correction In Owner's Name.

DWELLINGS

(883) E 29th AVE. 125 N Santiago; two 1-story and basement frame dwellings.

Owner—R. Monson, 101 Carmel St. Plans by Owner, each \$3500 (Permit issued June 11, 1931).

DWELLING

(1308) S LIBERTY 205 E Noe; one-story frame dwelling.

Owner—P. D. Code.

Plans by I. W. Goldstine, 401 30th St. Contractor—J. S. Malloch, 606 Mission Street. \$3000

DWELLING

(1309) N ATHENS 140 E Naples; one-story and basement frame dwelling.

Owner—W. E. Grosman, 47 Curtis St. Plans by owner. \$4500

REPAIRS

(1313) SE COR. GEARY STREET and Grant Ave; repair sidewalk lights.

Owner—Bankers' Investment Co, 742 Market St.

Architect—Not Given.

Contractor—Phoenix Simpton Co, 520 6th St. \$1000

ALTERATIONS

(1311) 22 JOHNSON ST.; alterations to foundations, etc.

Owner—T. Thomas, 1182 Market St. Plans by contractor.

Contractor—Morris & Weine 1182 Market St. \$1500

DWELLING

(1312) W SAN ALESO 290 N Upland Drive; 1-story and basement frame dwelling.

Owner—Laguens & Larsen, 369 Ash-ton.

Plans by S. Larsen. \$5000

ALTERATIONS

(1313) S 24th St. 100 W Florida; alterations to remodel funeral parlors.

Owner—J. Leary, 2917 24th St.

Architect—G. A. Berger, 309 Valencia. \$5000

DWELLING

(1314) S RANDALL 150 E Whitney; one-story and basement frame dwelling.

Owner—F. Siler, % contractor.

Plans by contractor.

Contractor—Morris & Weine, 1182 Market St. \$3500

DWELLING

(1315) E 30th AVE. 277 N Cabrillo; 1-story and basement frame dwelling.

Owner—B. Mirsky & Sons, Inc., 421 3rd Street.

Architect—Not Given. \$3500

REMODELING

(1316) SW SUTTER and Stockton; remodel office building.

Owner—Walter P. Johnson, trustee, City Hall.

Architect—Not Given.

Mgr. of Const.—F. Whitton, 369 Pine Street. \$12,000

DWELLING

(1317) E 22nd AVE. 40 S Taraval; 1-story and basement frame dwelling.

Owner—C. Ingerman, 2395 20th Ave. Architect—Fabre and Hildebrand, 110 Sutter St. \$4000

SHOP

(1318) W MISSION ST. 75 N Francis; one-story and mezzanine class C tire repair shop.

Owner—C. Spiro, 315 Magellan Ave. Architect—C. F. Gill, Rialto Bldg.

Contractor—M. G. Vukicevich 666 Mission St. \$4000

DWELLING

(1319) E FUNSTON AVE. 37 North Balboa; two-story and basement frame dwelling.

Owner—H. Haskin, 269 8th St. Architect—Fabre and Hildebrand, 110 Sutter St.

Contractor—Carl Wengard, 546 Sansome Street. \$6000

DWELLING

(1320) W 7th AVE 150 Kirkham St.; one-story and basement frame dwelling.

Owner—H. Doelger, 300 Judah St.

Plans by B. K. Dobkowitz, 425 Mont-erey Blvd. \$3800

DWELLING

(1321) E HAMPSHIRE 150 N 25th St.; one-story and basement frame dwelling.

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - California

Owner—M. & C. Wetlich, 706 Kansas. Architect—Not Given.

Contractor—E. Amatore, 2810 26th St. \$4000

ALTERATIONS

(1322) 6027 GEARY ST.; alterations to repair shop.

Owner—F. J. Mella, 6027 Geary St.

Architect—Not Given.

Contractor—J. P. Fletcher, 6140 Geary Street. \$1586

DWELLING

(1323) NW 17th AVE. and Kirkham; one-story and basement frame dwelling.

Owner—H. Doelger, 300 Judah St. Plans by B. K. Dobkowitz, 425 Mont-erey Blvd. \$4500

DWELLING

(1324) W 32nd AVE. 275 N Rivera; one-story and basement frame dwelling.

Owner—H. Doelger, 300 Judah St. Plans by B. K. Dobkowitz, 425 Mont-erey Blvd. \$3600

DWELLING

(1325) E 31st AVE. 125 N Kirkham; one-story and basement frame dwelling.

Owner—C. Anderson, 146 Granville Way. Architect—Not Given. \$4500

ALTERATIONS

(1326) 6027 GEARY ST.; alterations to repair shop.

Owner—F. J. Mella, 6027 Geary St.

Architect—Not Given.

Contractor—J. P. Fletcher, 6140 Geary Street. \$1586

ADDITION

(1327) 431 GENESSEE; addition of 2 rooms, airplane deck and bath.

Owner—Mrs. C. H. Worth, 431 Genessee.

Plans by Contractor.

Contractor—A. M. Boe, 700 Joost Ave. \$1500

ALTERATIONS

(1328) 35 TAYLOR ST.; alterations to restaurant.

Owner—Will King's R. K. O. Grill, 35 Taylor St.

Plans by Contractor.

Contractor—Mullen Mfg. Co., 60 Rausch St. \$2000

ALTERATIONS

(1329) 1640 HOWARD ST.; alterations to building.

Owner—O'Connor Bros., % contractor. Architect—Not Given.

Contractor—T. Johannis, 2020 15th St. \$1000

DWELLING

(1330) E 24th AVE. 175 S California; one-story and basement frame dwelling.

Owner—J. P. Fletcher, 6140 Geary St. Architect—Not Given. \$3000

DWELLING

(1331) W 17th AVE 100 N Ortega; 1-story and basement frame dwelling.

Owner—Mr. and Mrs. C. Ahern, 972 Chenery St.

Architect—Not Given.

Contractor—H. Erickson, 972 Chenery Street. \$4250

APARTMENTS

(1332) SW COR. JONES and Union;
three-story and basement frame
(6) apt.

Owner—O. Deirmenzl, 1155 Union St.
Architect—J. Zanolini, 604 Montgomery
Street.

Contractor—L. Murer & Co., 1815 Ma-
son Street. \$20,000

DWELLING

(1333) E VIENNA 96 S Silver; one-
story and basement frame dwell-
ing.

Owner—A. Nickles, 51 6th St.
Architect—Not Given. \$4000

DWELLING

(1334) W LAKE 150 S Camino Del
Mar; 2-story and basement frame
dwelling.

Owner—F. B. Hutchins, 405 Crocker
First National Bank Bldg.
Architect—J. E. Dinwiddie, Balboa
Bldg.

Contractor—W. Martin, 666 Mission St.
\$10,000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No. Owner	Contractor	Am't.
181 Oliva	Sartoria	11200
183 Good Shepherd	Bryant	16272
184 Same	Scott	18369
185 War Memorial	Bradley	168053
186 Mechanics	Koenig	3470
187 Cook	Perego	
188 Ward	Cuthbertson	9700
189 O'Connor	Johanna	2000

BUILDING

(183) E CAMBRIDGE S of Felton;
excavation, grading, concrete, ma-
sonry, carpenter and mill work,
sheet metal, composition roofing,
clanging elevators, electric work,
heating, plumbing, finish hardware
and painting for building.

Owner—Convent of Good Shepherd.
Architect—H. A. Minton, 525 Market
Street.

Contractor—J. A. Bryant, Ltd., Call
Building.

Filed Sept. 5, '31. Dated Aug. 26, '31.
End of each month.....75%
Usual 35 days.....25%

TOTAL COST, \$162,772

Bond: owner, \$16,277.30; M.M., \$162,772. Sureties, Metropolitan Casualty
Co. Forfeit, \$50 per day. Limit, Feb.
Feb. 1, 1932. Plans and Spec. filed.

(184) LABOR and Material, including
tools, implements and appliances
on above.

Contractor—Scott Co., 243 Minna St.
Filed Sept. 5, '31. Dated Aug. 26, '31.

End of each month.....75%
Usual 35 days.....25%

TOTAL COST, \$18,369.00

Bond: owner, \$18,369.00; M.M., \$18,369. Sureties, New Amsterdam Cas-
ualty Co. Forfeit, \$50 per day. Limit,
Feb. 1, 1932. Plans and Spec. filed.

METAL FURRING, LATHING, ETC.

(186) BLOCKS bounded by Van Ness
Ave., Franklin, McAllister, Grove,
Fulton and Ash Sts. bet Van Ness
Ave., Franklin and Brick Sts.; fur-
nish and install metal furring,
lathing and plastering for opera
house and veterans' building of the
War Memorial.

Owner—The Board of Trustees of the
War Memorial of San Francisco.
Architect—Not Given.

Contractor—Peter Bradley, 639 Bran-
nan St.

Filed Sept. 5, '31. Dated Aug. 10, '31.
Usual 35 days.....25%

TOTAL COST, \$168,053

Bond, \$84,026.50. Sureties, Union In-
demnity Co. Limit, 270 for opera house

and 250 for veterans' building. Spec.
and plans filed

ALTERATIONS

(186) 3166-3168 WASHINGTON ST.;
all work for alteration and addi-
tion to 2-story, attic and base-
ment frame building except paint-
ing, air heaters, light fixtures, wall
beds and shades.

Owner—Mechanics Bldg. & Loan Assn.
Architect—E. A. Neumarkel, 340 Kear-
ny Street.

Contractor—Chas. J. V. Koenig and
Son, 520 Church St.

Filed Sept. 5, '31. Dated Sept. 4, '31.
Plaster and work in basement.....\$1300
Completed and accepted.....1300
Usual 35 days.....870

TOTAL COST, \$3470

Bond, \$1750. Sureties, J. H. McCal-
lum and A. Arros. Limit, 45 days.
Plans and Spec. filed.

APARTMENTS

(187) NE WEBSTER and Bay Sts.;
lot size 50x100; all work on three-
story and basement frame apart-
ment building.

Owner—S. J. Cook.
Architect—H. C. Baumann, 251 Kear-
ny Street.

Contractor—Grace Perego, 176 Luther
Street.

Filed Sept. 8, '31. Dated Aug. 19, '31.
10 of each month.....75%

Usual 35 days.....25%
TOTAL COST Not Given.

Limit, 120 days.

FLATS

(188) NE HANCOCK and Noe Sts. E
75 N 25-6 W 75 S 25-6 to point of
beginning; all work on 2-story and
basement frame flats.

Owner—H. B. Ward and Miss S. A.
Ward.

Architect—Blaine & Olson, 1755 Broad-
way, Oakland.

Contractor—Thos. A. Cuthbertson, 430
Noriega St.

Filed Sept. 9, '31. Dated Aug. 29, '31.
Roof on, foundation and exca-
vating completed.....\$2425

Coat of plaster on.....2425

Completed and accepted.....2425

Usual 35 days.....2425

TOTAL COST, \$9700

Limit, 100 days. Plans and Spec. filed.

ALTERATIONS

(189) 1640 HOWARD ST.; alterations
to building known as 1640 Howard
Street.

Owner—M. J. and D. O'Connor.
Architect—C. S. McNally, 33 Beulah
Street.

Contractor—F. Johanna, 2020 15th St.
Filed Sept. 8, '31. Dated Sept. 5, '31.

Progress payments.....\$2000

Usual 35 days.....25%

TOTAL COST, \$2000

Bond, \$2000. Sureties, American Em-
ployers' Ins. Co.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

Sept 3, 1931—NE CRESTLAKE DR
and NW line lot 11 SE 63 NE 38-

031 SE 1-59 NE 108-197 NW 41-018
SW 145-941 pin lot 11 blk 2499A

Pinelake Park Sub No 1. H W
and M I Petersen to whom it may

concern.....September 2, 1931

Sept 3, 1931—W 14th AVE 225 South
Rivera 25x110. J H Rooht and G

Dahlstrom to whom it may con-
cern.....September 3, 1931

Sept 3, 1931—LOTS 26 and 27 BLK
36 map Fairview Terrace. Radio

Entertainment, Ltd to Meyer Bros
.....September 3, 1931

Sept 3, 1931—E 22nd AVE 285 South
Irving S 30 x 120. Herman Chris-

tensen to whom it may concern.....

.....September 3, 1931

Sept. 2, 1931—W 33rd AVE 100 N
Kirkham N 25 x W 120. E J Rett-

berg to whom it may concern.....

.....September 1, 1931

Sept 2, 1931—W 22nd AVE 150 S
Vicente S 25 x W 120. Stanley

Cowen to whom it may concern.....

.....September 2, 1931

Sept 2, 1931—E 21st AVE 100 South
Pacheco S 25 x E 120 OL 1022. C

and F Gellert to whom it may con-
cern.....September 1, 1931

Sept 2, 1931—E 21st AVE 75 South
Pacheco S 25 x E 120 OL 1022. C

and F Gellert to whom it may con-
cern.....September 1, 1931

Sept 1, 1931—NE KEY AVE 100 SE
Lane SE 25xNE 100 Blk 50 Paul

Tract H D Assn. A H Cuthbert
to whom it may concern.....

.....August 31, 1931

Sept 1, 1931—E TWENTY-THIRD
AVE 175 S Moraga 25x120. John

W Rogers to whom it may con-
cern.....August 25, 1931

Sept 1, 1931—S BOSWORTH 25 E
Brompton 25x100. John Frnjak to

C Lindberg.....August 29, 1931

Sept 1, 1931—NW MISSION 80 SW
Ninth SW 60-4 M B 4. Daniel W

Scanlon to E F and L C Sullivan
(as Sullivan & Sullivan). Aug. 8, 1931

Sept. 1, 1931—W THIRTY-SEV-
enth AVE 230-9 S Anza S 72-6xW

120. M and N Costello to whom
it may concern.....Sept. 1, 1931

Sept. 1, 1931—W TWENTY-SIXTH
AVE 250 N Moraga N 25xW 120 O

L 839. F and M Isaacson to whom
it may concern.....Aug 31, 1931

Aug 31, 1931—N O'FARRELL 137-6
E Webster E 68-9 x N 137-6 WA

277. C Reiter, M Ransbottom, E
Geiger, N Clevenger and I M Nat-

than to Christian Andersen.....

.....August 26, 1931

Sept. 5, 1931—SE TWENTY-THIRD
& Harrison E 25xS 52 M B 151.

A H Sgueri to whom it may con-
cern.....Aug 15, 1931

Sept. 5, 1931—BUSH ST. & TREAS-
ury Place. Mills Estate, Inte to

McClintic-Marshall Co. Aug. 28;
Vermont Marble Co. Aug. 28;

Mealey & Collins.....Aug. 28, 1931

Sept. 5, 1931—E SEVENTEENTH
AVE 150 N Wawona N 25xE 120 OL

1252. E Staff to whom it may con-
cern.....Sept. 5, 1931

Sept 4, 1931—E 14th AVE 200 South
Ulloa S 25 x E 120. John Maloney

to whom it may concern.....

.....September 1, 1931

Sept 4, 1931—SW PRESIDIO AVE
and California St running 2401-15

on Presidio Ave and W on Cali-
fornia to Parker Ave, same and

excepting strip of land 110 ft m
or I fronting on Parker Ave. Lau-
rel Hill Cemetery Assn to P L

Burr.....August 29, 1931

Sept 4, 1931—W 22nd AVE 50 South
Moraga 25x35-6. John W Rogers

to whom it may concern.....

.....September 4, 1931

Sept 4, 1931—SE SACRAMENTO &
Gough Sts. W Pross to whom it

may concern.....Sept. 3, 1931

Sept 4, 1931—E GAMBIER 25 North
Silliman 25x95. Mary P and James

T Keeley to whom it may concern
.....September....., 1931

Sept 4, 1931—LOT 29 BLK 2595 map
Sub No 4, Miraloma Park; lots 16

and 17 blk 2982 Sub No 1, Mira-
loma Park; lots 22 blk 2985 map

Sub No 2, Miraloma Park, all ptns
lots 1, 2 and 3 blk 2972 map Sub

No 1, Miraloma Park and ptn San
Miguel Rancho and ptn Lansdale

Ave now closed, desc'd: SE Lans-
dale Ave dist SW 31-505 from NE

line said lot 1, NE alg SE Lans-
dale Ave and NE and E alg NW

curved line said lot 2 and SE alg
NE line said lot 3, 161-017 to ptn on

SW Juanita Way dist NW 20-50

(1046) 3007 WISCONSIN St., OAK
LAND; one-story 6-room dwelling
Owner & builder—John Fleming, 353
Jordan Road, Oakland.
Architect—Not Given. \$395

San Francisco

DWELLING
(1047) E CARBERRY ST. 70 N 56th St., OAKLAND; one-story 5-room dwelling.
Owner and Builder—C. J. Pfarr, 6300 Claremont Ave., Oakland.
Architect—Not Given. \$5000

DWELLING
(1048) E HILLCREST AVE. 85 East Marlin Ave., OAKLAND; 1-story 6-room dwelling and 1-story garage.
Owner—A. Magnaini, 1953 Dante St., Oakland.
Architect—Not Given.
Contractor—Charles Ungaretti, 1727 Foothill Blvd., Oakland. \$5200

DWELLING
(1049) 3015 WISCONSIN ST., OAKLAND; one-story 6-room dwelling.
Owner & builder—John Fleming, 3539 Jordan Road, Oakland.
Architect—Not Given. \$3950

REPAIRS
(1050) 1027 32nd ST., OAKLAND; fire repairs.
Owner—H. Schmutwitz, 1027 32nd St., Oakland.
Architect—Not Given.
Contractor—A. H. Rose, 476 25th St., Oakland. \$1500

DWELLING
(1051) NO. 1615 PEARL ST., ALAMEDA. One-story 6-room frame and stucco dwelling.
Owner—Walter H. Anderson, 1014 Doris Court, Alameda.
Architect—Not Given. \$4750

SERVICE STATION
(1052) NE COR. EIGHTH and Center Sts., OAKLAND; one-story steel service station, 1-story tile com. st. and 1-story steel lift.
Owner—L. B. Hoge, 68 Muir St., Piedmont.
Architect—Not Given.
Contractor—The Globe Corp., 4268 Piedmont Ave., Oakland. \$2500

ALTERATIONS
(1053) W BROADWAY 125 N 20th St. OAKLAND; alterations.
Owner—Margaret Burnham Cottage Candles.
Architect—Not Given.
Contractor—J. D. Davidson, Call Bldg. San Francisco. \$1500

DWELLING
(1054) 7029 LACEY ST., OAKLAND; one-story 5-room dwelling.
Owner and Builder—L. M. Kaubach, 3319 72nd Ave., Oakland.
Architect—Not Given. \$2000

DWELLING
(1055) E 72nd AVE 34 S Outlook Ave., OAKLAND; 1-story 4-room dwelling.
Owner—E. Morton.
Architect—Not Given.
Contractor—Louis E. Van Ness, 4920 Park Blvd., Oakland. \$2800

COMPLETION NOTICES

Alameda County

Recorded	Accepted
Sept 5, 1931—LOT 20 BLK B, Broadway and Telegraph Ave Park T'ct, Oakland. R C McBride, Jr to whom it may concern.....	Sept 2, 1931
Sept 5, 1931—NW UNION ST 112 ft SW of Santa Clara Ave, Alameda. Harold and Alice C Norton to whom it may concern.....	
Sept 5, 1931—STATE Highway bet Livermore and Greenville, Alameda County. Dept of Public Works, Div of Highways, State of California to Herbert L. Bovard.....	September 4, 1931

Sept 5, 1931—LOT 9 BLK 11, North Cragmont, Berkeley. Thos O Robinson to John Hedstrom.....

September 1, 1931

Sept 4 1931—1015 CLARENDON Crescent, Oakland. M A Hays to Elmer J Freethy.....August 31, 1931
Sept 4, 1931—PTN of that CTN 267-46 acre piece of land desc in deed John H and Charlotte B Spring to The Realty Syndicate dated June 2, 1909 and recorded in Vol 1610 of Deeds pp 123, Oakland. Andrew and Agnes Fleming to Andrew Fleming.....September 4, 1931
Sept 2, 1931—5061 CONGRESS Ave, Oakland. Abbie L Valley to Walter Boerner.....September 1, 1931
Sept 3, 1931—3978 FOREST HILL Ave, Oakland. Ole Ness to Job Ness.....August 28, 1931
Sept 3, 1931—LOT 8 BLK 49K, Estudillo Estates, San Leandro. L Johnson to whom it may concern.....September 2, 1931

Sept 3, 1931—LOT 43 and NW 12-50 ft Lot 42, Peralta Ave Tract, Oakland. Robert E Bartlett to whom it may concern.....September 2, 1931

Sept 3, 1931—W 40 FEET LOT 120, Central Square, Oakland. Harold W Nylander to whom it may concern.....September 2, 1931

Sept 3, 1931—6184 ROCKRIDGE Blvd South, Oakland. Paul H Haller to whom it may concern.....September 3, 1931

Sept 3, 1931—850 MANDANA BLVD, Oakland. Neil E R Stahl and Cent Natl Bank of Oakland, trustees under the will of Wm E Stahl, deceased, to B A Stewart & A Richards (two completions).....August 29, 1931
Sept 2, 1931—REAR of 4129 WEST St, Oakland. S Danna to Ray Towers.....August 31, 1931

Sept 2, 1931—SE 68th AVE 185 ft SW of Trenor St, Oakland. N F Nilsson to whom it may concern.....September 2, 1931

Sept 2, 1931—W BROADWAY 100 ft N of 20th St, Oakland. Albert E Kern to F A Muller.....September 1, 1931

Sept. 1, 1931—SW WISCONSIN ST. 155.87 SE Maple Ave, Oakland. John Fleming to whom it may concern.....August 31, 1931
Sept. 1, 1931—NO. 4836 PROCTOR Ave, Oakland. W A Netherby to whom it may concern.....Aug. 29, 1931

LIENS FILED

Alameda County

Recorded	Amount
Sept 5, 1931—PTN LOT 16, Thornhill Park, Oakland. B Simon Hdwe Co, \$129.03; Percy Richardson, \$295 vs Henry A and Jeanie C Stanley.....	
Sept 5, 1931—NE LYON AVE and SE 1/4 line of land desc in deed Wm C Tait and wife to August Schutt June 6, 1922 and recorded in Vol 1119 of Deeds page 135, Oakland. B Simon Hardware Co, \$75.20; A Falcier, \$100; Pacific Gas Appliance Co, \$250.50; Long Elec Co, \$208; Western Door & Sash Co \$169; Melrose Lumber & Supply Co, \$440, vs H I and Mary R Anderson.....	\$197.10
Sept 4, 1931—LCT 205 Forest Land, Oakland. A J Aaroe vs H C Pent-jeton.....	
Sept 4, 1931—PTN LOT 16 Thornhill Park, Oakland. W D Dickey Clay Mfg Co vs H A and Jeanie Crazen Stanley, A R Tontes.....	\$37.50
Sept 4, 1931—1024 SUNNYHILLS Road, Oakland. C E Chasmar vs Mary C and Robt H Eckhoff.....	\$10
Sept 3, 1931—INTER NW TRESTLE Glen Road and SW Kingsley Place, Oakland. George S Plitcock and Son, Ltd vs E F and Metta N Kyle, E R Jervis, L De Luchi, and Pauline De Luchi.....	\$123.06

RELEASE OF LIENS

Alameda County

Recorded	Amount
Sept 4, 1931—LOTS 13 and 14 BLK B, Rose Park Tract, Oakland. H A Hood doing business as H A Hood Co to Ralph A and Freda Young and Milton Roundtree.....	\$75.70
Sept 4, 1931—LOTS 13 and 14 BLK B, Rose Park Tract, Oakland. A J Bowman doing business as Bowman Bldg Supply Co to Ralph Young and E E Higgins.....	\$39.60
Sept 2, 1931—EDEN TWP, Alameda Co. C H Brown Hardwood Co to C D Coker, C A Steiner, Geo Johnson, Jr, General Mill & Lumber Company.....	\$146.07
Sept 2, 1931—EDEN TWP, Alameda Co. Perry C Fry Co to Carl D Coker and C A Steiner.....	\$116.62
Sept 2, 1931—EDEN TWP, Alameda Co. W F Garrett doing business as Garrett Mill & Lumber Co to C D Coker.....	\$96.93
Sept 2, 1931—EDEN TWP, Alameda Co. General Mill & Lumber Co to C D Coker, C A Steiner, Mabel Steiner.....	\$1261.77

BUILDING CONTRACTS

SAN MATEO COUNTY

SERVICE STATION
PART LOT B BLK 1, Town of Burlingame. Equipment for concrete and brick service station.
Owner—John Auga et al, Burlingame.
Architect—Not Given.
Contractor—Gustave Magnuson, 320 Cypress St., San Bruno.
Filed Sept. 3, '31. Dated Aug. 6, '31.
Completed.....\$456
Yard completed.....490
TOTAL COST, \$5055
Bond, none. Limit, 60 working days.
forfeit, none. Plans and specifications filed.

BOILER, ETC., ON ABOVE.
Architect—Edwards & Schary, 550 Montgomery St., San Francisco.
Contractor—Gustave Magnuson, 320 Cypress St., San Bruno.
Filed Sept. 3, '31. Dated Aug. 6, '31.
Foundation in.....\$500
When tiled.....2040
When completed.....1270
Usual 35 days.....1270
TOTAL COST, \$5080

Bond, \$5080. Sureties, John J. Bolioli and Frank Mazzaro. Limit, 60 working days. Forfeit, none. Plans and specifications filed.

SCHOOL
KATHERINE AND GRAND STS., Redwood City. All work for two-story reinforced concrete parochial school building.
Owner—Roman Catholic Archbishop 111 Franklin St., San Francisco.
Architect—H. A. Minton, 525 Market St., San Francisco.
Contractor—Louis N. Pollard, 55 Brewster St., Redwood City.
Filed Sept. 3, '31. Dated Aug. 31, '31.
As work progresses.....75%
Usual 35 days.....25%
TOTAL COST, \$77,185
Bonds, (2) \$77,185 and \$7718.50. Surety, Aetna Casualty Co. Limit, Dec. 27, 1931. Forfeit, \$50. Plans and specifications filed.

RESIDENCE
PART LOT 262, San Mateo Park. All work for one and one-half-story frame and stucco residence and garage.
Owner—Florence G. Williams.
Architect—Not Given.
Contractor—Frank Ruhl, 263 Hatch Way, Burlingame.

Filed Sept. 3, '31. Dated Aug. 31, '31.
 Frame up \$2992.50
 Brown coated 2992.50
 Completed 2992.50
 Usual 35 days 2992.50
TOTAL COST, \$11,970.00
 Bond, \$11,970. Surety, Actua Casualty Co. Limit, 120 working days.
 Forfeit, none. Plans and specifications filed.

BUILDING PERMITS

SAN MATEO

RESIDENCE, \$10,000; W 72 ft. Lot 262 No. 509 Clark Drive, San Mateo; owner, Florence S. Williams, 443 Occidental Ave., San Mateo; contractor, Frank Ruhl, 468 Midway St., San Mateo.
 BUNGALOW, \$4000; Lot 21 Blk 19, No. 920 S-Fremont St., San Mateo; owner and contractor, John H. Clifford, 903 9th Ave., San Mateo.
 RESIDENCE, \$4000; No. 548 Twenty-fifth Ave. einb Lot 16 Blk 4, Casa Mateo; owner, Castle Bldg. Co., 830 Market St., San Francisco; plans by D. E. Jaekle, 744 Call Bldg., San Francisco.
 RESIDENCE, \$4000; No. 240 25th Ave. being W 40 ft. Lot 19 Blk 4, Casa Mateo; owner and contractor, Castle Bldg. Co., 830 Market St., San Francisco; plans by D. E. Jaekle, 744 Call Bldg., S. F.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
 Sept. 4, 1931—HOWARD AVENUE School Building, Burlingame. Burlingame Grammar School District to I Sorensen.....Sept. 3, 1931

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
 Sept. 1, 1931—LOT 3 BLK C, Foy's Redwood Gardens. San Carlos Feed & Fuel Co vs Geo. C Ogden et al\$428.21
 Sept. 2, 1931—LOT 3 BLK C, Foy's Redwood Gardens. A G Stwykes, \$40; Gust Mannuels, \$132.50; Fred Carlisle, \$95 vs George C Ogden et al

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded Amount
 Sept. 4, 1931—PART LOTS 155 and 156, San Mateo Park. Wisnom Lumber Co to whom it may concern.....\$268
 Sept. 4, 1931—LOCATION NOT GIVEN. Donald E Sevier et al to whom it may concern.....

CREDIT ON LIEN

SAN MATEO COUNTY

Sept. 4, 1931—LOCATION NOT GIVEN. Donald E Sevier et al vs William A Baxter-Gould et al. Three months credit on lien recorded June 5, 1931.....

BUILDING PERMITS

SAN JOSE

RESIDENCE, 8-room, \$9000; Rankin Ave. near First St. San Jose; owner, Clyde Alexander, 329 S-17th St. San Jose.
 RESIDENCE, 9-room, \$17,510; No. 1191 Emory St., San Jose; owner, R. Bressani, Bank of America Bldg., San Jose; contractor, Megna &

Newell, Bank of America Bldg., San Jose.

RESIDENCE, 5-room, \$3000; No. 1014 Delmas Ave., San Jose; owner, J. E. Luebben, 843 Delmas Ave., San Jose.

RESIDENCE, 5-room, \$2750; No. 354 Lenzen Ave., San Jose; owner, F. Gori, 354 Lenzen Ave., San Jose.

RESIDENCE, 2-family, \$6000; Mission St. near Second, San Jose; owner, Geo. S. Kocher, 1030 Asbury St., San Jose.

ALTER business building, \$1500; No. 138 S-Market St., San Jose; owner, Liberty Amusement Co.

RESIDENCE, 6-room, \$7500; Shasta Ave. near Park Ave., San Jose; owner, A. Hudson, 291 N-3rd St., San Jose; contractor, Geo. Kocher, 1030 Asbury St., San Jose.

RESIDENCE, 5-room, \$4000; 17th St. near Taylor Sts., San Jose; owner, R. C. Washburn, 748 Home St., San Jose.

BUILDING PERMITS

REDWOOD CITY

DWELLING, frame, 5-rooms, bath and garage, \$6000; No. 863 Arlington Road, Redwood City; owner, C. Yokom; contractor, E. A. Florence, 229 Hillview St., Redwood City.

BUILDING PERMITS

PALO ALTO

ALTER apartments \$1200; No. 203 Everett Ave., Palo Alto; owner, W. H. Parkins; contractor, H. Dabnett.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
 Sept. 3, 1931—LOT 3 BLK K, Southgate, Palo Alto. Jas G and Winifred B McGrath to Henry Miranda et alSept. 1, 1931

Sept. 3, 1931—LOT 6 BLK 2, Hevin Subd. being a subd of Blk 36 of the University Grounds situated in the City of San Jose on 1/11-27 V of Map 36. W E Wood to W E Wood.....Sept. 3, 1931

Sept. 4, 1931—NAGLER ST., (New Herbert Hoover Junior High School Site), San Jose. San Jose High School District to A J Peters & Son; San Jose Iron Works; Art Tile & Mantel Co; McKenley-Glans Furniture Co.....Aug. 31, 1931

Aug. 5, 1931—NO. 1930 WAVERLY St., Seale Tract, South Palo Alto. Josephine D Randall to whom it may concern.....Sept. 3, 1931

Sept. 2, 1931—LOT 31 BLK 1, Conkling & Col Subd N of Maps 52, San Jose. Frank and Josephine Rizzi to V R CaminettiAugust 31, 1931

AUGUST BUILDING PERMITS AT SAN ANSELMO

SAN ANSELMO, Marin Co., Cal.—Following building permits were granted during the month of August, 1931, by Charles H. Cartwright, building inspector.

Siemer and Kendall. Dwelling. Lot 4, Blk Sub. Hawthorne Hills. Est. cost \$3000.

A. Foglia. Dwelling. Lot 5, Blk. 1, Hawthorne Hills, Red Hill Ave. Est. cost \$3000.

W. Greene. Dwelling. Lot 8, Blk. 3, Sub. 2, Hawthorne Hills, Rutherford Ave. Est. cost \$3000.

A. Pinza. Garage. Lot 29 Sub. Lots 1, 2, 12 Linda Vista Tract, Tunstead Ave. Est. cost \$500.

Mr. Gehring. Addition. Portion lot

88, Bush Tract. Est. cost, \$200.

E. B. Pinnella. Addition. Lot 21, Linda Vista Tract, Sub. lots 1, 2, 12, Tunstead Ave. Est. cost, \$200.

Harland & Dollar Cleaners. Addition. Portion lot 199, Bush Tract, Lansdale Ave. Est. cost, \$125.

Leach Realty Co. Dwelling. Portions lots 5, 6, 7, 8, 9 Sub. Lots 15 and 16 Map No 2, Barber Tract. Est. cost \$3000.

H. M. Crawford. Addition. Fern Lane, Bush Tract. Est. cost \$2000.

Mary Lavaroni. Dwelling. Portion Lot 89 Bush Tract, San Anselmo Ave. Est. cost \$4000.

PALO ALTO BUILDING PERMITS IN AUGUST

Building permits issued in Palo Alto during the month of August, 1931, involved an expenditure of \$86,325 as compared with \$184,400 for the same period in 1930.

Cancellation of the contract to build the proposed new United Artists Theatre eliminated a permit valued at \$63,000 in August.

The bulk of the indicated new construction work was for residences, the value of which was set at \$74,600.

The record for the month of August follows:

Residences (15)	\$74,600
Residences (Alt., 19)	5,865
Garages (16)	4,110
Garage additions (4)	750
Business (Alt., 1)	1,000

Total (\$5)

BUILDING PERMITS

STOCKTON

DWELLING, brick and stucco, \$4000; No. 1650 W-Walnut St., Stockton; owner, R. H. Dodd, 121 National Bank Bldg., Stockton.

DWELLING, brick veneer, 6-room and garage, \$5500; No. 1602 W-Walnut St., Stockton; owner, Silvis and Ida B. Antolia; contractor, J. M. Heltzerband, 2644 East Main St., Stockton.

DWELLING, rustic, \$4000; No. 1086 N-Sierra Nevada St., Stockton; owner, Renaldo Ratto, 333 N-Pilgrim St., Stockton.

DWELLING, rustic 6 rooms and garage, \$3975; No. 1529 N-Yosemite St., Stockton; owner, F. P. Dobson, 1150 W-Harding Way, Stockton.

DWELLING, brick veneer, 6 room, \$4800; No. 71 E-Ellis St., Stockton; owner, George Tons; contractor, C. H. Barton, 1014 N-Wilson Way, Stockton.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
 Sept. 2, 1931—LOT 18 BLK 5, City Park Terrace, Stockton. Richard Rebs to whom it may concern.....August 31, 1931

Sept. 3, 1931—E 25 ft. LOT 7, all Lot 8 and W 35 ft. Lot 9 Blk 6, Northeast Addition, Stockton. L E Rennel to E Merlio.....Aug. 29, 1931
 June 5, 1931—PTNS of Sections 63 and 64 of C M Weber's Grant. G C Wickman to whom it may concern.....September 3, 1931

COMPLETION NOTICES

SONOMA COUNTY

Recorded Accepted
 Sept. 1, 1931—NO. 126 RIDGEWAY Ave., bet. Cleveland Ave. and Ripley St., Santa Rosa. E A and Josephine M James to whom it may concern.....Sept. 1, 1931

Sept. 3, 1931—ELLIS AND A SPS., (Fairbank School Property), Santa Rosa. City of Santa Rosa School District to E. Ahlstrom Aug. 31, 1931

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
Sept. 3, 1931—LOTS 9 AND 11 BLK 100, Third Addn to Pacific Grove Retreat Grounds. John A Nuttall to whom it may concern

Sept. 1, 1931

Sept. 3, 1931—PARCEL OF LAND lying in Block 9 of Homestead's Addition to Salinas City. Mrs. Amelia Badella to R E Kellner.

Aug. 28, 1931

Sept. 3, 1931—LOT 12, 14 AND 16 BLK 36, Map of Pacific Grove Retreat, Monterey. Charles R and Phil S Rose to Ralph J Sharp

August 28, 1931

LIENS FILED

MONTEREY COUNTY

Recorded Amount

Sept. 4, 1931—Being part of that certain 67.90 acre Tract, Monterey. Brira S Hebborn; Bertram Ray Hebborn and Paul Hunter vs W F Seehrest and W F Seehrest Lumber Co. \$145.20

Sept. 5, 1931—1/2 LOT 13 BLK 2, Villa Subdivision; Lot 4, Rancho Noche Buena, Monterey County. George A Good vs Helen A Lawson and W Kyle \$75.82

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded Accepted

Aug. 27, 1931—SE TENTH AND G Sts., Antioch. Nick Lagusis to Victor A Kaufenberg.....Aug. 25, 1931
Sept. 3, 1931—NO. 212 STANFORD Ave. being Lot 11 Blk G, Berkeley Highlands and Lot 2, San Pablo Rancho. Richard and Marie Melzer to Grover Ellam.....Sept. 1, 1931

LIENS FILED

CONTRA COSTA COUNTY

Recorded Amount

Aug. 27, 1931—LOTS 23 AND 25 BLK A, New Richmond Addn. Forest O Brenner vs C Valine; Frank Lawrence; John and Ennie Ambrosio \$244.90
Aug. 31, 1931—LOTS 6 AND 7 BLK 6, South Park Addn to Antioch. Antioch Lumber Co vs F E Bulfinch \$84.78

BUILDING CONTRACTS

SACRAMENTO COUNTY

MARKETING STATION TWENTIETH AND Y Sts.; marketing station.

Owner—Union Oil Co., Mull Building, Sacramento.

Architect—Not Given.

Contractor—J. T. Thorpe & Son, care owner.

Filed and Dated

Payments not given.

Total Cost, \$1030

BUILDING PERMITS

SACRAMENTO

HOUSE and garage, 6-room, \$5,500; 1900 Bidwell Way; owner & builder, J. Edenhofner, 3032 17th St., Sacramento.

HOUSE and garage, \$7000; 2625 Marshall Way; owner, C. Hogg, 2681

6th Ave.; contractor, F. C. Stabenaw, 3241 6th Ave.

HOUSE and garage, 7-room, \$6,000; 2576 Land Park Drive; owner, J. Haley, 1523 E St.; contractor, Hackett Realty Co., 1013 8th St.

HOUSE and garage, 6-room, \$5,000; 1148 3rd Ave.; owner, F. Burden, 1910 16th St.; contractor, C. C. Ruby, 4800 T St.

HOUSE, 6-room and garage, \$5250; No. 333 Santa Ynez Way, Sacramento; owner, J. Simmonds, 4301 T St., Sacramento.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted

Sept. 1, 1931—LOT 4 BLK C, Foy's Redwood Gardens. E L Newman to whom it may concern

August 29, 1931

Sept. 2, 1931—NO. 2196 SKYLONDA. W P Bannister to R P Watt.....

Aug. 28, 1931

Sept. 2, 1931—LOT 85, Parkside. Antonio Bestonzo to whom it may concern.....

Aug. 25, 1931

Sept. 2, 1931—LOT 28, Jenkins Oaks Tract, Sacramento. E E Sydenstricker to whom it may concern

August 25, 1931

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount

Sept. 1, 1931—LOT 6, I, J, 29th and 30th Sts., Sacramento. Sacramento Rock & Sand Co vs Kittie C Graf, Fred C Warren, E E Woods and D W Kilborn.....\$200

Sept. 2, 1931—LOT 6, I, J, 29th & 30th Sts., Sacramento. Sacramento Rock & Sand Co vs Kittie C Graf; Fred C Warren; E E Woods and D W Kilborn.....\$200

Sept. 2, 1931—W 1/2 LOT 5 E 1/2 Lot 6, I, J, 29th and 30th Sts., Sacramento. Sacramento Rock & Sand Co vs Kittie C Graf; Fred

C Warren; E E Woods and D W Kilborn\$200

BUILDING PERMITS

FRESNO

ALTERATIONS and additions, \$5000; No. 905 Fulton St., Fresno; owner, Wm. Dunn, Fremont; contractor, F. J. Stone.

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted

Sept. 2, 1931—LOT 9 BLK 1, St. Francis Wood, Fresno. F Rex Sporleder to whom it may concern

Sept. 1, 1931

Sept. 3, 1931—PART LOT 250, F-G-F-G Sub, No. 1, Fresno. George W Greaves to whom it may concern

Sept. 2, 1931

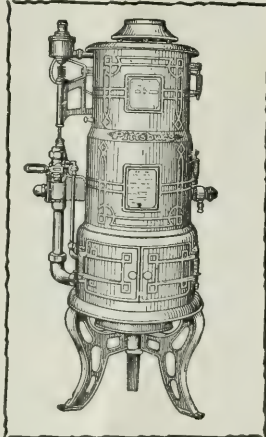
LIENS FILED

FRESNO COUNTY

Recorded Amount

Sept. 1, 1931—SE 1/4 Section 9, 15-21, Fresno. C S Pierce Lumber Co vs Riteoil Co et al\$135

The Six Companies, Inc., contractors on Hoover dam, have recruited their construction force up to full quota entirely from men in their employ prior to the strike. Latest reports showed 1931 men on the payroll. For a time the company will be taking on new men only for replacements which amount to from 30 to 40 per day. An employment office has been established at the entrance to the Hoover dam reservation by the U. S. Department of Labor, and all the contractors and subcontractors on the project have been requested by Walker R. Young, the government's men through this office. construction engineer, to hire their



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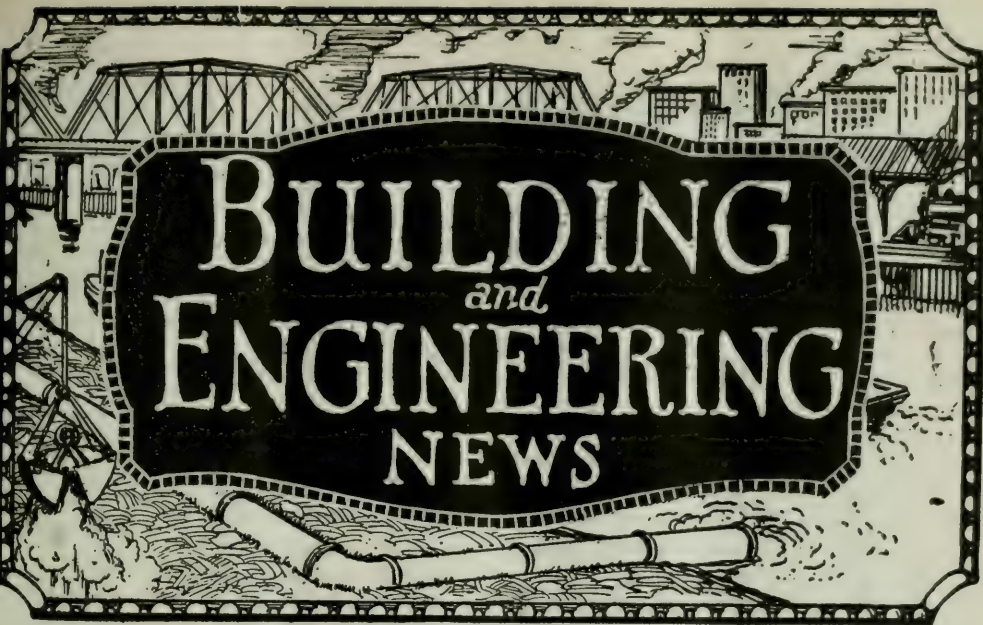
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Published Every Saturday
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Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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PREVAILING WAGE LAW TEST PROPOSED

California's prevailing wage law will be tested in the courts if present plans of Harold P. Hulse, city attorney of Pasadena, are carried out. He would have a number of cities join in a test case and has already received promise of support from Burbank, Visalia, Riverdale, Tulare and Watsonville. A plan of action is now being considered and will probably be developed within the next few days.

Mr. Hulse stated his immediate contention would be that the law is invalid insofar as its application to chartered cities of the state are concerned. This would affect 25 to 30 cities, including all the larger ones. He suggested that any one who desired a ruling on the constitutionality of the statute might join in the suit.

A mandamus proceeding, which may be brought directly in the state supreme court, is the most probable plan of action. This would necessitate the cooperation of some public official who would refuse to comply with the law to create a ground of action.

State Attorney General U. S. Webb has ruled in response to requests for an opinion that the prevailing wage scale for all types of workers to be employed on the job must be included in the call for bids. The wage for overtime and holidays must also be stated. District Attorney Darrah of San Joaquin County has suggested as an alternative the adoption of a wage scale which would be referred to but would not be made a part of the call for bids.

In another ruling the attorney general held that school boards must accept the lowest bid on school construction unless the low bidder is not a "responsible bidder."

NEVADA CONTRACTOR FACES LABOR CHARGES

William Royle, Nevada state labor commissioner, announces that Andy Drum, Jr., one of the most prominent Nevada contractors, who has handled many large construction contracts in the state, will be prosecuted for violation of the state labor laws.

A warrant would be issued for his arrest immediately, Royle said, on a charge of working men more than eight hours, a violation of state law.

Royle said he personally investigated the case and caught Drum's crew working overtime without extra pay. He said the men talked freely with him, thinking him a tourist.

Drumm, Royle said, contended he was working on an emergency job, but this Royle denied.

Ric-Wil Co., Cleveland, Ohio, has purchased the Standard Underground Conduit Co. of Atlanta, Ga.

VOLUNTARY 7-DAY WEEK DECLARED LEGAL

Attorney General U. S. Webb has advised State Highway Engineer C. H. Purcell that employees who are willing to work seven days a week do not violate the 40-year-old law, requiring one day of rest in seven.

Webb said the purpose of the law is to compel employers to give workers one day of rest each week, but the compulsory provisions of the act, he said, do not deny the employee the right to work on the seventh day if he so elects.

BOARD APPEALS LICENSE RULING ON ARCHITECT

The right of the State Board of Architectural Examiners to discipline W. H. Weeks, San Francisco and Oakland architect, will be passed on by the Appellate Court.

Papers in the appeal from Superior Judge Goodell's ruling that the board had no right to revoke Weeks' license were filed last Friday by Alan C. Van Fleet, attorney for the State Board.

The board issued a statement holding that Judge Goodell's decision was based on the mere technicality that the testimony on "dishonest practices" at Weeks' hearing should have been given under oath. The statement adds that Weeks in effect waived this point by his failure to enter his objections when the witnesses appeared.

Weeks was charged with inflating prices on buildings for which he was architect. Attorney Van Fleet estimated the sum at \$100,000.

CONTRACTS LET FOR FOREST PRODUCTS LAB

Under an appropriation of \$300,000 by Congress for the Forest Products Laboratory, contracts have been let for a new building and plant at Madison, Wis.

The main structure, 275 ft. long and six stories high, with 175,000 sq. ft. of floor space, will include a pulp and paper research department, dry kilns, cold rooms for keeping logs and timber in uniform condition, a woodworking shop and facilities for experimental work in wood chemistry, timber preservation and other activities.

Testing machines of 1,000,000-lb. capacity will be served by cranes on a gallery which will accommodate pieces or panels as large as 100 ft. long and 30 ft. high. There will be a 630-hp. power plant, supplying steam, water, gas, electricity and compressed air.

Holabird & Root, Chicago, are the architects, and the contract has been let to C. E. Fritz & Co., Madison, Wis. A 10-acre site was donated by the University of Wisconsin.

INDUSTRIAL BODY HITS WAGE CUTTING

Wage cutting is a "serious mistake" the Colorado Industrial Commission declared in a report on a four-month investigation of the state's coal mines.

"We regret," the commission said, "employers thought it necessary to reduce wages at a time of widespread unemployment. We believe it to be a serious mistake when we are suffering the most serious industrial and financial panic in history."

"It is our opinion employers should have followed the advice of the president and his advisors to maintain wages. Prosperity would return much sooner if attention had been paid to the recommendations of the president."

Although denouncing the employers for "taking advantage," the commission refused the request of the Colorado Federation of Labor that it prosecute them on charges of violating the state industrial law by obtaining under duress the consent of miners to a reduction in their pay from \$6.52 to \$5 a day without the required thirty-day notice.

The commission counseled the employers not to let foremen, superintendents or other officials circulate petitions such as the waiver of thirty-day notice, among employees.

"It looks too much like intimidation," the commission said.

The miners were counseled to organize.

"Unions are as much the product of modern industrial life as the corporation," the commission stated.

ILLINOIS CLAIMS NEW PAVING RECORD

A new world's record for the number of feet of pavement laid in a single day is claimed by the Illinois State Highway Department. A statement issued by the department notes that on July 28 the Hartman-Clark Bros. Construction Company of Peoria, working on Route 48 put down 3076 ft. of 18-in. concrete slab in 13 1/4 hours. The previous record was 2660 ft. of pavement in 13 1/4 hours made by W. C. Menely Company in 1924.

"The names of the men who laid it is not mentioned but if it is a 6-in. slab the record made by Hartman-Clark Brothers Company is equivalent to a little more than 1025 cubic yards," comments the Southwest Builder and Contractor of Los Angeles. "The California State Highway Department does not give recognition to records save for average performance. The high record for average daily production of concrete pavement on a single job belongs to Jahn & Bressi, of Los Angeles. This firm averaged 4273 cu. yds. of concrete per day of eight hours on the Rose Canyon job in San Diego county."

BASIC PRINCIPLES OF CONCRETE MAKING COORDINATED

BY JOSEPH A. KITTS

Consulting Concrete Technologist, San Francisco.

5A. Preliminary, Routine and Research Tests, and Analyses of Test Data.

In order to establish criteria of mixtures, under the local conditions obtaining at a given project, or at a given commercial concrete factory, preliminary and research tests must be made of basic mixtures of the local materials employed and the test results analyzed to determine the empirical constants A, B, D, E, F and G in the laws of mixtures expressed by equations (1) to (4), as given in Part No. 3.

Sources, characters, and quality of materials employed may be expected to change from time to time. Standards of quality of cement and aggregates are being improved or changed. New types of cements are being developed. New admixtures of merit are being discovered and sold to the buyer of concrete. Improved methods of proportioning and technological control, and improved facilities of production, are being employed by the progressive manufacturers of concrete. The basis of concrete specifications is changing from stated arbitrary proportions to the more rational one of quality. In order to keep pace with progress in these matters affecting the concrete industry, routine and research testing are essential operations of production.

Aggregates from the same source vary from day to day in fineness modulus, grading, density, specific gravity, moisture content and absorption. Changes in these physical characteristics of the aggregates change the consistency, texture, yield, strength, density, impermeability, durability, and cost of concretes produced in fixed measures of aggregates, whether by loose-moist or inundated bulk volume, or by weight. Routine tests of the aggregates and maintenance of the basic structures of the mixtures, by readjustments of the measured proportions as the materials vary, are, therefore, necessary to the processes of production of uniform concretes conforming to the many different specifications of maximum size of aggregates, strength, consistency, etc.

The literature on concrete is almost barren of fundamental test procedure and, particularly so, on the general subject of preliminary and routine tests essential to the technology of concrete production at commercial plants. This is naturally the case as the recent advent and needs of the concrete factory had not been anticipated and appreciated by the agencies of concrete research. It is, therefore, necessary that the manufacturer of concrete seek new procedure of tests answering the new requirements introduced by this new industry.

NEW CONDITIONS REQUIRE NEW STANDARDS

The standard test for unit weight of aggregates is based on dry-rodded bulk volume which is not only an impractical basis of measure, but also fundamentally unsound, as the corresponding absolute (= apparent) volume varies from 0.5 to 0.9. (See Part 1).

The standard test for voids in aggregate determines the density for only the dry-rodded bulk volume whereas the practical measures are loose-moist, loose-dry, and inundated bulk volume. Determination of the density of rock solids in the measure, rather

than voids of air space, provides a definite value and basis. The unit bulk volume (whether loose-moist, loose-dry, dry-rodded, or inundated), minus the proportion of absolute volume of solids (the density), equals the proportions of voids for the particular method of bulk measure.

The tentative standard for field determination of voids in fine aggregate, in contrast with the standard method, determines the voids in the inundated bulk volume instead of the dry-rodded bulk volume. Here, again, the voids of space are measured rather than the proportion of absolute volume of solids, and a second basis of measure is introduced.

The tentative standard test for field determination of surface moisture in aggregate finds the ratio of the weight of moisture to weight of dry aggregate. This is a third basis of measure. Here, the weight of water, with a specific gravity of 1.0, is compared with the weight of aggregate, whose specific gravity may be anywhere from 1.0— to 3.0+. Multiplying this determined ratio of weights, by the apparent specific gravity of the aggregate, gives the ratio of absolute volume of water to absolute volume of aggregate, and is definite.

The standard method of test for sieve analysis of aggregate obtains proportions of sizes by weight. The fineness modulus, however, is fundamentally based on absolute volumes, and, in determining the fineness modulus of a mixture of two or more aggregates having large differences in specific gravity, this fact must be taken into account. (Absolute volume of aggregate) = (Weight of aggregate) / (specific gravity of aggregate x unit volume weight of water).

The standard method of test for apparent specific gravity of aggregate determines the relation of weight of the dry aggregate to the weight of water displaced by the apparent ("absolute") volume of the aggregate. This is a fourth basis of measure employed in the standard methods of tests and the only one, of these mentioned, in which the absolute volume is the basic measure.

The credit for this last basis of standard test measure is due, not to concrete physicists, but to the French scientists who, after more than a century of endeavor, succeeded in the passage by the National Assembly of the law of the 10th of December, 1799, fixing definitely the value of the metre and of the kilogramme and then imposing it by an act, in 1837, forbidding the use of any other system of weights and measures subsequent to January 1st, 1840. The metre was designed to be 1/10,000,000 of the earth's quadrant through Paris, and a one-tenth metre cube of water at 4°C was adopted as the measure of the kilogramme of weight and the litre of liquid volume. The relation, of the weight of a unit absolute volume of any solid or liquid to the weight of a unit volume of water, was designated as the specific gravity of the particular substance. In this one respect, the American standard test measure of concrete materials and mixtures is modern; in most other respects, the standards of concrete physics have been confused by the bulk volume measures of materials employed by

the ancient makers of concrete.

(The adoption and use of the modern metric system of weights and measures, instead of the ancient, variously based and confusing English system, would lend efficiency and economy to the cement, aggregate and concrete industries, as well as to other industries, arts and sciences. The resulting economy would amount to millions of dollars per annum.)

The four bases of measure involved in the American Standard methods of tests are a serious confusion in concrete physics, make a simple matter abstruse, and the indefinite bulk volume measure has and will seriously retard progress in the knowledge of concrete physics.

The needs of the new industry of concrete manufacture demand a consistent and scientific basis of measure, and modern physics has placed the stamp of approval on the absolute volume as the basic measure of materials.

A rational concrete physics of commercial accuracy does not require that the measure of absolute volume be considered in the precise sense employed in exact science, but does require that it be considered in the sense of the "apparent volume" basis as in the standard determination of, "apparent specific gravity."

The foregoing will explain why the test measures employed herein depart from the American standards in some respects.

COORDINATED PROCEDURE OF AGGREGATE TESTS

Routine tests of the physical characteristics of job aggregates are essential in order to weigh out or bulk measure the required absolute volumes, and compensate for changes in density, specific gravity, fineness modulus, moisture content and absorption.

The procedure of testing must be simple, accurate, expedient and economical and, accordingly, systematized and coordinated.

The following coordinated test procedure is designed to meet these requirements and, particularly, for use of the most simple apparatus which may be readily improvised.

Apparatus:

Container—The container may be the standard one of 1/10, 1/2 or 1 cubic foot capacity; a strong water, cement or milk bucket; or other water-tight receptacle of circular section and plane top opening.

Scales—A platform and scoop scales, a spring balance, or other suitable weighing device, preferably of 250 lbs. (or 100 Kg) capacity and accurate to one-tenth of one per cent.

Sieves—Screens or sieves of square hole openings of 3", 1½", ¾", etc. to 0.0059", the size of the square hole decreasing in the ratio of 1/2 in the successive sieves. These are the present standard and should be had if available. In lieu of the standard sieves, others may be used and the standard analysis determined graphically from the results. The diameter of round holes, for the same practical screening results, should be 1.2 times the size of the square hole, i. e., should have the same average diameter. (See "Sieve Testing of Aggregates," By Edmund Shaw, in ROCK PRODUCTS, May 9, 1931).

Familiarity with the principles of use of the foregoing simple apparatus form a sound basis for the design of more elaborate and convenient facilities.

Sieving is one of the most tedious as well as most important of aggregate tests. A power operated sieve shaker is more accurate and expedient than manual means and soon pays for itself.

Aggregate Test Procedure:

The following procedure of aggregate

gate tests has been a gradual development by the writer, since 1912, and is described, briefly, as the "weight-volumetric method." The weight of a full container of water provides the basic measure of weight and volume. An average of three to five weighings of the full container is the basis of accuracy of the volume measurement. Other volumes or weights are determined by the weight-volume-specific gravity relations. The sequence of operations may be as follows:

Weight-Volumetric Tests for Density,

Specific Gravity, Fineness Modulus, Moisture, Absorption, Etc.

Test: **Example:**

A.—Weigh water exactly filling container. **62.40 lbs.**

The weighing should be repeated as a check and may be done three or more times and the average determined for accuracy.

B.—Weigh loose-moist aggregate filling container. **.....88.68 lbs.**

The manner of doing this should simulate the practical operation of loose bulk volume that it represents. Dropping the aggregate from a point 2 feet above the container, usually represents the field operation. The excess material should be struck off even with the top of the container without compacting.

C.—Surface dry B and weigh. **84.82 lbs.**

All but the absorbed and surface film moisture should be drained and blotted or evaporated from the material.

D.—Dry C at 212°F. cool and weigh. **83.22 lbs.**

Dry additional material for tests F, G, R, S, and O.

E.—Weigh D inundated, exactly filling the container with water. **113.73 lbs.**

An estimated amount of water should first be put into the container and then the material D added quickly, but in such manner as to prevent trapping of air, then placed on the scales and quickly filled with water in order to reduce the time to a minimum in which absorption may take place. With usual materials, this procedure gives accurate results.

With highly absorptive aggregates, and with aggregates received and used in a dry condition, the sequence of tests should be changed so as to obtain the displacement of same in a fully absorbed condition as in the standard test for "apparent specific gravity."

F.—Weigh aggregate filling container, rodding in the standard A. S. T. M. manner. **102.77 lbs.**

G.—Weigh loose-dry aggregate filling container. **89.74 lbs.**

I.—Determine weight of aggregate filling container in inundation with water. **96.00 lbs.**

A weight of aggregate about 25% greater than the B weight should be used. The container should first be about half filled with water and the aggregate poured in carefully and leveled off even with the top of the container allowing only the excess water to spill over. The weight

of the residue of aggregate subtracted from the total gives the I weight. Tests F, G and I are necessary only in special cases where these bases of measurement are specified or are to be used in comparison with similar data, etc.

O.—Make standard organic matter test.

R.—Make sieve analysis, finding total proportion by absolute volume coarser than each of the standard sieves Nos. 100, 50, (or 48), 30 (or 28), 16 (or 14), 8, 4, $\frac{3}{4}$ ", $\frac{3}{8}$ ", $\frac{1}{4}$ ", 3", etc.

Usually, the particular aggregate is fairly uniform in specific gravity throughout and the proportions by weight give the proportions by absolute volume.

S.—Make standard decantation silt test.

Calculations:

$d = \text{loose - moist density} = \text{proportion of volume of container filled with aggregate solids} = \frac{[A - (E - D)]}{A} = .511$ (7)

Here we have the ratio of the total of weight of the water filling the container, less the difference in weight between the dry aggregate and that of same with water filling the container, to the weight of water filling the container. This is equal to the ratio: weight of water displaced by the aggregate to weight of water filling the container. The corresponding absolute volumes are in the same ratio as the weights and, thus, we have the ratio of absolute volume of solids to absolute volume of container. The same principles apply in subsequent calculations.

$g = \text{apparent specific gravity} = \frac{E}{D/A} = 2.61$ (8)

$a = \text{absorption by absolute volume} = \frac{(C - E)/A}{D} = .050$ (9)

$m = \text{moisture by absolute volume} = \frac{(B - D)/A}{D} = .171$ (10)

$W = \text{weight of moist aggregate in lb. per cu. ft. by absolute volume} = 62.4(g + m) = 173.534$ (11)

$b = \text{bulking of absolute volume by loose measure, moisture and voids} = 1.0/d = 1.957$ (12)

$f.m. = R_{100} + R_{50} + R_{30} + R_{16} + R_8 + R_{\frac{3}{4}} + R_{\frac{3}{8}} + R_{\frac{1}{4}} + R_3 + R_{\frac{3}{4}} + R_{\frac{3}{8}} + R_{\frac{1}{4}} + R_3 + R_{\frac{3}{4}} + R_{\frac{3}{8}} + R_{\frac{1}{4}} + R_3$ (13)

$dr = \text{dry-rodded density} = F/A = .631$ (14)

$dd = \text{dry-loose density} = G/A = .551$ (15)

$di = \text{inundated density} = I/A = .590$ (19)

Determination of absorption of fine aggregate by the foregoing procedure is not wholly satisfactory because of the difficulty of getting same merely surface dry and not more nor less.

The following test procedure for fine aggregate is designed primarily for the absorption test and is enlarged to include other determinations to show the simplicity of another method of obtaining the physical characteristics of aggregates.

Tests of Fine Aggregates for Absorption, Apparent Specific Gravity, Density and Voids, Total and Surface Moisture, and Weight of Moist Aggregate per Cubic Foot of Absolute Volume of Solids:

Apparatus:

Metric balance or scales of 1 Kg or

greater capacity, sensitive to 0.5 g or less.

250-cc. glass cylinder, graduated in cubic centimeters.

Procedure:

A.—Weigh loose-moist aggregate, filling cylinder to 250 cc. mark.

B.—Dry A at 212°F. cool and weigh;

C.—Fill empty cylinder to about the 90 cc. mark with kerosene, read as C;

D.—Add about 200 gms. thoroughly dried and cooled aggregate; record weight as D;

E.—Read surface of aggregate as E;

F.—Allow to stand (covered) until absorption is completed and read surface of kerosene as F;

G.—Add water until surface of displaced kerosene is brought to about the 250 cc. mark, shaking to dislodge kerosene entrapped by aggregate; read top of displaced kerosene as G;

H.—Read top of water as H.

Calculations:

$v = \text{apparent} (= \text{"absolute"}) \text{ volume of aggregate in D weight} = H - (G - F)$ (20)

$g = \text{apparent specific gravity} = D/v$ (21)

$m = \text{volume of moisture to apparent volume of aggregate} = \frac{g(A - B)}{B}$ (22)

$a = \text{absorption by apparent volume of aggregate} = \frac{(v + C - F)/v}{v}$ (23)

$m-a = \text{surface moisture by apparent volume of aggregate}$ (24)

$d = \text{density of solids in loose-moist measure} = B/250g$ (25)

$di = \text{density of solids in inundation} = E/v$ (26)

$1.0-d = \text{voids in loose - moist aggregate}$ (27)

$1.0-di = \text{voids in inundated aggregate}$ (28)

$w = \text{weight of moist aggregate for one cubic foot absolute volume of solids} = 62.4(g + m)$ (11)

The Chapman Flask may be used in the same fundamental manner.

A 1000-cc. or larger graduated cylinder or flask may be used in the same manner for tests of coarse aggregates.

Physical Characteristics of Aggregates Needed:

It is not necessary, of course, to determine all of the fore-mentioned characteristics of aggregates for the various methods of measurement of materials which may be employed in concrete production. Following are the essential determinations of aggregate characteristics for formulation of mixtures of correct yield, for various methods of measurement of aggregates and types of mixing specifications:

SKILSAW Portable Electric Hand Saws (4 models).

SKILSAW Portable Electric Sander

SKILSAW Radial Arm Attachments.

SYNTRON Portable Electric Hammer (4 models, motorless).

MALL Flexible Shaft Machines (50 models).

Electric Drills, Grinders, Buffers, Routers, Lock Mortisers.

PETER H. NELSON
Labor Saving Portable Electric Tools.

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SALES . SERVICE . RENTALS

TABLE D.—ESSENTIAL AGGREGATE TESTS

Concrete Mixture Specifications	Job Methods of Measurement		
	Weight	Loose-Moist	Innundated
M | Strength, maximum size, slump	f,g,m,a	f,d,m,a	f,d,m,a
A | Loose-moist prop., max. size, slump	f,d,g,m,a	f,d,m,a	f,d,d,m,a
W/C	d,g,m,a	d,m,a	d,d,m,a
A | Weight prop., max/m size, slump	f,g,m,a	f,d,g,m,a	d,d,g,m,a
W/C	g,m,a	d,g,m,a	d,g,m,a
Dry-rodder prop. max. size, slump	f,d,r,g,m,a	f,d,dr,m,a	f,d,dr,m,a
W/C	dr,g,m,a	d,dr,m,a	d,dr,m,a
Voids ratios, max. size, slump	f,d*,g,m,a	f,d*,d,m,a	f,d,d*,m,a
W/C	d*,g,m,a	d*,d,m,a	d,d*,m,a
Bbls. cement, max. size, slump	f,g,m,a	f,d,m,a	f,d,m,a
W/C	f,g,m,a	f,d,m,a	f,d,m,a
M | W/C ratio, max. size, slump	f,g,m,a	f,d,m,a	f,d,m,a
" Fullers grad., max. size, str., slump	f,g,m,a	f,d,m,a	f,d,m,a
" bbls. cem., W/C	f,g,m,a	f,d,m,a	f,d,m,a
M | Optimum dens., max. size, str., sl'p	f,g,m,a	f,d,m,a	f,d,m,a
" bbls. cem., W/C	f,g,m,a	f,d,m,a	f,d,m,a
M | Talbot grad., max. size, str., sl'p	f,g,m,a	f,d,m,a	f,d,m,a
" bbls. cem., W/C	f,g,m,a	f,d,m,a	f,d,m,a

d* is the particular density corresponding to the basis of voids specified.

The foregoing include most of the usual practicable combinations of requirements of mixtures and will serve as a guide for logical mixture specifications. Where skilled control of production is available, only the modern specifications marked M are recommended. Only those arbitrary proportions specifications marked A are suitable, in cases where a concrete physicist is not available to control the production, and the job methods of measuring must conform to the specified measures of proportions.

MIXED AGGREGATE ANALYSIS

The various conditions obtaining in concrete mixtures such as density of solids, filler to voids ratios, sand to cement ratios, and cement to space occupied, have been indicated by past research as having important effects upon the strength, impermeability, durability and economy of concrete. Additional research needs to be made in order to clarify these effects and correlate them definitely with the fundamentals of mixtures coordinated in Parts 3 and 4. Therefore, we are interested to know such values, for parts and the whole of a uniformly graded mixed aggregate (composed of two or more sizes of both sand and coarse aggregate), as: (a) loose (or compact) density of the sand combination, of the rock combination, and the mix; (b) loose (or compact) volume of sand to voids in loose (or compact) coarse aggregate; (c) absolute volume of sand to voids in loose (or compact) coarse aggregate; (d) bulk volume of cement to voids in the loose (or compact) mixed aggregate; (e) absolute volume of mortar to voids in coarse aggregate; etc.

Knowing the individual apparent specific gravities and proportions by absolute volume of aggregates in the mix, it is a simple matter to determine the forementioned values by weighing a containerfull, of each of the pertinent combinations and calculation on the basis of the weight-specific gravity-volume relations.

The average apparent specific gravity of a combination of aggregates, is $G_m = G_1P_1 + G_2P_2 + G_3P_3 + \text{etc.}$ (29) in which $G_1, G_2, G_3, \text{etc.}$, are the individual gravities, and $P_1, P_2, P_3, \text{etc.}$ are the proportionate absolute volumes in the combination.

The particular density of the particular combination of aggregate filling the container and weighing W_a is $d_a = W_a/A_g$ (30)

in which A is the weight of water filling the container and a is the number designating the particular combination.

These are very elementary procedure to the concrete physicist accustomed to working with the absolute volume basis of measure of ingredients and, while they are, at first,

very abstruse to those accustomed to the use of bulk volume bases of measure, their comparative simplicity, adaptability and convenience are soon valued as essentials of efficiency by the student of concrete physics.

CONCRETE MIXTURE ANALYSIS

The foregoing outline of aggregate mixture analysis forms a part of the analysis of a concrete mixture.

Having determined the weights and absolute volumes of the individual ingredients, aggregates, cement, mixing water and absorbed water, in the mix, we may proceed to measure the relations of parts, as follows:

(1) Combine cement and water, (a) mix specified time, (b) measure slump and (c) flow, (d) weigh containerfull, (e) make compression specimens of premeasured volume, (f) determine shrinkage of specimens, (g) determine compressive strength at 28 days, etc.;

(2) Combine cement, water and sand, continue as in (1);

(3) Combine cement, water and aggregate, continue as in (1);

(4) Combine cement, water, aggregate and admixture, and continue as in (1);

(5) Repeat (3), substituting flexural specimens and tests for (e), (f) and (g);

(6) Repeat (3), substituting permeability specimens and tests for (e), (f) and (g);

(7) Wear Tests; (8) Mixing Time Tests; (9) Curing Tests, and,

(10) Determination of flow, slump, yield and strength, and increase of solids, for various ages for combinations of cement and water in various ratios, are very important subjects of concrete mixture research. The amount of water going into chemical combination with the cement and the resulting volume of solids vary with the W/C ratio and time. The proportion of water combining with the cement to create new solids varies with the W/C ratio and age up to .16 or more. The cement solids change from an absolute specific gravity of 3.1+ to 2.4+.

The absolute volume of absolute solids increase, in 28 days, with a W/C of 1.2, as much as .6 over the original absolute volume of absolute cement solids. This last is difficult to believe until it is appreciated that one sack of cement and 1.2 cu. ft. of water produce about 2.0 cu. ft. of hardened mortar in which there was originally only .5 cu. ft. absolute volume of cement solids which, increasing to .8 cu. ft. of solids by combination with water, still leaves 1.2 cu. ft. of voids in the set mortar. These considerations have an important influence upon the density, impermeability and durability of the concrete and research has merely touched on the subject.

(11) Chemical reactions take place between pozzolanic materials, cement and water, with an additional and important increase of solids, and research has merely touched on this subject.

Yield of Absolute Volumes:

The yield in apparent volume of concrete by the total apparent volume of ingredients is determined from the weight of a containerfull, the total weights and total apparent volumes of the ingredients, the volume of the container, and the shrinkage factor, by simple proportion as follows:

$$Ky = \frac{(\text{vol. of container}) \times (\text{total weight of mix}) \times (\text{shrinkage ratio})}{(\text{total app. vol. of ingredients}) \times (\text{wt. of containerfull})} \quad (31)$$

Shrinkage in Setting Ratio:

The "shrinkage ratio" is the ratio of the volume of the set and cured concrete to the volume of same when freshly molded. This is readily determined by weighing water filling the mold and weighing the water displaced by the set and cured concrete.

Weight of Dry Concrete:

The weight of dry concrete per cubic foot is obtained from a weight of a containerfull in a manner similar to that of obtaining the yield:

$$Kw = \frac{(\text{total wt. of solids} + H(\text{wt. of cement}) \times (\text{wt. of containerfull}))}{(\text{vol. of container}) \times (\text{wt. of mix}) \times (\text{shrinkage ratio})} \quad (32)$$

in which H is the ratio of weight of water (going into combination with the cement) to weight of cement. H varies with the W/C ratio and age of the concrete from 0 to .16.

Density of Concrete:

The density of concrete is the proportion of apparent volume of solids in the apparent volume of concrete and, while it is not usual to do so, should include the increase of solids due to chemical combination of cement and water. It is determined as follows:

$$Ka = \frac{(\text{total app. vol. of solids}) + (H' \times \text{app. vol. of cement})}{(\text{total app. vol. of ingredients}) \times Ky} \quad (33)$$

in which H' is the proportionate increase of volume of solids by chemical combination of cement and water. H' varies, with the W/C ratio and age, up to 0.60+.

Importance of the Weight-Volumetric Procedure:

The importance of the weight-volumetric procedure of aggregate and concrete tests in concrete research cannot be too strongly emphasized. The coordination of the weight-volumetric method of measure with simple proportion in calculation has special advantages. It combines simplicity of apparatus and facility and efficiency of operations with accuracy of results. It takes advantage of the weight-volume-specific gravity relations in a simple and direct manner. It reduces the essential operations and measurements to a minimum.

The convenient mathematical relation employed in the weight-volumetric procedure is that total volume is to test volume as total weight is to test weight.

It should be specially noted that weighing the containerfull, as the basis of measure, and employing simple proportion as the corresponding means of calculation, is a procedure which has a facility and accuracy peculiar to itself:

First, that of convenience and accuracy of the containerfull; secondly, the convenience and accuracy of rep-

ettition; thirdly, that it is not necessary to measure the whole volume of the mix sample and thus avoids the difficulty of recovering all of the ingredients; and, finally, that its accuracy depends upon the most accurate practical means of measure and is not affected by loss of a proportionate amount by spilling or otherwise.

An understanding of the weight-volume-specific gravity relations and of the mathematics of simple proportion, and appreciation of the corresponding weight - volumetric procedure of test measurements, constitute essential fundamentals of a knowledge of concrete physics.

ANALYSIS OF CONCRETE TESTS

While the previous articles have presented coordinated empirical laws of mixtures relative to compressive strength, cement content, water - cement ratio, grading, and yield of combinations, which have proven quite accurate and well-founded under a diversity of conditions, it should not be assumed that they comprehend all the fundamental facts. They need to be further correlated with the known facts and amplified by the discovery of new facts. Available data needs to be more fully analyzed in the light of these developments, and additional research needs to be made with the new bases of appreciation.

Graphical Analysis of Physical Laws of Mixtures:

Preliminary analyses are necessarily graphical, and coordinate paper of uniform scale, semi-log, log-log, and perhaps other coordinate scales, are facilities of graphical analysis.

Having found a straight line relation on any mathematical form of coordinate paper, the mathematical form of the equation is then apparent and the most probable equation for a set of values is best determined by the algebraic method of least squares.

It should be appreciated in the determination of an empirical equation that such equation may be expected to be closely approximate only within reasonable and practical limits. The water-cement-strength equation holds only for plastic, fluid and cohesive mixtures. The cement content strength equation is closely true only for strengths from 1500 lb. per sq. in. up to that of neat cement of the given consistency. Similar limitations apply to all the empirical equations. Equations (1) to (4) inclusive are dependent one on the others.

Caution is necessary in the interpretation of the graph of cause and effect to ascertain whether the indicated cause is the true cause of the effect.

The relations of cement content, fineness modulus, W/C ratio, strength, density, weight per cu. ft., sand-cement ratio, economy factor, etc., of mixtures of a given slump and maximum size of aggregate, are best shown on a composite diagram, employing, for example, fineness modulus as ordinate and cement content as abscissa.

Graphical analyses of concrete tests will show irregularities and inconsistencies in results due to the prevailing error of all measurements. The probable errors of test measurements should be appreciated and compensated for by smoothing of graphs, and by analytical methods of empirical equations, method of least squares, etc.

Probable Error of Tests:

Laboratory measurements of the ingredients in mixtures may be effected within 0.1% by ordinary care in weighing. Physical tests of aggregates, aggregate mixtures and of fresh concrete mixtures, may be made within one per cent by ordinary care with the weight-volumetric method.

Compression tests of concrete, unless made strictly and accurately in accordance with the standard procedure, are subject to errors up to 80% or more due to faults of molding, capping, curing and loading, as indicated by the following relative strength tests of specimens, affected by such faults, and of companion specimen tests made as accurately as practicable in the standard manner:

(1) Cylinder with top surface inclined $\frac{1}{2}$ inch in 6 inches show 95% of standard test;

(2) Cylinders with plane parallel ends but with axes inclined $\frac{1}{2}$ inch in 12 inches show 92% of standard test;

(3) Cylinder molded on plane cast iron base with top trowelled smooth show 95% for 1:7 and 80% for 1:3 $\frac{1}{2}$ concrete.

(4) Cylinders set $\frac{1}{2}$ inch off center in the press show 90%;

(5) Convexities of 0.01 inch and 0.05 inch in bearing ends show 90% and 55%, respectively, for 1:6 mixtures, and 65% and 40% for 1:3 mixtures;

(6) Boom of air-cured concrete shows 40% of damp sand cured, at 28 days age;

(7) Concretes cured 28 days at 50°F show 82% of that cured at 70°F;

(8) Combinations of the foregoing, and other conditions difficult to avoid, cause accumulative errors often greater than one-half the actual or potential strength of the concrete tested.

Individual compression tests are unreliable criteria for the strengths of concretes in research and practice, and the average, of a number of tests made within strict observance of the standard procedure, is, at best, only a fair approximation of the actual strength. The probable error of the average of a set of compression tests may well be determined by the method of least squares as an indication of the uniformity of the strength, but, the prevailing minus errors can be eliminated only by accuracy of manipulations.

San Francisco, California.

June 15, 1931.

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Reports of new orders for fabricated structural steel for the week ending August 22, 1931, were received from 199 establishments, whose capacity represented 54.7 per cent of the total capacity of all plants in the United States. The bookings reported by these establishments amounted to 9677 tons, representing 19.2 per cent of the total capacity of reporting establishments. Reports of shipments of fabricated structural steel for the same week were received from 96 establishments, whose capacity represented 52.5 per cent of the total capacity of all plants in the United States. The shipments reported by these establishments amounted to 70,879 tons, representing 43.1 per cent of the total capacity of the reporting establishments.

John H. Hunt, purchasing agent for the Pacific Gas & Electric Co., was drowned in Bolinas Bay, Marin County, last Sunday. He is believed to have suffered a heart attack. Hunt had been with the P. G. & E. Company for the past twenty-seven years.

James T. Narbett, architect, has been elected commander of the Richmond Post, American Legion in Contra Costa County.

Leon W. Moore, city engineer of San Luis Obispo, has been appointed building inspector ex-officio by the city council. Hereafter all applications for building permits will be filed in the office of the building inspector and not with the city council as heretofore.

Ralph R. Arnold, county engineer of Contra Costa County, left Martinez last Wednesday on the first leg of an extended tour through southern United States, Cuba, the Bahama Islands and Pennsylvania.

Arnold, whose destination is a visit in Pennsylvania with relatives, will travel to El Paso and New Orleans, then to board the S. S. Cebahl for Havana, and to Miami, Fla. He will visit Nassau, Bahama Islands, continue to New York and then visit in Pennsylvania, before starting his return home on October 5.

Karl W. Muck, former Los Angeles County architect, has opened offices in the Architects' Bldg., Los Angeles, and will engage in the business of architecture, specializing in public institutional buildings. Mr. Muck severed his connection with Los Angeles county on August 26.

George H. Sprague of Philadelphia has been appointed lecturer in architecture at the University of Southern California. Mr. Sprague is a graduate of the University of Pennsylvania, has also studied abroad with Michel Jacobs in the Metropolitan school of Fine Arts, New York, and has practiced architecture in Philadelphia and Wilmington, Delaware.

State Engineer Edward Hyatt has issued an invitation to engineers of 17 western states to meet in Sacramento October 23, 29 and 30, for discussion of state and federal policies on water conservation problems.

Steel skeletons for two- and three-story buildings are being produced in Germany by the Stallbau Dusseldorf. The skeletons are fully fabricated in the factory—either welded or riveted—so that only assembly work is necessary at the site. It is said that the steel skeleton for a three-story building may be set up in two or three days and that costs are reduced from 8 to 10 per cent.

ALONG THE LINE

Wm. H. Wattis, president of the Six Companies, Inc., contractors on the Hoover Dam Project, the greatest engineering project in American history, died at the St. Francis Hospital in San Francisco, last Sunday.

Wattis was 72 years ago. Last spring, although he was suffering from cancer and under treatment at Saint Francis Hospital here, he went into the stupendous job of floating a \$50,000,000 engineering syndicate and helped to prepare the successful bid. He was in the hospital when the Department of Interior awarded the contract to the Six Companies, last March and never left it except for a daily automobile ride.

Wattis was born in Uinta, Utah, and became associated with his uncle in the latter's contracting business while still a young man. He soon became a partner and in 1909 organized the Utah Construction Company. Under his direction, the company built dams, railroads, and other projects throughout the west.

Wattis was a director of several banks and other companies in Utah; was president and general manager of the Utah-Idaho Sugar Company.

THE OBSERVER

What He Hears and Sees on His Rounds

Bankruptcies in the lumber industry were not as heavy during August as compared with a year ago, there being 20 failures reported compared to 23 for last August, according to the Lumbermen's Blue Book analysis. Receiverships held even at 15 as did assignments at 6. During the month there were 6 extensions, 3 compromise settlements and 9 creditors committees appointed, all of which were in excess of those reported in August, 1930. Most of the creditors committees appointed were for millwork concerns. Claims placed for collection during the month far exceeded the volume of a year ago and were far in excess of any previous month this year. The average claim was about 12% lower than last year and slightly less than the average for the past few months. Collections continue difficult, the same as a year ago.

A prevailing-wage law for Illinois, in effect the last two months, recognizes union rates as the prevailing rates, according to the Building Construction Employers' Association. Contractors who pay less than scale will have the difference deducted from payments due them at time of settlement; second violation will bar contractor from further bidding on public work.

Declaring that civilization is now going through a crisis threatening the survival of architecture as a profession, the American Institute of Architects announced plans to unify the architects of the nation under the leadership of the Institute.

There are now more than 30,000 persons in the United States who have been trained in architecture, and who are enrolled chiefly in the independent societies, it was said by Frank C. Baldwin of Washington, secretary of the Institute, in making public the report of two Unification Committees headed by Edwin Bergstrom of Los Angeles, representing the Institute, and Robert H. Orr of Los Angeles, acting for the state societies.

The report strongly recommended unification, saying that state-wide organization of architects should be incorporated in every state with local branches, and should work with the chapters of the Institute, which should be the sole national organization of architects. Formation of architectural clubs and of student clubs was also urged.

Where is the oldest home in the United States? Is it hidden in the streets of some great city that has grown up around it, or is it standing in some quaint country town with old trees shading its doorway?

Is it the old Fairbanks home at Dedham, Mass., variously reported as the oldest and the second oldest residence still standing on this continent, is it the home of Paul Revere, is it the quaint shingled house of John and Priscilla Alden, or is it a home never known of before?

The National Association of Real Estate Boards wants to know.

The Association wants to locate the oldest home, and start a movement to preserve it as a shrine dedicated to the ideals that are founded on home ownership.

The old Fairbanks home was built in 1636. It was occupied by lineal descendants of the family until 1903.

The house is built entirely of lumber and plaster except for the chimneys, door steps, etc., and the old oak framing has achieved a rich chocolate brown. It is believed that the timbers were originally ship timbers, very possibly having been made in England.

The Real Estate Association asks that anyone knowing of a house as old or older than the Fairbanks structure send a description of it to the Association offices, 59 East Van Buren Street, Chicago, where every effort to locate the most ancient residence will be made. Later the Association plans to ask women's clubs, historical societies, and civic organizations to aid in preserving such a home, if such steps have not been taken, and to make it a home owning monument in any event.

The American Institute of Steel Construction will condense its usual full-week annual convention program into three days at White Sulphur Springs October 28 to 30, inclusive. The time will be devoted more intimately to the problems of the industry, a review of conditions of the past year and exchange of views on how steel construction can be advanced. The discussions will be divided equally between the technical problems of production and the economic problems of selling. All the formal speeches of the convention will be made by persons drawn from the industry, no outside talent being enlisted upon this occasion. In view of the widespread changes taking place in the industry during the past year, especially in the matter of company set-up, and the broadening opportunities for structural steel, the Institute plans to make an especial appeal to the industry as a whole to join in the forthcoming conference. Membership in the Institute has been limited to plants fabricating and erecting structural steel. Many others are vitally concerned in the promotion of the markets for structural steel and it is these others who are to be invited especially to attend the meeting at White Sulphur Springs.

The Youngs Bay Lumber Co's new mill at the mouth of the Columbia River has been put into operation, giving employment to 70 men. The mill has a capacity of 100,000 ft. per day and is of the Swedish type, suitable for sawing small timber.

Wm. Rosen and Louis Miller will operate in San Francisco under the firm name of Atlantic Paint & Wall Paper Co.

Frederick Car Zocher, Reno, Nevada, representative of the Hobart Estate Company for thirteen years, died in that city last Friday. He was connected with lumbering in California for many years, and had long been employed by lumber companies as an estimator. He was the owner of a large tract of land near Lake Tahoe. The deceased was a native of Germany, 54 years old, and is survived by his widow, two daughters and a sister.

Between 3500 and 4000 extra men will be employed by the state department of public works in emergency road maintenance, a measure of relief for the unemployed.

For the purpose of carrying out this plan, in conformity with Governor Rolph's appeal to all state departments to do their best to provide employment for idle men during the ensuing winter, the highway commission has appropriated \$1,500,000.

The assistance of the mayors of cities and relief committees throughout the state will be sought by the highway division in selecting the men to be employed.

Three days a week employment will be given the extra maintenance employees. Men with families will be given preference.

There are 27,262 retail establishments which are, or may be, engaged in the sale of lumber at retail, according to the 1930 census. And these account of 4.24 per cent of the \$50,033,850,792 aggregate net sales reported (for 1929) by the 1,549,168 retail stores, says a bureau of census report just released.

The traceable first-hand output of lumber through the above establishments shares in a total retail value of \$1,524,381,326 for furniture and \$2,125,203,417 for lumber and building materials. But the last group is again distributed to include "lumber and building materials," "lumber and hardware," and "roofing."

Lumber and building materials as a sub-title accounts for \$1,892,604,099, or 3.78 of the nation's total, divided among 21,672 establishments.

Lumber and hardware accounts for \$181,123,500, representing .36 per cent of the total and divided among 2661 establishments.

Figures for roofing show 2929 establishments, \$51,475,818 and .10 per cent of the nation's total retail sales.

In Nassau County, New York, not long ago, a \$45,000 paving contract was awarded to a contractor who refused to accept any pay for the job himself.

Now if that isn't unique in the contracting business, we ask you what might be more unusual. The New York Times, carried this story:

Mineola, L. I.—Anxious to relieve unemployment in Nassau, the county board awarded a \$45,000 paving contract today to a contractor who refused to accept any pay for the job himself.

"When bids were submitted for the paving of Union Ave., Lynbrook, Andrew Weston, president of Andrew Weston, Inc., said that his organization would lend all its tools and equipment for the purpose without charge and supervise the work if the county would hire only local men at a salary of \$4 a day. His organization would advance the weekly payroll and the county could reimburse the firm, he said.

"The supervisors recommended that each worker be engaged for only three days a week, so that the project might afford more relief to the unemployed."

That act proves not only interesting, as well as unusual, but it goes to show how humane man can be, how interested he can become in the welfare of his fellow man.

Andrew Weston is a member of the Associated General Contractors of America.

This writer finds that the A. G. C. member is a leader in his community. He is working all the time for the betterment of the industry in which he is engaged and at the same time is not overlooking an opportunity to aid those who may not be so fortunate as himself.

Would that the industrial world had more Westons in time like the present.

Building News Section

APARTMENTS

Sub-Contracts Awarded.
STORE & APT. Cost, \$5825
BURLINGAME, San Mateo Co., Cal.
Capuchino Ave. and Broadway.
Two-story frame and stucco store and
apartments.

Owner—Ray Pladwell, 1144 Capuchino
Ave., Burlingame.
Architect—W. C. F. Gilliam, 1401
Broadway, Burlingame.
Contractor—George McLeod, 2311 35th
Ave., San Francisco.

Lumber—Wisnom Lumber Co., Broad-
way, Burlingame.
Reinforcing Steel & Steel Sash—Soule
Co., 1750 Army St., San Francisco.
Concrete Materials—Casey Co., San
Mateo.

Mill Work—Trollman Mill Co., Mill-
brae.

Plumbing—J. W. Forsythe, San Mateo.
Electric Wiring and Fixtures—Atlas
Electric Co., 135 E. St., San Mateo.

Hardware—H. & H. Hardware Co.,
1405 Broadway, Burlingame.

Hollow Tile—H. Orhan, Burlingame.
Sheet Metal—D. Garvey, 1206 Don-
nelly, Burlingame.

Glazing—Cobbledick—Kibbe Co., 666
Howard St., San Francisco.

Roofing and Dampproofing—United
Roofing Co., 142 Stillman St., San
Francisco.

Painting and plastering bids being
taken.

Additional Sub-Contracts Awarded.
APARTMENTS Cost, \$60,000
SAN FRANCISCO. NE Bay and Web-
ster Streets.

Three-story and basement frame and
stucco apartments (18 rooms,
steam heating system, oil burner,
tile and composition roof, oak
floors, canvas walls, plaster exter-
ior, electric refrigeration).

Owner and Builder—Grace Perego, 176
Sutter Street.

Architect—H. C. Baumann, 251 Kearny
Street.

Plumbing and Heating—M. Deslano,
3117 Fillmore St.

Mill Work—Portland Planing Mills,
1618 Mission St.

Sub-bids are wanted on roofing,
sheet metal, plastering, stairs, electric
refrigeration, iron work, fire escapes,
etc.

As previously reported, structural
steel awarded to Golden Gate Iron
Works, 1641 Howard St.; electric work
to Aetna Electric Co., 1337 Webster
St.; lumber to Christensen Lbr. Co.,
5th and Hooper Sts.

Plans Being Prepared.
APARTMENTS Cost, \$—
SAN FRANCISCO. Twenty-fifth and
Bartlett Streets.

Six-story and basement steel frame
and concrete apartments (34 2-
and 3-room apts.); composition
roof, steam heating, electric re-
frigeration, etc.

Owner—Withheld.
Architect—William C. Ambrose, 605
Market St., San Francisco.

Plans will be ready for bids in about
sixty days.

Plans Being Completed.
ALTER APARTMENTS Cost, \$8000
SAN MATEO, San Mateo Co., Cal.
Bellevue and Claremont Aves.
Alterations to two-story and base-
ment frame and stucco apartments

(new plumbing, electric work, new
heating plant—steam or warm air)
owner—A. Winkler, 422 S. Eldorado
St., San Mateo.

Plans by Grimes & Schoening, Bal-
ovich Bldg., San Mateo.
Bids will be taken in about ten days

Additional Contracts Awarded.
APARTMENTS Cost, \$20,000
SAN FRANCISCO. SW Jones and
Union Streets.

Three-story and basement frame and
stucco apartments (6 three-room
apts.), composition roof, steam
heat, gas furnace, hardwood floors,
tile baths and kitchens.

Owner—G. Delrmenzi, 1159 Union St.,
San Francisco.

Architect—J. Zanolini, 604 Montgom-
ery St., San Francisco.
Contractor—L. Murer & Co., 1315 Ma-
son St., San Francisco.

Plumbing and Heating—Frank Sasso,
3137 Scott St., at \$3366.
Electric—J. Unger, 290 Ninth St.,
San Francisco, at \$892.

Painting—S. Macchetto, 1343 Powell
St., San Francisco, at \$1255.

Construction Postponed Indefinitely.
DUPLICATE APTS. Cost, \$8500
SAN JOSE, Santa Clara Co., Cal.
Naglee near Park Ave.

One-story frame and stucco duplex
apartments (two four-room apart-
ments; shingle roof, terrace, col-
ored tile baths and kitchens).

Owner—J. S. Mese, 65 Atlas Ave., San
Jose.

Architect—W. E. Higgins, Realty
Bldg., San Jose.

Bids In—Held Under Adversement.
APARTMENTS Cost, \$25,000
SAN FRANCISCO. Brooklyn Place S
Sacramento St.

Four-story and basement reinforced
concrete and wood frame apart-
ments (11 2- and 3-room apts.;
steam heat, composition roof, tile
baths, hardwood floors).

Owner—Withheld.
Architect—F. W. Dakin, 625 Market
Street.

Announcement will be made within
a few days.

BONDS

HAYWARD, Alameda Co., Cal.—
Bond election in the amount of \$10,000
is contemplated by the Hayward City
School District, to finance construc-
tion of a new school.

SAN FRANCISCO—Board of Edu-
cation has voted to place a \$3,500,000
bond issue on the November ballot to
finance a two-year school building
program, including new structures and
additions to standing buildings. The
tentative program follows:

Matt I. Sullivan Elementary School,
Arkansas St. between Nineteenth and
Twentieth Sts., \$140,000.

Addition to Longfellow School,
More and Lowell Sts., \$125,000.

Bernal Heights Junior High, Holly
Park Circle and Highland Ave., \$650,-
000.

Hassler School, Florida St. between
Twenty-fifth and Twenty-sixth Sts.,
\$150,000.

George Washington High, Thirtieth
Ave. and Geary St., \$1,200,000. To
accommodate between 2,000 and 2,200
pupils.

Abraham Lincoln High, Twenty-
third Ave. and Haveria St., \$500,00.
Horace Mann Junior High addition,
\$150,000.

Lawton Elementary, Thirtieth Ave.
and Lawton St., \$120,000.

Farragut Elementary, Holloway
Ave. between Faxon Ave. and Capitol
St., addition, \$80,000.

Marina Junior High, Fillmore and
Chestnut Sts., first unit, \$385,000.

CHURCHES

Planned.
CHURCH Cost, \$—
FRESNO, Fresno Co., Cal.
Church.

Owner—First United Lutheran Church
Dr. George Hillerman, (Pastor).
Fenger and Thomas Aves., Fresno.
Architect—Not Given.

To Be Prepared.
CHURCH Cost, \$50,000
MODESTO, Stanislaus Co., Cal. 16th
Street bet. H and I Sts.

Church building.
Owner—Methodist Episcopal Church,
Rev. L. L. Loufourow, pastor.
Architect—Not Selected.
E. R. Hawke, chairman of the build-
ing committee.

Pew Contract Awarded.
CHURCH Cost, \$40,000
SAN PABLO, Contra Costa Co., Cal.
Church and Market Streets.
One - story reinforced concrete church
(Mission style, tile roof, to seat
350).

Owner—St. Paul's Catholic Church
Rev. Eystato Tozzi, San Pablo.
Architect—John Foley, 770 Fifth Ave.,
San Francisco.

Contractor—S. Rasori, Call Bldg., San
Francisco.

Pews—Bay City Cabinet Co., 1076 5th
St., Oakland, \$2,530.

Other awards previously reported.

Contract Awarded
MONASTERY Cost, \$—
SIERRA MADRE, Los Angeles Co.,
Cal.

Three-story masonry monastery (340x
36) (50 bedrooms, infirmary,
chapel, prayer room, etc.)

Owner—Passionist Fathers.
Plans by Rev. Father Edmund Walsh.
Contractor—W. J. Schits, 67 E. High-
land Ave., Sierra Madre, Cal.

FACTORIES AND WARE- HOUSES

Construction Authorized—Plans Being
Prepared

HANGAR Cost, \$5,000
REDDING, Shasta County, Cal.

Hangar at Municipal Airport.

Owner—City of Redding, Leslie En-
gram, city clerk.

Architect—Not Given.

Bids for construction will be asked
upon the completion of plans.

STOCKTON, San Joaquin Co., Cal.
—Warehouse of Stockton Hay and
Grain Co. in West Weber Ave., suf-
fered \$25,000 fire loss, Sept. 11. The
loss included stocks stored.

LOS ANGELES, Calif.—Pioneer Pa-
per Co., 5500 S. Alameda St., has pur-
chased an acre of ground adjoining
its present plant at 55th and Alameda
Sts. for future additions to the plant.

It has not been determined what the nature of the improvements will be nor when construction will be started.

Contract Awarded.

LAUNDRY, ETC. Cost, \$8000
SAN FRANCISCO. 104 Leland Ave.
Two-story and basement frame and stucco laundry and residence.
Owner—C. Pedepade, 104 Leland Ave.
Plans by Mr. Kimball.
Contractor—F. M. Kimball, 3730 20th Street.

Bids Opened.

WAREHOUSE Cost, \$—
SACRAMENTO, Calif.
Erect warehouse at County Corporation Yard.

Owner—County of Sacramento, Henry W. Hall, county clerk.

Plans by Chas. Deterding, Jr., county engineer, Courthouse, Sacramento.
Low Bidder—Lindgren & Swinerton, Inc., California State Life Building, Sacramento.

Following is a complete list of bids:
Lindgren & Swinerton, Sacto.....\$1,445
Guth & Fox, Sacramento.....1,786
M. R. Peterson, Sacramento.....1,827
George Hudnutt, Sacramento.....2,050
P. F. Bender, Sacramento.....2,178
H. Gould, Sacramento.....2,412
Bids held under advisement.

Contract Awarded.

SHED Cost, \$—
FRESNO, Fresno Co., Cal. No. 2021
H Street.
Corrugated iron and concrete storage shed, 50x160 feet.
Owner—Willard Lumber & Supply Co., Fresno.

Private plans.

Contractor—Fred J. Stone, Fresno.

Plans To Be Prepared.

WAREHOUSE Cost, \$—
OAKLAND, Alameda Co., Cal. Alice
St. between 4th and 5th Sts.
Warehouse and spur track facilities.
Owner—Merchants Express & Drying Co. (Mr. Scott in charge), 1640 18th St., Oakland.
Architect—Not Given.
Lessee—United Grocers, Inc., 200 Mission St., San Francisco.

FLATS

To Be Done By Day's Work.

FLATS Cost, \$12,000
STOCKTON, San Joaquin Co., Cal.
No. 1503-09 N-Edison St.
Two-story and basement frame and stucco flats (4 flats and garage).
Owner and Builder—H. H. Becker, 329 E-Cleveland St., Stockton.
Architect—Not Given.

To Be Done By Day's Work

FLATS Cost, \$9,000
SAN FRANCISCO. N Cabrillo E 30th Ave.
Two-story and basement frame and stucco flats (2 flats).
Owner and Builder—G. R. Johnson, 801 44th Ave.
Architect—Not Given.

Contract Awarded.

FLATS Cost, \$10,000
SAN FRANCISCO. W Twenty-second Ave. 100 N Geary Street.
Two-story and basement frame and stucco (2) flats.

Owner—J. and W. Kiatas.
Architect—Upton & Ralph, 110 Sutter St., San Francisco.

Contractor—E. Zinkand & Son, 667 36th Ave., San Francisco.

Architects are taking bids on plumbing and heating work. Est. cost, \$2000.

Sub-Bids Being Taken.

FLATS Cost each, \$9000
SAN FRANCISCO. S Beach St. East Fillmore St.

Three 2-story and basement frame and stucco flats (6 6-room flats; tar and gravel and tile roof, steam heating system, tile baths and kitchens; electric refrigeration, hardwood floors, etc.)

Owner and Builder—M. P. Jorgensen, 2225 North Point St.
Plans by L. O. Ebbets, Hearst Bldg.

GARAGES AND SERVICE STATIONS

Plans Being Prepared
WAREHOUSE-GARAGE Cost, \$13,000
COLUMBIA, Colusa Co., Cal. Second and Main Sts.

One-story corrugated metal wood and frame garage and warehouse.

Owner—Pacific Gas & Electric Co., 245 Market St., San Francisco.

Plans by Eng. Dept. of Owner.

It is expected to call for bids in about thirty days.

Contract Awarded

AUTO SALES BLDG. Cost, \$23,000
SANTA CRUZ, Santa Cruz County, Cal.

One-story and basement reinforced concrete garage and auto service station, 75-ft. frontage (Mission type).

Owners—John Ottaviano and Clarence G. Mendoza, 44 Cooper St., Santa Cruz, Cal.

Architect—Not Given.

Contractor—Hamilton & Church, 383 Ocean Ave., Santa Cruz, Cal.

Segregated Bids Being Taken.

SERVICE STATION Cost, \$5000
BERKELEY, Alameda Co., Cal. 8th and Center Streets.

One-story steel frame service station.

Owner—Withheld.

Architect—W. J. Wilkinson, 4268 Piedmont Ave., Oakland.

Sub-Contracts Awarded.

SALESROOM Cost, \$6000
SAN FRANCISCO. SE 11th and Minna Streets.

One-story class C salesroom.

Owner—E. Gruhn, 604 Mission St.

Engineer—N. B. Green, Sharon Bldg.
Contractor—F. R. Siegrist Co., 604 Mission Street.

Grading—McClure & Chamberlain, 608 Octavia St.

Structural Steel—Judson Pacific Co., 609 Mission St.

Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Sts.

Other awards will be made shortly.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—Bids are being received by the Bureau of Supplies and Accounts, Navy Dept., Washington, D. C., to furnish materials and equipment to Pacific Coast navy yards and stations. Further information on the Schedules listed is obtainable from the Navy Purchasing Office, 100 Harrison St., San Francisco:

Bids Open Sept. 29
San Diego, one high pressure vapor spray cleaning machine; sch. 6495.

Puget Sound, 2 motor-driven engine lathes, sch. 6500.

Western yards, pumps, fresh water and secondary drainage motor-driven, and spare parts; sch. 6497.

Mare Island, galvanized sheet steel, sch. 6513.

San Diego, 1 concrete mixer, sch. 6507.

Mare Island, 70,000 lbs. bar rivet steel, sch. 6504.

SACRAMENTO, Cal.—Until September 24, 3 P. M., under Order No. 3743-Soc.111-CLR., bids will be received by District Engineer, California

Fla Fruit Bldg., Sacramento, for the following:

- (1) 6000 ft. triple tape, waterproof, blasting fuse;
- (2) 2000 electric exploders No. 8, with 6 ft. lead wires;
- (3) 4000 electric exploders No. 8, with 6 ft. lead wires;
- (4) 5000 blasting caps No. 8, for use with fuse.

PANAMA CANAL ZONE—W. F. Callahan Construction Co., 1220 Arcade Bldg., St. Louis, and Peterson, Shirley & Gunther, Omaha, Nebraska, at \$4,047,407 awarded contract by Panama Canal Commission to construct Madden Dam, power plant and appurtenant works near the village of Alhajuela on the upper Chagres river in the Panama Canal Zone. Partial listing of the quantities involved in this project will be found under "Reservoirs and Dams," this issue.

SAN FRANCISCO—G. H. Armstrong 2890 Howard St., at \$849 submitted low bid to Constructing Quartermaster, Ft. Mason, for replacement of electric light poles fronting the N. C. O. Quarters at the Presidio. Following is a complete list of bids:

G. H. Armstrong	\$ 849
Severin Electric Co.	870
United Improvement Pnt. Co.	925
Globe Electric Co.	950
Butte Electric Equip. Co.	1,354
Weidental-Gosliner	1,465
Brayer Electric Co.	1,500
Apex Electric Co.	1,645

Bids under advisement.

Low Bidder.

ELECTRIC WORK, ETC. Cost, \$—
TUCSON, Arizona.

Extensions and additions to Nurses' call system and to radio and lighting circuits at Veterans' Hospital.

Owner—United States Government.

Plans by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto.

Low Bidder—Broome Electric Corp., Amarillo, Texas.

The work will consist of furnishing all labor and materials necessary for the installation of extensions to the nurses' call system and to radio and lighting circuits, including all cutting and patching required.

Following is complete list of bids:

Broome Elec. Co., Amarillo, Tex., \$2050

Consolidated Elec. Co., Beverly Hills..... 3979

Russell Elec. & Machine Co., Tucson, Ariz..... 4983

Bids referred to Washington for award.

Contract Awarded.

OFFICE BLDG. Cont. Price, \$7700
SUNNYVALE, Santa Clara Co., Cal.

One-story frame and stucco office building (in connection with Dir-igible Base, Spec. No. 6492).

Owner—United States Government.

Plans by Bureau of Yards and Docks, Navy Dept., Washington, D. C.

Contractor—San Francisco Constr. Co. 3159 Fillmore St., San Francisco.

SAN FRANCISCO—Until Sept. 22, 11 A. M., bids will be received by Constructing Quartermaster, Fort Mason, to furnish and install gas piping, conversion gas burner, range and hot water heater in the Lodge building at the National Cemetery. Plans obtainable from the Constructing Quartermaster at Fort Mason.

ALAMEDA, Alameda Co., Cal.—Wilkinson Co., Gilroy, at \$3,475 submitted low bid to Constructing Quartermaster, Benton Field Air Depot, to drill and test 12-in. water well. See item under "Pipe Lines, Wells, Etc.," in this issue.

SACRAMENTO, Cal.—Until September 25, 3 P. M., bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, for towing U. S. Govt. dredge "San Joaquin" from the plant of the General Engineering and Drydock Co. at the Foot of Fifth Ave., Oakland, to Rio Vista, Solano County. Tow to be commenced about Sept. 28.

STOCKTON, San Joaquin Co., Cal.—Until October 13, 3 P. M., under Circular Proposal No. 3275, Specifications No. 3609, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, for dredging approximately 1,239,000 cubic yards of material in the Stockton 26-ft. Channel Prism (Part 3) from the mouth of Burns Cut-off to the vicinity of El Dorado Pump on Roberts Island, a distance of approximately 1.9 miles in the San Joaquin River. Plans are obtainable from the above offices without charge.

Plans Being Prepared.
WAREHOUSE Cost, \$—
SAN FRANCISCO. Presidio.
Five-story reinforced concrete warehouse (112x150-ft.); five elevators; plumbing, electric wiring, etc.; replace warehouse B-2).

Owner—United States Government.
Plans by Constructing Quartermaster, Fort Mason.
Appropriations to finance this work will be made by Congress this year. The upper floors will be used for officers for the entire Quartermaster Corps.

Plans Being Prepared.
EXTEND DOCK Cost, \$200,000
SAN FRANCISCO. Fort Mason.
Extend Dock No. 3 (reinforced concrete cylinders; heavy construction).

Owner—United States Government.
Plans by Constructing Quartermaster, Fort Mason.

Appropriations to finance this work will be made by Congress this year.

Plans Being Figured—Bids Close Oct. 15, 1:30 P. M.
HANGARS, SHOPS Cost, \$500,000
WHEELER FIELD, Territory Hawaii.
Four air corps double hangars, 1 machine shop, 1 assembly shop, 1 warehouse (steel construction, hollow tile and concrete panels, concrete foundations, metal sash, steel rolling doors, electric wiring, plumbing and elaborate lighting system).

Owner—United States Government.
Plans by Constructing Quartermaster, Fort Shafter, T. H.

Bids are being received by Constructing Quartermaster at Fort Shafter. Plans may be seen by those interested at the Constructing Quartermaster's office, Fort Mason, San Francisco.

Plans Being Prepared.
WARDS Cost, \$200,000
SAN FRANCISCO. Letterman Hospital.

Two 2-story reinforced concrete ward buildings (19 and 31-C) the roof, terrazzo & linoleum floors, plumbing, heating and electric wiring, considerable marble and tile work.
Owner—United States Government.
Plans by Constructing Quartermaster, Fort Mason.

Appropriations to finance this work will be made by Congress this year.

Plans Being Figured—Bids Close Sept. 23, 11 A. M.
PAINTING Cost, \$—
SAN FRANCISCO. 100 Harrison St.
Painting walls, ceilings, woodwork, dado, etc., in all offices and corridors of fifth floor.

Owner—Twelfth Naval Dist., 100 Harrison Street.
Specification No. 6679 available from Commandant, 12th Naval District, 100 Harrison St., San Francisco, upon deposit of \$10, returnable. Check or postal money order for same payable to Chief of Bureau of Yards and Docks.

Bids Opened.
TILE FLOORS Cost, \$—
PALO ALTO. Santa Clara Co., Cal.
Tile floors, etc., in Kitchen Bldg. No. 204 at U. S. Veterans' Hospital.
Owner—United States Government.
Plans by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto.

Following is complete list of bids:
(a) add for quarry tile floors in mess hall and kitchen.

(b) add for Hi-Fire tile wainscoting in mess hall and kitchen.
Art Tile & Mantel, 221 Oak St., San Francisco
.....\$11,235
(a)6,350
(b)2,825

Meda Art Tile Co., San Francisco
.....\$11,793
(a)5,480
(b)3,490

Malott & Peterson, San Francisco
.....\$12,700
(a)6,150
(b)3,180

Bids referred to Washington for award.

AMERICAN LAKE, Washington.—Until October 20, 2:30 P. M., bids will be received by U. S. Veterans' Administration, Room 764, Arlington Bldg., Washington, D. C., for constructing alterations and additions to mess and kitchen buildings No. 3, and Occupational Therapy Building No. 18 and constructing continued Treatment Building and exercise hall. Reinforced concrete construction, hollow tile and brick. Work includes roads, walks, grading, drainage, steam and electrical distribution systems. Plans and specifications obtainable from Construction Service, Arlington Bldg., Washington, D. C., and Supervising Superintendent of Construction, U. S. Veteran's Hospital, Palo Alto, Calif. Certified check of 25% required with bid.

SAN FRANCISCO—Until September 30, 11 A. M., bids will be received by District Public Works Officer, Twelfth Naval District, 100 Harrison St., for the installation of an illuminated air way marker on Reservoir, Structure No. 162, Yerba Buena Island, San Francisco Bay. Specification No. 6667 may be obtained on application to the District Public Works Officer. Deposit, \$5, returnable, payable to the Chief of the Bureau of Yards and Docks.

Plans Completed.
FEDERAL BLDG. Cost, \$620,000
LONG BEACH, Los Angeles Co., Cal.
3rd and American Sts.

Two-story class A Federal bldg. with 7-story tower.
Owner—United States Government.
Plans by Supervising Architect, Washington, D. C.
Specifications are being written and will be completed in about four weeks.

COLFAX, Wash.—In addition to those previously reported, following are prospective bidders to erect post-office at Colfax, bids for which will be opened by the Supervising Architect, Treasury Department, Washington, D. C., September 24:
Olympia National Co., Olympia National Bank Bldg., Olympia, Wash.
Kellogg & Anderson, Sedalia, Mo.
Ernest Gwin, Central Bldg., Seattle, Washington.

W. T. Butler, Inc., Central Building, Seattle, Washington.
F. E. Martin, Spokane, Washington.

Final Plans Approved.
POST OFFICE Cost, \$450,000
RENO, Washoe Co., Nevada. No. 21 Mill Street.
Three-story Class A post office.
Owner—United States Government.
Architect—F. J. DeLongchamps, Gazette Bldg., Reno.
Bids will be called for in January, 1932.

HALLS AND SOCIETY BUILDINGS

Truss Contract Awarded.
MEMORIAL BLDG. Cost, \$60,000
GRASS VALLEY, Nevada Co., Cal.
South Auburn Street.
One- and two-story reinforced concrete Veterans' Memorial Building.
Owner—Hague-Thomas-Hegarty Post, Ltd., American Legion (Loyle C. Freeman, Secretary).
Architect—Wm. E. Coffman, Forum Bldg., Sacramento.
Contractor—Burton & Reed, Grass Valley.
Trusses—Summerhell Truss Co., 354 Hobart St., Oakland.
Other awards reported Sept. 1, 1931.

Sub-Bids Wanted.
ADDITON Cost, \$30,000
BERKELEY, Alameda Co., Cal. 2001 Allston Way.

Two-story and basement frame and brick addition for gymnasium.
Owner—Y. M. C. A., 2001 Allston Way, Berkeley.
Architect—W. H. Ratcliff, Chamber of Commerce Bldg., Berkeley.

R. C. McBride, Jr., 2225 Le Conte Ave., Berkeley and 1127 Broadway, Oakland, general contractor, desires sub-bids on all portions of the work in connection with above, for which general bids are to be opened Sept. 18, 5 P. M. All sub-bids must be in writing.

TULARE, Tulare Co., Calif.—Lodge hall of the Benevolent and Protective Order of Elks suffered a \$50,000 fire loss September 14. The loss was confined mainly to the upper floor.

HOSPITALS

Bids Opened.
WARD BLDGS. Cost, \$—
MURPHY, Calaveras Co., Cal. Bret Harte Sanitarium.
Two one-story frame and stucco ward buildings (each to accommodate 20; asbestos shingle roof, electric heating system).

Owner—Bret Harte Sanitarium, Murphy.
Architect—Jos. Losekann, 1218 West Harding St., Stockton.
Low Bids—George Roek, 1724 West Cornell St., Stockton.

Following is a complete list of bids:
George Roek, Stockton.....\$17,354
J. R. Leighton, Stockton.....17,970
T. W. Williamson, Stockton.....18,292
Ecker & Stegmuller, Stockton.....18,619
I. E. Tothacher, Stockton.....18,894
H. W. Johnson, Stockton.....18,950
H. W. Vickroy, Stockton.....19,865
Wellman Bldg. Sr., Stockton.....20,000
L. Uebel, Ripon.....21,125
P. J. Morton, Placerville.....22,055
S. Eyre, Tracy.....22,435

Bids under advisement.
MADERA COUNTY, Cal.—Until October 6, 11 A. M., bids will be received by L. W. Cooper, county clerk, for piping the Madera County Hospital for natural gas service and installing equipment, burners, vents, etc. Plans obtainable from clerk.

Roofing and Hardware Contracts Awarded.

HOME Cost approx., \$175,000
SAN FRANCISCO. University and Cambridge Streets.
 Two- and three-story reinforced concrete and brick home for aged.
 Architect—Alfred Coffey and Martin J. Rist, Phelan Bldg.
 Contractor—J. E. Scully, Phelan Bldg.
Roofing—Fibrestone & Roofing Co., 51 Ringold St.
Hardware—Palace Hardware Co., 581 Market St.
 Other awards previously reported.

Contract Awarded.

PLASTERING Cost price, \$2515
PLACER CO., Cal.
 Exterior plastering of existing hospital building and new receiving cottage.
 Owner—Weimar Joint Sanatorium, W. O. Russell, Secretary, Weimar.
 Architect—Harry J. Devine, 1400 California State Life Bldg., Sacramento.
 Contractor—Thomas Scollan, 2919 T St., Sacramento.

Bids Opened

HEALTH CENTER Cost, \$—
SAN FRANCISCO. Polk and Grove Streets.
 General construction for 4-story and basement reinforced concrete class A health center, emergency hospital and office building.
 Owner—City and County of San Francisco, S. J. Hester, Secty., Board of Public Works.
 Architect—S. Heiman, 57 Post Street.
 Structural Engineers—Ellison & Russell, Pacific Bldg.
 H. L. Peterson, 731 Treat Ave., \$248,979
 Anderson & Ringrose, \$253,569
 Barrett & Hulp, \$253,927
 Lindgren & Swinerton, \$253,985
 McDonald & Kahn, \$255,219
 Clinton-Stephenson Construction Co., \$256,000
 K. E. Parker Co., \$259,900
 Mission Construction Co., \$263,990
 Monson Bros., \$264,700
 Larsen & Larsen, \$265,000
 P. F. Reilly, \$266,381

Preparing Preliminary Sketches.

MEDICAL BLDG. \$500,000 appropriated
SAN FRANCISCO. Second Ave. and Parnassus.
 Six-story medical building (probably reinforced concrete construction).
 Owner—University of California.
 Architect—Wm. C. Hays, Crocker 1st National Bank Bldg., San Francisco.
 More information will be given at a later date.

Bids Opened

PREVENTORIUM Cost, \$—
REDWOOD CITY, San Mateo Co., Cal.
 Three frame and stucco preventorium buildings with tile roofs.
 Owner—City and County of San Francisco, S. J. Hester, Secty., Board of Public Works.
 Architect—Henry H. Meyers, Kohl Bldg., San Francisco.
 I. Epp & Sons, 4745 Geary St., \$74,960
 R. C. Stickie, South San Francisco, \$80,375
 Empire Construction Co., \$85,400
 C. F. W. Jensen, \$2,700
 N. H. Sjoberg, \$2,884
 A. Nelson, \$3,000
 W. Spivock, \$35,458
 H. H. Larson, \$86,493
 F. C. Amoroso & Sons, \$86,900
 Clinton-Stephenson Construction Co., \$90,452
 Relly & Grace, \$91,960
 Anderson & Ringrose, \$94,800
 F. L. Hansen, \$105,500

Bids Opened.

KITCHEN EQUIPMENT
SAN JOSE, Santa Clara Co., Cal.

Furnish and install complete kitchen equipment for Santa Clara County Hospital.

Owner—County of Santa Clara, Henry A. Piester, County Clerk, San Jose.
 Architect—Not Given.
 Dohrmann Hotel Supply Co., 972 Mission St., S. P., \$30,595
 Mangrum-Holbrook Co., S. F., \$30,875
 Bids held under advisement.

Contracts Awarded.

HOSPITAL Cost, \$—
AUBURN, Placer Co., Cal.
 Class A reinforced concrete and steel fireproof hospital (48 beds) 213 ft. by 140 ft.
 Owner—County of Placer.
 Architect—W. E. Coffman, Forum Bldg., Sacramento.
 General Work—Charles McCloud, Auburn, \$27,888.
 Plastering—Hammond & Percell, Auburn and Roseville, \$8,375.
 Roofing—Auburn Lbr., Co., Auburn, \$1,050.
 Tile and Marble—H. O. Adams, 2610 I St., Sacramento, \$1,685.
 Glass and Glazing—W. P. Fuller Co., 1013 12th St., Sacramento, \$390.
 Painting—Peterson Bros., 573 Santa Rosa Ave., Berkeley, \$1,950.
 Sheet Metal—Allison Sheet Metal Wks Auburn, \$2,220.
 Heating—Auburn Lumber Co., Auburn \$5,183.
 Electric Work—Cox Electric Co., Red Bluff, \$4,790.
 Linoleum—McLean Co., Sutter and Hazelton, Stockton, \$2,135.

To Ask Bids Shortly

FURNITURE Cost, \$—
STOCKTON, San Joaquin County, Cal.
 Furnishings for new unit at county general hospital.
 Owner—County of San Joaquin, Eugene Graham, county clerk, Stockton.
 Specifications by County Purchasing Agent Tretheway, Stockton, Cal.
 Further mention will be made when a date for opening bids on this equipment is determined by the county supervisors.

COLUSA, Colusa Co., Calif.—Until Sept. 22, 2 P. M., bids will be received by Board of Supervisors for complete X-ray equipment for the county hospital. Certified check 10% required, made payable to Board of Supervisors.

Contract Awarded—Sub-Bids Wanted

HOSPITAL Cost, \$85,000
SALINAS, Monterey Co., Cal.
 One-story reinforced concrete hospital (30-bed capacity; steam heating system, tile roof, telephone call system, radios, concrete floors).
 Owner—Dr. H. C. Murphy, A and Lincoln Sts., Salinas.
 Architect—Kent & Hass, 525 Market St., San Francisco.
 Contractor—H. H. Larsen Co., 64 South Park, San Francisco.
 Sub-bids are wanted on all portions of the work.

HOTELS

Plans Being Prepared.

MOTOR INNS Cost, \$200,000 each
CALIFORNIA—Santa Barbara, Los Angeles, San Luis Obispo, Sacramento, etc.
 Group of one and two-story detached buildings (accommodate 100); hollow tile or cement block walls, tile roof, plastered exteriors, modern plumbing, heating and electrical equipment.
 Owner—National Motor Inns, Marvin Curtis, President, 625 Rialto Bldg., San Francisco.
 Architect—George B. McDougall, 353 Sacramento St., San Francisco.
 Contractor—George Leiter, Call Bldg., San Francisco.

Heating, Plumbing and Electrical—

H. C. Reid & Co., 389 Clementina St., San Francisco.
 First unit will be constructed at Montecito, Santa Barbara, and will have dining facilities, lobby and lounge and business office, swimming pool and considerable landscaping, contemplated in the initial program. Six major and ten smaller units are

Plans Being Figured—Bids Close Sept. 25th.

ROOMING HOUSE Cost, \$—
STOCKTON, San Joaquin Co., Cal.
 Three-story reinforced concrete rooming house and store (22 rooms, 4 baths, 1 store; Pabco-10 year roof, pine floors, magnesite floors in baths).
 Owner—Chinese client.
 Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.

ICE AND COLD STORAGE PLANTS

Planned.

ICE PLANT Cost, \$45,000
EXETER, Tulare Co., Cal.
 Modern ice plant (capacity of 45 tons per day).
 Owner—Tulare Ice Co., North M and Pine Sts., Tulare.
 Architect—Not Selected.

POWER PLANTS

REDDING, Shasta Co., Calif.—Neimeyer-Martin Lumber Co., Portland, Ore., awarded contract by city council to furnish and deliver cedar power poles, as follows:
 30 9-in. top, 45-ft., \$13.46.
 30 9-in. top, 40-ft., \$11.12.
 All to be Western Red Cedar complying with Western Red Cedar Specifications, but crosstied one-half inch guaranteed penetration.

SUSANVILLE, Lassen Co., Calif.—County supervisors set October 3 as the date to call an election seeking formation of a municipal utility district which will vote bonds to finance construction of an electric power distributing system.

FALL RIVER MILLS, Siskiyou Co., Cal.—Construction will be started at once by the Pacific Gas and Electric Co., on a power line extension into Big Valley. The line, extending from McArthur to Bieber, via Pitville, will be 22 miles in length, will require more than 400 poles, 40, 45 and 50 feet long, will carry 11,000 volts and will supply approximately 100 new customers with about 1000 horsepower, costing approximately \$55,000 to construct.

SAN FRANCISCO.—Westinghouse Electric & Manufacturing Co., 1 Montgomery St., at \$152.50, delivery 30 days submitted low bid to Leonard S. Leavy city purchasing agent, under Proposal No. 751, to furnish 10 electric welding motor generator sets and accessories for the School Department. Following is a complete list of the bids:
 Westinghouse Elec. and Mfg. Co., \$152.50; 30 days.

General Electric Co., \$280; 45-55 days.
 Air Reduction Sales Co., \$298; 3-4 weeks.
 Lincoln Electric Co., \$299.50; 1 to 30 days.
 Hobart Bros. Co., \$398.50; 14 days.
 Welding Service, Inc., \$419; 1 to 30 days.
 H. B. Squires, \$477.50; 40 days.
 Victor Welding Equip. Co., \$556.20; 12 days.
 R. C. Waddman, \$575 (3 machines only), 1 to 15 days.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Contract Awarded.
LIBRARY Cost, price, \$10,185
NEW MONTEREY, Monterey Co., Cal.
 One-story frame and stucco library
 tile roof; Spanish type; 90x30-ft.;
 2500 ft. floor space).
Owner—City of New Monterey, Clyde
 A. Dorsey, city clerk.
Architect—Swartz and Ryland, Spazier
 Bldg., Monterey.
Contractor—Albert Staton, Pacific
 Grove.
 Following is a complete list of bids:
 Albert Staton, Pacific Grove.....\$10,185
 M. J. Murphy, Inc., Carmel.....10,792
 Harold C. Geyer, Monterey.....10,963
 Newman & Halsted, Pacific
 Grove.....11,444
 E. H. Raymond, Pacific Grove.....12,322
 W. J. Ochs, San Jose.....13,443

Contract Awarded.
REPAIRS Cost, \$4025
SAN ANDREAS, Calaveras Co., Cal.
 Construct new restroom and repair
 portion of county jail in court-
 house.
Owner—County of Calaveras, John
 Squellati, County Clerk, San An-
 dreas.
Architect—Not Given.
Contractor—James P. Morton, Placer-
 ville.

Complete bid listing follows:
 James P. Morton, Placerville.....\$4025
 George Reek, Stockton.....4330
 L. E. Hertzig, San Andreas.....4390
 McCarty & Harrington, Stockton 5400

MARYSVILLE, Yuba Co., Cal.—Due
 to protests the city council has post-
 poned indefinitely the proposal to call
 an election to vote bonds to finance
 erection of a new city hall.

SANTA CLARA, Santa Clara Co.,
 Calif.—University of Santa Clara will
 expend \$10,000 in the purchase and im-
 provement of equipment in the engi-
 neering and pre-medical departments,
 it is announced by Geo. L. Sullivan,
 Dean of Civil Engineering of the Uni-
 versity.

SANTA CRUZ, Santa Cruz Co., Cal.
 —City council proposes to work out
 means of financing purchase of one
 block of land bounded by Pacific Ave.,
 Laurel, Front and Spruce Streets, on
 which it is proposed to erect a new
 municipal auditorium.

Elevator Bids Wanted.
WAR MEMORIAL Cost, \$5,000,000
SAN FRANCISCO. Civic Center.
 Elevators for four-story and basement
 concrete Class A Legion Building
 and 6-story Class A Opera House,
 seating 4000; standing room, 500.
Owner—City and County of San Fran-
 cisco (S. F. War Memorial).
Architects—G. A. Lansburgh, 140
 Montgomery St. and Arthur Brown
 Jr., 251 Kearny St., S. F.
Mgrs. of Constr.—Lindgren & Swin-
 erton, Inc., 225 Bush St., S. F.
 Plans for this work are obtainable
 from the offices of the S. F. War Mem-
 orial, 451 Montgomery St.

Plans Being Figured—Bids Close
 Sept. 29, 7:30 P. M.
EXPOSITION BLDG. Cost, \$125,000
OAKLAND, Alameda Co., Cal. Tenth
 and Fallon Streets.
 One-story steel frame and reinforced
 concrete exposition building (369x
 150 feet).
Owner—City of Oakland, W. W. Chap-
 pell, City Clerk.
Architects and Engineers—Reed &
 Corlett, and E. W. Cannon, archi-
 tect, associated.
 Structure will be set on pile founda-
 tion and will have a light truss roof

Sub-Contracts Awarded.
CITY HALL Cost, \$15,000
LOS BANOS, Merced Co., Cal. J. St.
 between 5th and 6th Sts.
 Two-story brick and reinforced con-
 crete combination fire house and
 city hall.
Owner—City of Los Banos, V. G. Bry-
 ant, city clerk.
Plans by W. E. Bedesen (engineer),
 Shaffer Bldg., Merced.
Contractor—F. H. Riedle, Los Banos.
Steel Work—Kyle & Co., 346 G St.,
 Fresno.
Mill Work—Electric Planing Mill, Ha-
 zelton and Monroe, Stockton.
Brick and Tile—D. A. Moore, 3838
 Kerckhoff St., Fresno.
Roofing—Cross Lumber Co., Merced.
Plumbing—R. Gardner, Los Banos.
Painting—C. G. Tiller, Los Banos.
Electric Work—D. Falasco, Los Banos.
Floor Tile—M. P. Maxwell, Selma.
Cement—Yosemite Cement Co., Mer-
 ced.
Lumber and Hardware—Riedle Supply
 Co., Los Banos.

Plans Completed.
LIBRARY ADDITION Cost, \$32,700
VALLEJO, Solano Co., Cal.
 City library addition (wood portion of
 present structure in the rear will
 be razed).
Owner—City of Vallejo Library Trus-
 tees.

Plans by A. Letgens, Vallejo.
 Construction will not be started un-
 til next year.

Plans Being Figured—Bids Close Oct.
 5, 11 A. M.
COURT HOUSE Cost, \$180,000
SAN JOSE, Santa Clara Co., Cal.
 Rebuilding county courthouse destroy-
 ed by fire (using present brick
 walls and foundations) and con-
 struct an additional story of steel
 frame and concrete construction
 (tile roof, steam heating system).
Owner—County of Santa Clara, Henry
 A. Pfister, county clerk.
Architect—Binder and Curtis, 35 West
 San Carlos St., San Jose.
Structural Engineer—Wm. D. Lotz,
 1040 Benton St., San Jose.

Plans obtainable from the architects
 on deposit of \$20, returnable. For the
 prevailing wage rate in connection
 with this project see the official call for
 bids published on page seven of this
 issue. J. D. Carlson, 1331 Sierra St.,
 and R. O. Summers, 17 N First St.,
 both of San Jose, are prospective bid-
 ders.

RESIDENCES

Contract Awarded—Sub-Bids Being
 Taken.
RESIDENCE Cost, \$40,000
HILLSBOROUGH, San Mateo Co., Cal.
 Brewer Tract.
 Two-story and basement frame and
 shingle residence (14 rooms, 7
 baths, steel sash, asbestos shingle
 roof, tile baths and kitchen, elec-
 tric refrigeration).
Owner—Withheld.
Architect—Ed. Musson Sharpe, 525
 Market St., San Francisco.
Contractor—Oscar L. Cavanaugh, 432
 Occidental Ave., San Mateo.

Bids In—Held Under Adjudication.
RESIDENCE Cost, \$—
DAVIS, Yolo Co., Cal.
 One-story and basement frame and
 stucco residence.
Owner—Mrs. Gough.
Architect—W. E. Coffman, Forum
 Bldg., Sacramento.

Plans Being Prepared.
RESIDENCE Cost, \$7000
PIEDMONT, Alameda Co., Cal.
 Two-story frame and stucco residence
 (6 rooms, shingle roof, gas heating

system, tile bath, hardwood floors,
 etc.)
Owner—Withheld.
Architect—Fred. H. Reimers, 233 Post
 St., San Francisco.
 Bids will be asked in about 10 days.

To Ask Bids In One Week.
RESIDENCE Cost, \$15,000
SAN MATEO, San Mateo Co., Cal.
 Baywood Park.
 Two-story and basement frame and
 stucco residence (10 rooms and 3
 baths; gas heating, electric refrig-
 eration, tile roof, tile baths and
 kitchen).

Owner—Dr. Paul J. Hanzlik, 819
 Prospect Ave., San Mateo.
Plans by Grimes & Schoening, Bal-
 ovich Bldg., San Mateo.

Bids Opened—Held Under Adjudication.
RESIDENCES Cost \$100,000
HOULDER CITY, Nevada.
 150 one-story frame temporary resi-
 dences (100 2-room and 50 3-room
 residences; composition shingle
 roof).
Owner—The Six Companies, 405 Mont-
 gomery St., San Francisco.
Architect—George de Colmesnil, Hun-
 ter-Dulin Bldg., San Francisco.
 Announcement will be made within
 a few days.

Sub-Bids Being Taken
RESIDENCE Cost, \$6,000
STOCKTON, San Joaquin Co., Cal.
 Vine St.

One-story and basement frame and
 brick veneer residence (6 rooms)
 tile and composition roof, gas
 heat, hardwood floors, tile bath
 and kitchen.

Owner—M. Cline.
Architect—Davis Pearce Co., Grant
 and Weber St., Stockton.
Mgr. of Construction—Davis Pearce
 Co., Grant and Weber St., Stock-
 ton.

Sub-Bids Being Taken.
RESIDENCE Cost, \$7000
SAN MATEO, San Mateo Co., Calif.
 Casa Mateo.

One-story and basement frame and
 stucco residence (6 rooms, 2 baths,
 shingle roof, gas heating system,
 hardwood floors, colored tile baths
 and kitchen; old English type).

Owner and Builder—Castle Bldg. Co.,
 830 Market St., San Francisco.
Architect—Not Given.

Contract Awarded
RESIDENCE Cost, \$7000
BERKELEY, Alameda Co., Cal. Eu-
 clid Ave. and Hawthorne Terrace.
 Two-story frame and stucco residence
 (6 rooms, shingle roof, gas heat,
 hardwood floors, tile bath, etc.)
Owner—Mr. Decker.
Architect—William C. Ambrose, 605
 Market St., San Francisco.
Contractor—J. Dawson, 1507 Lincoln
 St., Berkeley.

Sub-Bids Being Taken.
RESIDENCE Cost, \$5000
BERKELEY, Alameda Co., Cal. No.
 601 Spruce Street.
 One-story and basement frame and
 stucco residence (6 rooms); gas
 furnace, tile and composition roof,
 etc.
Owner and Builder—Joseph Villa, 1207
 Solano Ave., Berkeley.
Plans by Owner.

Plans Being Prepared.
RESIDENCE Cost, \$6500
OAKLAND, Alameda Co., Cal. Idora
 Park Tract.
 One-story and basement frame and
 stucco residence (6 rooms); Span-
 ish type; part tile and composition
 roof, gas heat, tile bath, hard-
 wood floors.

Owner and Builder—Arthur Moore, 7c Mr. Jensen.
Plans by H. Jensen, 354 Hobart St., Oakland.
Sub-bids will be taken within a few days.

Plans Being Prepared.
RESIDENCE Cost, \$8000
OAKLAND, Alameda Co., Cal. Sun-nyhills Road.
Two-story and basement frame and stucco residence (6 rooms, 2 baths; shingle roof, gas heat, tile baths and kitchen, hardwood floors).
Owner—E. Welis Jr.
Architect—Ray Keefer and E. L. Herberger, 770 Westley Ave., Oakland
Bids will be taken in ten days.

Plans Being Completed.
RESIDENCE Cost, \$4000
BERKELEY, Alameda Co., Cal. Loca-tion withheld.
One - story and basement frame and stucco residence (5 rooms; shingle roof, part tile bath and kitchen, hardwood floors).
Owner—Arthur Bowron, 1104 Keith St., Berkeley.
Architect—Ray Keefer and E. L. Herberger, 770 Westley Ave., Oakland.

Sub-Contracts Awarded.
RESIDENCE Cost, \$6500
LODI, San Joaquin Co., Cal.
Two - story frame, stucco and brick veneer residence (6 rooms) shingle roof, gas heating system, tile floor in bathroom, hardwood and pine finish; 2-car garage.
Owner—Dr. W. J. Coffield, Lodi.
Architect—Victor Galbraith, Elks Bldg., Stockton.
Contractor—Bender & Fry, Lodi.
Cement—Julius Perein, Lodi.
Plastering—John Brady, Lodi.
Mill Work—Henderson Bros.
Painting—M. McKee, Lodi.
Brick—J. Davidson, Stockton.
Electric Work—Sengstacken Electric Co., Lodi.

Sub-Contracts Awarded.
RESIDENCE Cost, \$10,000
SAN MATEO, San Mateo Co., Calif. NE Lot 5 Bk 19.
Two - story and basement frame and stucco residence.
Owner and Builder—Buschke & John-son, 235 3rd Ave., San Mateo.
Plans by Owner.
Masonry—Chas. Ohran & Sons, San Mateo.
Lumber—Loop Lumber Co., Central Basin, San Francisco.
Plumbing—Morrison & Blair, 45 Villa Terrace, San Mateo.
Electric Wiring—Chas. Morrison, 222 Catalpa, San Mateo.
Mill Work—Anderson Bros., Quint and Custer Sts., San Francisco.
Cut Stone—Union Flagstone Co., 1635 El Camino Real, San Mateo.
Ornamental Iron—San Mateo Forge, 500 3rd St., San Mateo.
Roofing—C. Frost, 2286 El Camino Real Palo Alto.
Sheet Metal Work—Pacific Heating Co., 1841 S El Camino Real, San Mateo
Painting—George Ames, 408 Howard Ave., Burlingame.
Plastering—Foster Merrill, 268 Peoria, Daly City.
Tile—Benetti Tile Co., 916 N Hum-bolt, San Mateo.
Steel Sash—Michel & Pfeffer, Harri-son and 10th Sts., San Francisco.
Concrete—G. Bragatto & Co., 363 N El Dorado, San Mateo.

Date Of Opening Bids. Postponed
Until October 1.
RESIDENCE Cost, \$13,000
OAKLAND, Alameda Co., Cal. Contra Costa Road.
Two-story and basement frame and stucco residence (9 rooms, 2 baths,

steam heating system, gas burner, electric refrigeration, colored tile baths and kitchen, hardwood floors and trim).
owner—P. O. Solon, 1924 Broadway, Oakland.
Architect—Douglas Stone, Gt West-ern Power Bldg., Oakland.
Following contractors have secured plans:
Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.
John Moore & Co., 354 Hobart St., Oakland.
Jacobs & Pattiani, 337 17th St., Oak-land.

Plans Being Figured—Bids Close Sept. 26, 2 P. M.
SAN JOSE, Santa Clara Co., Cal.
One - story and basement frame and stucco residence (8 rooms, 3 baths, hot air heating system, colored tile baths).
Owner—P. Muetze, 82 Clayton St., San Jose.
Architect—W. E. Higgins, Realty Bldg., San Jose.

Preparing Preliminary Plans.
RESIDENCE Cost, \$—
HILLSBOROUGH, San Mateo Co., Cal. 14-acre tract.
Two - story and basement brick frame and stucco residence (English type).
Owner—Withheld.
Architect—Willis Polk Co., 277 Pine St., San Francisco.
CARMEL, Monterey Co., Cal.—Sam-uel G. Blythe, noted writer of Pebble Beach, will have plans prepared for a new country home to be erected at El Cereza in the Buena Vista District on the site of Blythe's residence which was destroyed by fire several weeks ago.

To Be Done By Day's Work.
RESIDENCE Cost, \$15,000
FRESNO, Fresno Co., Cal. 477 Ter-race Avenue.
Two - story and basement frame and stucco residence.
Owner and Builder—Taylor - Wheel-er Co., Inc., Power Co. Bldg., Fresno.
Plans by Owner.

Contract Awarded.
RESIDENCE Cost, \$7500
BERKELEY, Alameda Co., Cal. 415 Michigan Ave.
Two - story and basement frame and stucco residence (6 rooms).
Owner—W. A. Higgins, Alvarado Rd., Berkeley.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.
Contractor—S. M. Shapero, 1849 Arch St., Berkeley.

Contract Awarded.
RESIDENCE Cost, \$7000
COLMA, San Mateo Co., Cal. Valley Ave. and 101 Highway.
One - story and basement frame and stucco residence (6 rooms; tile and composition roof, gas heating sys-tem, tile bath and kitchen).
Owner—M. Giachino.
Plans by B. K. Dobkowski, 425 Mont-gray Blvd.
Contractor—Patrick Morgan, 915 Pierce St., San Francisco.

Sub-Bids Being Taken.
RESIDENCES Cost each, \$5500
SAN FRANCISCO. Pinelake Park.
Two 1-story and basement frame and stucco residences (5 rooms; tile and composition roof, gas heating, electric refrigeration provided for)
Owner and Builder—Henry W. Peter-son, 912 Geneva Ave., San Fran-cisco.
Architect—Not Given.

Completing Plans.
RESIDENCE Cost, \$15,000
SAN MATEO, San Mateo Co., Cal. Baywood Park.
Two-story and basement frame and stucco residence (10 rooms and 3 baths; gas heating, electric refrig-eration, tile roof, tile baths and kitchen).

Owner—Dr. Paul J. Hanzlik, 819 Prospect Ave., San Mateo.
Plans by Grimes & Schoening, Bal-ovich Bldg., San Mateo.

Contract Awarded.
RESIDENCE Cont. price, \$5823
COLMA, San Mateo Co., Cal.
One - story and basement frame and stucco residence (6 rooms, 2 baths; gas and hot air heating system, electric refrigeration, colored tile baths and kitchen, hardwood floors etc.)
Owner—Withheld.
Architect—Charles F. Strothoff, 2274 15th St., San Francisco.
Contractor—J. Bettencourt, San Bruno

Sub-Contracts Awarded.
RESIDENCES Cost each, \$5000
SAN FRANCISCO. Vicente, Escolta Way, 31st and 33rd Avenues.
Twelve 1-story and basement frame and stucco residences (5 rooms & breakfast room, part tile and composition roof, gas heating system, colored tile baths and kitchens).
Owner and Builder—Stoneson Brothers & Thorlison, 279 Buena Vista Ave. Plans by Owner.
Lumber—Sudden Lumber Co., Evans and Quint Sts.
Mill Work—Acme Planing Mill, 1855 San Bruno Ave.
Heating and Sheet Metal—Atlas Heat-ing Co., 557 4th St.
Plumbing—Charles Harper, 32 Caselli Avenue.
Other awards will be made shortly.

Owner Taking Bids.
RESIDENCES Cost, \$55,000
SAN MATEO, San Mateo Co., Cal. Baywood Park.
Group of nine one-story and base-ment frame and stucco residences (Spanish type; separate garages, tile roof, electric refrigeration, gas heat, tile baths and kitchens, hard-wood floors, etc.)
Owner and Builder—Oswald & Rucker, 105 Montgomery St., San Francisco
Plans by Grimes & Schoening, Bal-ovich Bldg., San Mateo.

SCHOOLS

Contract Awarded.
SCHOOL Cost, \$—
SACRAMENTO, Sacramento Co., Cal. Thirty-fourth and W Streets.
Sprinkler system for one-story brick and steel manual training quarters for high school.
Owner—City of Sacramento School District, Charles Hughes, Superin-tendent, Board of Education.
Contractor—Automatic Sprinkler Corp. of America, 519 California Street, San Francisco.
Following is a complete list of bids:
Automatic Sprinkler Corp. of America, San Francisco.....\$5,031
Albertson - McCormick Sprinkler Co., San Francisco.....5,175
Carpenter & Mendenhall, Sacto.....5,500
Grinnell Co. of the Pacific, S. F. 5,500

LOS ANGELES, Calif. — Bannister-Field Co., 4101 Goodwin Ave., awarded general contract at \$583,295 by Re-gents of the University of California for the construction of the men's gym-nasium and the women's physical edu-cation building on the campus of the University of California at Los An-geles. Awards on other parts of the work are as follows: Thos. Havery

Co. 8th St. and Maple Ave., heating and ventilating at \$104,985; Thos. Haverly Co., plumbing at \$97,300; Thos. Haverly Co., boiler plant at \$224,075; Pacific Engineering & Const. Co., 1545 W. Jefferson St., ground lighting at \$179,155; Moore Electric Co., 323 W. Third St., electric wiring at \$23,876; American Concrete & Steel Pipe Co., 4600 Preston Blvd., storm drain at \$10,542.40; Pacific Electric Construction Co., Los Angeles, ground lighting at \$1,798.15; Allison & Allison, 1005 California Reserve Bldg., Los Angeles, and Geo. W. Kelham, 315 Montgomery St., San Francisco, are the architects for the buildings. They will be steel frame and masonry structures, containing swimming pools, basket ball courts, etc.

Plans Being Figured—Bids Close Oct. 2, 2 P. M.

SCHOOL \$7,500 available
WEST POINT, Calaveras Co., Cal.
New school.
Owner—West Point Union School District, Mrs. Winnie Bardsley, clerk, West Point.

Architect—Not Given.

Certified check 10% required with bid. Plans obtainable from the clerk. Wages to be paid on this project follow: \$5 per day for chief carpenters, painters, plasterers, plumbers, glaziers and tile setters; \$4 per day for each and all other crafts and/or type of workmen, and/or mechanics, needed to execute the contract above mentioned and work thereunder to be done.

Preparing Working Drawings.
SCIENCE BLDG. Cost, \$130,000
SAN FRANCISCO. State Teachers' College (124 Buchanan St.)

Three - story reinforced concrete class B science and chemistry building (classrooms, lecture auditorium to seat 200, chemistry laboratories & supply rooms; tile roof, wood floors, linoleum, covered, steam heat).

Owner—State of California.
Architect—S. Heiman, 605 Market St.
Plans will be completed in about 90 days.

Plans Being Figured—Bids Close Sept. 21, 7:30 P. M.

RADIATION Cost, \$—
RENO, Nevada.
Additional radiation for the B. D. Billingshurst junior high school.

Owner—Reno School District No. 10, Theo. W. Clark, clerk.
Architect—Geo. Ferris, Cladianos Bldg., Reno.

Plans and specifications obtainable from George Townshend, member of board, 24 W. Douglas Ave. Bids will be opened at the Senior High School.

Bids Opened.
SCHOOL Cost, \$18,000
LATON, Fresno Co., Cal.
One - story frame and stucco high school unit.

Owner—Laton Joint Union High School District.

Architect—W. D. Coates, Jr., Rowell Bldg., Fresno.
(a) add for Classroom No. 5 (b) deduct for composition roof (c) job complete.

(a) R. Shannon, Fresno, \$15,214 (a) \$2,519 (b) \$1,155; (c) \$15,373.
(a) J. F. Brown, Hanford, \$15,329 (a) \$2,938 (b) \$1,100; (c) \$16,418.
(a) Roy Martin, Fresno, \$15,140 (a) \$2,780 (b) \$1,200; (c) \$16,495.
(a) Hudson & Vickers, Hanford, \$16,646 (a) \$2,605 (b) \$1,235; (c) \$17,881.
(a) Miller & Dean, Madera, \$15,380 (a) \$2,928 (b) \$1,100; (c) \$16,833.
(a) Irwin Hopkins, Fresno, \$15,573 (a) \$2,622 (b) \$1,197; (c) \$17,073.
(a) C. Neal, Lemoore, \$15,448 (a) \$2,758 (b) \$850; (c) \$17,171.

E. J. Heffner, Fresno, \$15,916 (a) \$2,772 (b) \$1,117; (c) \$17,301.
(a) R. Pedersen, Fresno, \$15,960 (a) \$2,720 (b) \$1,137; (c) \$17,320.
(a) R. E. Lewis, Corcoran, \$16,750 (a) \$2,200 (b) \$1,197; (c) \$17,528.
(a) W. T. Harris, Fresno, \$16,270 (a) \$2,748 (b) \$1,200; (c) \$17,593.
(a) L. C. Nelson, Kingsburgh, \$16,295 (a) \$3,000 (b) \$1,200; (c) \$17,870.

(a) Fisher & McNulty, Fresno, \$16,349 (a) \$2,961 (b) \$1,197; (c) \$17,898.

Contract B—Plumbing and Heating
Newman & Hudson, Fresno, \$1,726 (a) \$90.
Barrett-Hicks Co., Fresno, \$1,747 (a) \$79.

Plans Completed.
GYMNASIUM Cost, \$25,000
EMERYVILLE, Alameda Co., Cal.
Reinforced concrete and tile gymnasium.
Owner—Emeryville High School District.
Plans by S. Arnold, Park Ave. and Hollis St., Emeryville.
When bids will be called for is not determined at this time.

Contract Awarded.
ADDITION Cost, \$4481
WILLOWS, Glenn Co., Cal.
Music and sunroom addition to high school gymnasium.
Owner—Willows High School District.
Plans by Arthur Rempter, Artois.
Contractor—A. F. Rempter, Willows.
Complete list of bids follows:
A. F. Rempter.....\$3,988
Heating.....493
W. V. Crone, Willows.....4,075
Heating.....600
O. L. Hilliker, Willows.....4,239
Heating.....575

Low Bidders.
SCHOOL Cost, \$—
LAS VEGAS, Nevada.
Two-room frame and stucco school.
Owner—Las Vegas Union High School District.
Architect—Watson Vernon, 2180 Sherwood, San Marino.
Contractor—R. A. Spooner, Las Vegas, \$4062.
Plumbing—Taylor Bros., \$615.
Electric Work—Jas. S. Spencer, \$75.

Sub-Contracts Awarded.
SCHOOL & HOME Cost, \$200,000
SAN FRANCISCO. Silver Avenue.
Four - story reinforced concrete girls' school and home (electric refrigeration, oil burning heating system).

Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St.
Architect—H. A. Minton, 655 Market Street.
Contractor—J. A. Bryant, Ltd., Call Building.

Excavation—Sibley Grading & Teaming Co., 165 Landers St.

Concrete Materials—Readymix Concrete Co., Ltd., Carolina and Marina Streets.

Plastering—W. G. and A. Gilmour, 666 Mission St.

Glass and Glazing—East Bay Glass Co., 621 6th St., Oakland.

Miscellaneous and Ornamental Iron—Folsom Street Iron Works, 11th and Missouri Sts.

Sheet Metal—Western Furnace and Concrete Co., Lansing and Essex.

Mill Work—Lanham Bros. Mfg. Co., 5th and Magnolia Sts., Oakland.

Painting and Decorating—Lee Dixon, 18 Eureka St.

Tile Roofing—Malott & Peterson, 3221 20th Street.

Steel Forms—Concrete Engineering Co., 1280 Indiana St.

Hollow Metal Partitions—Forderer Concrete Works, 268 Potrero Ave.

Metal Sash—Michel & Pfeffer, Iron Works, Harrison and 10th Sts.

Weistell Partitions—Dwan & Co., 534 Sixth St.

Maple Floor—Regal Floor Co., 620 4th Street.
Masonry—White & Gloor, Monadnock Building.
Reinforcing Bars, Wire and Mesh—W. C. Hauck & Co., 280 San Bruno Avenue.

Lumber—Chas. Nelson Lumber Co., 230 California St.

As previously reported heating contract awarded to A. A. Polla, 401 14th Ave.; plumbing to Scott Co., 243 Minna St.; electrical work to Chas. A. Langlais Co., 472 Tehama St.

To Ask Bids In Thirty Days.
GYMNASIUM Cost, \$1,000,000
BERKELEY, Alameda Co., Cal.
Compus of University of Calif.
Class A steel frame and concrete gymnasium.
Owner—University of California, Berkeley.
Architect—George Kelham, 315 Montgomery St., San Francisco.

Contract Awarded.
SIGNAL SYSTEM Cost, \$—
COALINGA, Fresno Co., Cal.
Install classroom signal system in the academic and manual training buildings and departments.
Owner—Coalinga Union High School District, E. J. McCollum, Secretary, 144 West Elm St., Coalinga.
Architect—Not Given.
Contractor—International Time Recording Co., 529 Market St., San Francisco.
Following is complete list of bids:
Standard Elec. Time Co., S. F.....\$1090
International Time Recording Co., San Francisco.....1116
David Electric Co., Coalinga.....\$1500
.....(a) 1500

Bids Opened.
OPERA CHAIRS Cost, \$—
SAN FRANCISCO.
Furnish and install opera chairs in Balboa High School (2025), Aptos Junior High School (1111) and Jas. Lick Junior High School (747); Proposal No. 753.
Owner—City and County of San Francisco, Leonard J. Leavy, city purchasing agent, 270 City Hall.

Architect—Not Given.
Following is a complete list of bids:
(1) Balboa School.
(2) Aptos Junior High School.
(3) James Lick Junior High School.
(a) Heywood Wakefield.
(b) Brandeish & Co.
(c) C. F. Weber.
(d) C. E. Corbly.
(a)(b)
(1)\$9,517.50\$10,327.50
(2)5,221.705,666.10
(3)3,510.903,809.70
(c)
(1)\$9,720.00\$12,048.75
(2)5,332.805,610.45
(3)3,855.604,424.65
Bids held under advisement.

NILES, Alameda Co., Cal.—Wm. H. Ford, 704 Market St., San Francisco, and Niles, before a special meeting of the Toyon Branch of the Children's Hospital of Southern Alameda County offered to contribute \$100,000 to assist in financing the construction of a junior college at Niles.

To Ask Bids In One Week.
ADDITIONS Cost, \$34,000
DEL MONTE, Monterey Co., Cal.
Additions to Seaside Grammar School (frame construction).
Owner—Del Monte Grammar School District.
Architect—Swartz and Ryland, Spaulier Bldg., Monterey.

Planned.
SCHOOL, HUNGALOWS. Cost, \$—
BERKELEY, Alameda Co., Cal. Regal
Road and Marine St. (Cragmont
School Site).

Two-school bungalows.
Owner—Berkeley City School District.
Architect—Not Selected.

Plans Being Figured—Bids Close Sept.
30, 1:30 P. M.
IMPROVEMENTS. Cost, \$—
MODESTO, Stanislaus Co., Cal.

Construct boys' shower room as an
addition to gymnasium and plas-
ter exterior of gymnasium and
training building in the Modesto
Junior College and install steam
heating system in the Agricultural
Building, Music Hall and office of
bus shed.

Owner—Modesto City School District,
E. D. Abbott, Secretary, Board of
Education, Modesto.

Architect—Davis-Pearce Co., Builders'
Bldg., Stockton.

Plans Being Figured—Bids Close Oct.
13, 8 P. M.

ELECTRIC CLOCKS. Cost, \$—
ST. HELENA, Napa Co., Cal.
Furnish and install electric program
clocks and fire alarm system for
grammar school.

Owner—St. Helena Union School Dis-
trict, A. J. Laurent, clerk.
Architect—Wolfe & Higgins, 19 North
2nd St., San Jose.

Certified check 10% payable to St.
Helena Union School District, required
with bid. Plans obtainable from sec-
retary or architects.

Plans Being Figured—Bids Close Sept.
28, 8 P. M.

ADDITION. Cost, \$11,042
ROSEVILLE, Placer Co., Cal.
Two-story brick addition to school.
Owner—Roseville School District.
Architect—Starks & Flanders, Forum
Bldg., Sacramento.

Certified check 10%, payable to
Warren Eich, secretary of the dis-
trict, required with bid. Deposit of
\$15, returnable, required for plans,
obtainable from the architect. For
"prevailing wage scales" to be paid
on this project see the official call for
bids published in another section of
this issue.

BAKERSFIELD, Kern Co., Cal.—
Kern County Union High School Dis-
trict and Junior College Board of
Trustees have authorized the pur-
chase of \$1,000 worth of additional
equipment for the Junior College. Of
this amount, \$600 will finance the
purchase of laboratory apparatus for
the biology and zoology classes, while
the balance will be for equipment for
the engineering department.

WOODLAND, Yolo Co., Cal.—Board
of Education will have plans prepared
for grading the grounds at the Bea-
mar School. The proposal to install a
lighting system for football practice
on the school grounds has been re-
jected by the board.

Plans Being Figured — Bids Close
Sept. 29.

MUSIC BLDG. Cost, \$30,000
TAFT, KERN CO., Cal.
One-story reinforced concrete music
building (composition roof).

Owner—Taft Union High School Dist.

Architect—W. H. Weeks, 525 Market
St., San Francisco.

Bids Rejected.
ADDITION TO GYM. Cost, \$6,000
COLLEGE CITY, Colusa Co., Cal.
One-story frame and stucco addition
to gymnasium (steam boiler plant,
concrete floors, steel sash, com-
position roof).

Owner—Pierce Joint Union High
School District.

Architect—Otto Delehmann, 110 Sutter
St., San Francisco.
Bids ran high. New bids will be
advertised immediately.

Plans Being Figured—Bids Close Octo-
ber 13, 2 P. M.

SCHOOL & HALL. Cost, \$242,000
BERKELEY, Alameda Co., Cal.
Two-story reinforced concrete pri-
mary school and one-story rein-
forced concrete academic dining
hall (20 classrooms).

Owner—State of California.
Architect—Charles Roeth, 1404 Frank-
lin St., Oakland.

The primary school building is two
stories with reinforced concrete foun-
dations, walls, floors, metal stud par-
titions, steel and concrete roof frame
and clay tile roof. The academic din-
ing hall is one-story with reinforced
concrete foundations, walls, floor, con-
crete roof framing and clay tile roof.

Separate bids will be entertained for
the following segregate parts of the
work:

1. General work, embracing all
branches of the construction other
than electric, plumbing, heating and
ventilating work.

2. Heating and ventilating work.

3. Plumbing work.

4. Electrical work.

5. Combined plumbing, heating and
ventilating work.

Alternate bids affecting the heating
and ventilating work and electrical
work will be required for certain sub-
stitutions in materials as outlined in
the specifications and designated as
Alternate No. 1 and No. 2 for heating
and ventilating work and Alternate
No. 1 for electrical work.

Plans obtainable from the State De-
partment of Public Works, Division of
Architecture, Sacramento, on deposit
of \$25, returnable.

BANKS, STORES & OFFICES

Plans Being Prepared.
STORES & OFFICES. Cost, \$10,000
CALISTOGA, Napa Co., Cal.
Two-story (1) store, offices and one
apartment.

Owner—Withheld until plans are fur-
ther advanced.

Architect—Edward O. Blodgett, 4617
Benevides Ave., Oakland.

Exterior finish of brick; hardwood
floors; heating system, local gas
heaters; interior trim, stucco walls
and pine trim.

To Ask Bids In Two Weeks.
STORE. Cost, \$65,000
SAN MATEO, San Mateo Co., Calif.

Second Ave. and Main St.
1½-story reinforced concrete store;
(terra cotta exterior, composition
roofing; 8 stores and mezzanines).

Owner—Merkel Bros., 201 B St., San
Mateo.

Architect—Edwards & Schary, 550
Montgomery St., San Francisco.

Plans Being Prepared
UTILITY BLDG. Cost, \$85,000
LONG BEACH, Cal. NW Broadway
and Pacific.

Three-story and basement reinforced
concrete public utility building
(60x120), steam heating system,
steel sash, etc.

Owner—City of Long Beach.

Architects and Engineers—Dedrick &
Bobbe, Heartwell Bldg., Long
Beach.

Plans Being Prepared
ALTER STORE & LOFT. Cost, \$10,000
SAN JOSE, Santa Clara Co., Cal. San
Fernando Ave.

Alterations and additions to two-story
store and loft building.

Owner—Hale Bros.

Architect—Bender & Curtis, 35 W.
San Carlos, San Jose.

Lessee—Public Food Stores.

Plans Being Prepared — Contract
Awarded.

STAKE. Cost, \$15,000
OAKLAND, Alameda Co., Cal. Grand
and Lake Park Aves.
One-story brick store (5 stores; tar
and gravel roof).

Owner—Withheld.

Architect—Ray Keefer and E. L. Her-
berger, 770 Westley Ave., Oakland

Contractor—Irwin Reimers, 745 Walla
Vista Ave., Oakland.

Construction will be started within
a few days.

Planned.
REMODEL MARKET. Cost, \$—
LARKSPUR, Marin Co., Cal.

Alterations and additions to market.
Owner—R. H. Bonham, Larkspur.

Architect—Not Given.

Contract Awarded.
MARKET. Cost, \$25,000
BERKELEY, Alameda Co., Cal. Tele-
graph Ave. and Ward St.

One-story brick and tile drive-in mar-
ket (steel trusses, composition
roof).

Owner—J. E. Holstrom.

Architect—Treichel & Goodpastor, 1540
San Pablo Ave., Oakland.

Contractor—K. J. Henning, 2514 Pied-
mont Ave., Oakland.

Sub-Bids Wanted.
STORE. Cost, \$15,000
OAKLAND, Alameda Co., Cal. Grand
and Lake Park Avenues.

One-story brick store (five stores; tar
and gravel roof).

Owner—Withheld.

Architect—Ray Keefer and E. L. Her-
berger, 770 Westley Ave., Oakland.

Contractor—Irwin Reimers, 745 Walla
Vista Ave., Oakland.

Construction will be started within
a few days.

Contract Awarded.
RECONSTRUCTION. Cost, \$25,000
STOCKTON, San Joaquin Co., Cal.

Reconstruction of store building (fire
damage).

Owner—W. S. Kendall (Kendall-Tred-
way Co.), Elks Bldg., Stockton.

Architect—Not Given.

Contractor—J. F. Shephard, Stockton.

To Be Done By Day's Work.
MARKET. Cost, \$10,000
SAN FRANCISCO. N Chestnut West
Mallorca Way.

One-story class C concrete market.
Owner—R. J. Romey.

Plans by I. Goldstine, 401 30th St.

To Be Done By Day's Work.
OFFICES & STORES. Cost, \$8,000
SAN FRANCISCO. N Chestnut 200 W
Mallorca Way.

Two-story reinforced concrete offices
and stores.

Owner and Builder—C. F. Daniels,
2086 Chestnut St.

Plans by Owner.

Preparing Plans
MARKET & RESIDENCE. Cost, \$7,000
SAN JOSE, Santa Clara Co., Calif.

Auzerais St. near Bird Ave.
Two-story frame and stucco market
and residence (5 rooms residence;
terra cotta tile roof, etc.)

Owner—Rocca Albanese (Sodality Mar-
ket), 402 Bird Ave., San Jose.

Architect—W. E. Higgins, Realty
Bldg., San Jose.

Low Bidder.
SODA FOUNTAIN, ETC. Cost, \$—
OAKLAND, Alameda Co., Calif. 20th
and Broadway.

Install soda fountain, etc.

Owner—Margaret Burnham Co., prem-
ises.

Architect—Not Given.

Low Bidder—Bay City Cabinet Co.,
1076 5th St., Oakland.

Contract Awarded.
REMOCDEL BLDG. Cost, \$4000
STOCKTON, San Joaquin Co., Cal.
Market and Sutter Streets.
Remodel ground floor of three-story
frame and stucco building for drug
store (marble, steel work, fixtures,
etc.).

Owner—H. E. Tottle,
Architect—Jos. Losekann, 1218 W.
Harding St., Stockton.
Contractor—J. A. Allen, 22 S. Sutter
St., Stockton.

Plans Being Completed.
ADDITION Cost, \$81,000
SACRAMENTO, Sacramento Co., Cal.
Two-story and basement reinforced
concrete addition to State Printing
Office.

Owner—State of California.
Architect—Martin A. Sheldon, Monad-
nock Bldg., San Francisco.
Structural Engineer—W. L. Huber, 1
Montgomery St., San Francisco.
Heating Engineer—Leland & Healy, 38
Sutter St., San Francisco.

Bids will be asked in about two
weeks.

THEATRES

Contract Awarded.
REMOCDEL THEATRE Cost, \$20,000
LIVERMORE, Alameda Co., Cal. 1075
W. First Street.

Alterations and additions to theatre
(new steel roof trusses, roofing, in-
terior decorating & plaster work).
Owner—Livermore Theatre (Louis
Schenoni, premises.
Architect—Miller & Warnecke, Finan-
cial Center Bldg., Oakland.
Contractor—S. Bothwell, 748 Palm Ave-
nue, Livermore.

Sub-Contracts Awarded
REMODELING Cost, \$—
RENO, Nevada. Majestic and Gra-
mada Theatres.
Remodel interior of two theatres (de-
corating, painting, etc.).

Owner—T. & D. Junior Theatres, 25
Taylor St., San Francisco.
Architect—F. J. DeLongchamps, Ga-
zette Bldg., Reno.
Contractor—Salih Bros., 25 Taylor St.,
San Francisco.

Structural Steel: Schrader Iron Works,
1247 Harrison St., San Francisco.
Reinforcing Steel: Soule Steel Co.,
1750 Army St., San Francisco.
Heating and Plumbing: Savage & Son,
214 Sierra, Reno, Nev.

Sub-bids are wanted on electric,
ventilating and painting.

WHARVES AND DOCKS

Plans Being Completed.
SHED Cost, \$150,000
SAN FRANCISCO, Pier 23, Foot of
Greenwich Street.

Steel frame shed (110x830 ft.) precast
concrete wall slabs, redwood floor
sheeting covered with asphalt and
gravel.

Owner—State of California (Harbor
Commission).
Engineer—Frank White, Ferry Bldg.,
San Francisco.

Bids will be asked in about two
weeks.

Plans Being Prepared.
EXTEND DOCKS Cost, \$—
SAN FRANCISCO, Piers 42 and 44.
Extend docks.

Owner—State of California (Harbor
Commission).
Engineer—Frank White, Ferry Bldg.,
San Francisco.

MISCELLANEOUS CONSTRUCTION

Contract Awarded.
CLUB HOUSE, ETC. Cost, \$100,000

SACRAMENTO, Cal. Del Paso Park.
18-hole golf course and clubhouse.
Owner—City of Sacramento et al.
Architect—Dr. A. McKenzie, Presa-
tempo, Santa Cruz.
Contractor—American Golf Course
Constr. Co., % Architect.

Under the plan formulated to finance
this project a corporation will be
formed under the title, probably, Sacra-
mento Municipal Golf Course Asso-
ciation, and this corporation will then
lease the land from the city, construct
the course and then lease it back to
the city. The links are to be entirely
self-supporting.

RENO, Nev.—W. K. Owen, Heldt-
man Building, is in the market for
literature on materials and equipment
in connection with the proposed \$200-
000 coliseum building to be erected
in Reno for the Coliseum Holding Com-
pany. The structure will be 200 by
300 ft., of brick and steel construction,
and will provide accommodations for
an ice hockey rink, basketball
courts, boxing arena, exhibition
rooms, etc.

Elis's Opened.
MISC. BUILDINGS Cost, \$—
SAN FRANCISCO, Third and Par-
nassus Avenues.

One-story reinforced concrete inciner-
ator building and one-story rein-
forced concrete or concrete and
wood frame corporation and yard
building.

Owner—Regents of the University of
California.

Architect—Wm. Hays, Crocker First
National Bank Bldg., San Fran-
cisco.

The incinerator building will have a
composition and transite roof, the
transite portion to be on two sides for
a marquee.

Following is complete list of bids:
(a) grading; (b) corporation yard
and incinerator building; (c) concrete
contract; (d) concrete contract with
concrete roof.

J. S. Hannah 268 Market St. (a) \$ 930
..... (b) 18,541
..... (c) 18,541
..... (d) 21,041

Empire Constr Co. (a)
..... (b) 18,740
..... (c) 19,250
..... (d) 27,050

William Spivock (a)
..... (b) 19,872
..... (c) 20,000
..... (d)

F. J. Reilly (a)
..... (b) 20,432
..... (c) 20,987
..... (d) 22,293

Clinton - Stephenson Constr. Co. (a)
..... (b) 20,961
..... (c) 21,862
..... (d) 21,790

Sullivan & Sullivan (a) 2,900
..... (b) 22,804
..... (c) 24,500
..... (d)

Granfield Farrar & Carlin (a) 2,579
Bids held under advisement until
September 15.

SAN FRANCISCO.—Kamian Fence
Co., 351 Bryant St., at \$960 awarded
contract by Board of Public Works
for metal fencing at the Balboa High
School. Complete list of bids received
on this work published in issue of Sep-
tember 3.

SANTA BARBARA, Cal.—Until Oc-
tober 5, 10 A. M., bids will be re-
ceived by D. H. Hunt, county clerk,
to construct four miles of red top post
and wire fence on the San Julian Rd.,
Sections 2-A and 2-B. Specifications
obtainable from Ronald Adams, super-
visor at Lompoc.

Sub-Bids Wanted.
MISC. BLDGS. Cont. price, \$18,997
SAN FRANCISCO, Third and Par-
nassus Avenues.

One-story reinforced concrete inciner-
ator building and one-story rein-
forced concrete or concrete and
wood frame corporation and yard
building).

Owner—Regents of the University of
California.

Architect—Wm. Hays, Crocker First
National Bank Bldg.

Contractor—J. S. Hannah, 268 Market
Street.

The incinerator building will have a
composition and transite roof, the
transite portion to be on two sides for
a marquee.

Sub-bids are wanted on all portions
of the work.

LOS ANGELES, Cal.—Until Sept. 28,
4 P. M., bids will be received by Board
of Education, 1445 South San Pedro
St., to furnish 39,500 lin. ft. galvan-
ized pipe for fencing. Further infor-
mation obtainable from secretary of
the Board.

Date Of Opening Bids Postponed Un-
til Oct. 5.
ELECTRIC EQUIP. Cost, \$—
ALBANY, Alameda Co., Cal.

Furnish and install electrical equip-
ment for flood lighting in double
tennis courts at city park.

Owner—City of Albany (Park Com-
mission, P. A. McCormack, Secre-
tary), Albany.

Architect—Not Given.

Certified check 10% payable to sec-
retary required with bid. Specifica-
tions obtainable from city clerk. Bond
of \$500 will be required of the suc-
cessful bidder.

SAN JOSE, Santa Clara Co., Cal.—
Standard Fence Co., 432 Bryant St.,
San Francisco, at \$5,559 awarded con-
tract by county supervisors to con-
struct fencing along the right of way
for Junipero Serra Blvd.

OAKLAND, Cal.—Pacific Coast En-
gineering Co., foot of 14th St., Oak-
land, at \$13,960 submitted low bid to
City Port Commission to construct
and place 70 ft. structural steel ladder
for port dredge.

Following is a complete list of bids:
(a) work complete with rolled beams.
(b) work complete with built-up gir-
ders.

Pacific Coast Eng. Co. (a) \$13,960
General Eng. & Dry'dk Co. (b) 15,890
Bethlehem Shipbuilding Co. (a) 16,465
Bids held under advisement.

Contract Awarded.
MISC. BLDGS. Cont. price, \$18,997
SAN FRANCISCO, Third and Par-
nassus Avenues.

One-story reinforced concrete inciner-
ator building and one-story rein-
forced concrete or concrete and
wood frame corporation and yard
building).

Owner—Regents of the University of
California.

Architect—Wm. Hays, Crocker First
National Bank Bldg.

Contractor—J. S. Hannah, 268 Market
Street.

The incinerator building will have a
composition and transite roof, the
transite portion to be on two sides for
a marquee.

BERKELEY, Alameda Co., Cal.—D.
N. & E. Walter Co., 562 Mission St.,
San Francisco, at \$1,948.50 awarded
contract by Regents of the University
of California to furnish linoleum for
the Eshleman Memorial, Berkeley.

Engineering News Section

BRIDGES

STOCKTON, San Joaquin Co., Cal.—As previously reported, bids will be received until Sept. 21, 11 A. M., by the county clerk, Eugene Graham, for the construction of a bridge on Prather Road. Project involves:

- (1) 43.6 cu. yds. concrete;
 - (2) 11,235 bd. ft. Douglas fir timber;
 - (3) 110 ft. wire fabric.
- Plans obtainable from Julius Mantey, county surveyor.

RED BLUFF, Tehama Co., Cal.—County supervisors, due to failure to specify the prevailing wage rate in the official proposal, have withdrawn the call for bids to construct the steel bridge and wooden bent trestle approach over the Sacramento River about 6 miles north of Red Bluff at what is known as bend. The structure is estimated to cost \$48,500. A new call for bids will be issued when the "prevailing wage rates" have been determined by the supervisors, according to W. F. Luning, county surveyor.

SANTA CRUZ, Santa Cruz Co., Cal.—Sam Sclarfraz, 498 Park Ave., San Jose, at \$17,980 awarded contract by county supervisors to construct reinforced concrete bridge over the San Lorenzo River near Felton Acres in the San Lorenzo Road District, to be known as the "Big Tree Bridge." See separate bid tabulation on page five of this issue.

STOCKTON, San Joaquin Co., Cal.—See "Railroads" this issue. City council to acquire rights-of-way for proposed public-owned belt line railroad system in connection with deep water developments on south side of Stockton Channel.

BERKELEY, Alameda Co., Cal.—Berkeley Board of Education rejects bids to construct a concrete culvert in Strawberry Creek on the site of the Burbank Junior High School gymnasium in the south side of Addison St. bet. Brown and Curtis Sts. New bids will be asked shortly. On previous call lowest bid was submitted by A. Soda & Son, 1077 65th St., Oakland, at \$2,830.

SAN FRANCISCO.—Until Sept. 30, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to construct a Strauss Steel Trunnion Bascule Bridge, including substructure and approaches over the Channel Street Waterway at Third St. Estimated cost \$600,000. Time for completion 270 days. Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineering, Dept. of Public Works, 3rd floor, City Hall.

BUTTE-COLUSA COUNTIES, Cal.—Until September 30, 2 P. M., bids will be received by C. H. Whitmore, district engineer, State Highway Commission, 502 State Office Bldg., Sacramento, for repairs to a bridge across the Sacramento river near Hamilton City, consisting of reconstructing the timber deck of one 314 ft. 4-in. swing span and two 134-ft. 9-in. approach spans. Specifications and further information obtainable from the district engineer.

SAN JOSE, Santa Clara Co., Cal.—R. O. Summers, 17 N-First St., San Jose, at \$29,000 awarded contract by the city council for the construction of a reinforced concrete bridge in San Augustin St. over Guadalupe Creek, involving:

- 695 cu. yds. concrete (not including hand rail);
- 258 lin. ft. hand rail;
- 42.47 tons steel;
- 800 cu. yds. excavation;
- 87 piles (150 yards concrete);
- 24,200 sq. ft. forms.

Complete bids follow:

R. O. Summers, San Jose.....	\$20,503
Ralph Hunter, Sacramento.....	20,700
John D. Carlson, San Jose.....	20,932
John Doyle, San Jose.....	21,542
Pacific Properties & Constr. Co. 21,600	
Thermotite Constr. Co., San Jose 22,114	
A. W. Kitchen, San Francisco.....	25,950
W. C. Proctor, Santa Rosa.....	25,800
Neves & Harp, Santa Clara.....	25,950
Sullivan & Sullivan, Oakland.....	26,499
Oberg Bros., Los Angeles.....	29,520

OAKLAND, Calif.—Until Sept. 22, 10:30 A. M. (time extended from Sept. 15) bids will be received by George E. Gross, county clerk, to construct box culvert on the Alvarado - Centerville Road, involving:

- (1) 80 cu. yds. excavation;
 - (2) 200 yds. rock borrow;
 - (3) 200 yds. concrete;
 - (4) 39,000 lbs. reinf. steel;
 - (5) removing existing bridge, constructing detour, etc. Lump sum.
- Estimate cost, \$7000. Plans obtainable from Geo. A. Posey, county surveyor.

PLACERVILLE, El Dorado Co., Cal.—Until October 6, 2 P. M., bids will be received by Arthur J. Koletzke, county clerk, for the construction and erection of a steel bridge across the North Fork of the Cosumnes river near Nashville. Work consists of concrete approach abutments, and erecting thereon the old Nashville steel bridge span, together with a new floor. Plans obtainable from clerk upon deposit of \$10, returnable. Certified check 10% payable to clerk required with bid.

RED BLUFF, Tehama Co., Cal.—Until September 30, 10 A. M., bids will be received by H. M. Koppin, county clerk, for the construction of a steel bridge and wooden bent trestle approach over the Sacramento River, six miles north of Red Bluff, involving:

- (1) 330 cu. yds. concrete;
- (2) 260 cu. yds. excavation;
- (3) 133,000 ft. timber;
- (4) 354,000 lbs. structural steel;
- (5) 53,785 lbs. steel cylinders;
- (6) 800 tons rip rap;
- (7) 11,500 lbs. reinforcing steel.

The following wage scale prevails for this project:

Common laborer	\$3.50
Foreman	6.00
Carpenters rough	6.00
Carpenters' helpers	4.00
Reinforcing steel men, plain	4.00
Concrete mixer man.....	5.00
Clam shovel operator.....	6.00
Structural iron workers.....	6.00
Structural iron workers' helpers 4.00	
Painters	6.00
Truck driver	4.00

The rate for legal holiday and overtime work is hereby ascertained to be not less than the prevailing rate of

per diem wages as heretofore fixed herein.

Plans obtainable from W. F. Luning, county surveyor, upon deposit of \$10, returnable. Certified check 5% payable to chairman of board required with bid. Estimated cost \$48,500.

Previous call for bids on this project was cancelled due to the failure of the county supervisors to specify the rate of wages to be paid in the bid call.

EUREKA, Humboldt Co., Cal.—Bids will be asked shortly by the county supervisors to construct concrete bridge over the Big Slough near Arcata to replace an old draw bridge at that point. Frank Kelly, county surveyor.

DREDGING, HARBOR WORKS & EXCAVATIONS

OAKLAND, Cal.—American Dredging Co., foot of 11th Ave., Oakland, at (\$3,0795 cu. yd.) \$3,415.50 submitted low bid to City Port Commission for Clamshell dredging along the key wall near the Market Street Pier, involving 9,000 cu. yds. Only other bid submitted by Pacific Coast Dredging at (\$0.385 cu. yd.) \$3,465.

STOCKTON, San Joaquin Co., Cal.—Until October 13, 3 P. M., under Circular Proposal No. 32-75, Specifications No. 3606, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, for dredging approximately 1,289,000 cubic yards of material in the Stockton 26-ft. Channel Prism (Part 3) from the mouth of Burns Cut-off to the vicinity of El Dorado Pump on Roberts Island, a distance of approximately 1.9 miles in the San Joaquin River. Plans are obtainable from the above offices without charge.

SANTA MONICA, Calif.—City votes bonds of \$590,000 to finance construction of breakwater. Plans being prepared by Howard B. Carter, city engineer, provide for a breakwater of the reinforced concrete crib type, 2,000 ft. in length. Each crib will be 100 ft. in length, 33 ft. wide at the ocean bottom, 23 ft. wide on top, about 41 ft. high, and weighing 1700 tons without the superstructure. They will be built on shore and towed out, sunk in place, and then pumped full of sand. The superstructure will be of reinforced concrete, to provide a promenade with step construction on the ocean side. The total weight of the superstructure will be 120,000 tons or 60 tons per lin ft. This makes a total weight of 6000 tons on each crib or caisson. The breakwater will be connected to the end of the municipal pier by a suspension bridge. The bridge will consist of a steel span 200 ft. in length, with approaches of 200 ft. each, making the bridge 600 ft. in all. It will have a clearance of 20 ft. to mean high water. The superstructure will have ornamental lighting system and other ornamental features, with moorings, etc. The work will involve approximate quantities as follows:

BREAKWATER

22,000 cu. yds. concrete;
1,100 tons steel;
50,000 cu. yds. sand fill;

24,000 tons of stone.
BRIDGES AND APPROACHES
 55,000 lbs. structural steel;
 750 cu. yds. reinf. concrete;
 1,200 lin. ft. concrete piling.
 All work will be done by contract, and it is probable that two contracts will be let, viz.: the breakwater and superstructure as one contract, and the suspension bridge as the other.

SACRAMENTO, Cal.—American River Flood Control District has voted bonds of \$565,000 to finance improvements in connection with a 2400-foot channel along the American River. Approximately 18 miles of levees are included. The total cost is \$875,000, of which the state and federal governments will pay \$310,000.

SAN FRANCISCO—Dutton Dredging Co., Mills Bldg., submitted low bid to the Board of Public Works for levee repairs at the San Francisco (Mills Field) Municipal Airport. The bids follow: (a) operating dredger, 550 hours, \$5,75; (b) operating dredger, 80 hours, \$4,75. Other bids were:
 Delta Dredging Co., (a) \$6; (b) \$6.
 A. S. Dutra Dredging Co., (a) \$11; (b) \$8.
 Healy - Tibbitts Construction Co., (a) \$12; (b) \$12.

STOCKTON, San Joaquin Co., Cal.—Until Sept. 28, 11 A. M., bids will be received by Eugene Graham, county clerk, to extend the landings for the Staten Island Ferry for a distance of 12 ft. Project involves:
 (1) 240 lin. ft. piles;
 (2) 5,460 bd. ft. Douglas fir timber.
 Plans are obtainable from Julius Manthey, county surveyor.

MONTEREY, Monterey Co., Calif.—W. J. Beatty, Castroville, at \$6,700 awarded contract by city council for the El Estero dredging project, involving 80,000 cu. yds. Complete list of bids follows:
 W. J. Beatty \$ 6,700
 Roberts Island Dredging Co. 11,800
 R. L. Oakley, Palo Alto 16,100
 Delta Dredging Co., Pittsburg 24,800
 Merritt, Chapman & Scott, San Pedro 27,800

SAN JOSE, Santa Clara Co., Cal.—Clinton-Stephenson Co., Monadnock Bldg., San Francisco, at \$2,383 awarded contract by county supervisors to construct timber pile revetment jetty on east bank of the Coyote Creek just south of Keyes Street, in Supervisor District No. 2. Complete list of bids follows:
 Clinton-Stephenson Co. \$2,383
 A. W. Kitchen 2,544
 E. W. Peterson 2,577
 Ralph Hunter 2,785
 Earl L. Heple 2,794
 M. B. McGowan 2,987
 Geo. A. Kelly 2,987
 John W. Williams 3,232
 B. C. Gerriek 3,312
 Duncanson-Harrelson Co. 3,788

MARYSVILLE, Yuba Co., Cal.—U. S. Engineers office, California Fruit Bldg., Sacramento, has postponed date of opening bids for placing five Retards along the banks of the Yuba river between Rubke Bend and a point near the Dantoni Orchard, about one mile above the town of Marysville. Retards will be of the following approximate lengths of steel sections: one, 24 ft., one 36 ft., two 60 ft. each, and one 72 ft.
 Bids have been returned to bidders unopened. Changes are being made in the proposal and corrected proposals will be sent out within a few days to prospective bidders.

RICHMOND, Contra Costa Co., Cal.—Standard Dredging Co., 414 13th St.,

Oakland, at \$1,097 cu. yd. submitted low bid to U. S. Engineer Office for dredging in Richmond Harbor, involving \$55,680 cu. yds.
 Following is a complete list of bids:
 Standard Dredging Co., Oakland, per cubic yard \$1,097
 San Francisco Bridge Co. 1,101
 American Dredging Co., S. F. 1,118
 Longview Dredging Co. 1,148
 Hydraulic Dredging Co. 1,125

SACRAMENTO, Cal.—Major A. M. Barton, chief engineer, State Reclamation Board, announces completion of plans for levee work along the Sacramento river and tributaries extending from Chico Landing to Rio Vista, Solano county; estimated cost \$700,000. The United States government will contribute \$348,000 to the program, the state will pay \$200,000, and local land owners will advance \$163,000.

STREET LIGHTING SYSTEMS

LOS ANGELES, Calif.—Until 10 A. M., Sept. 23, bids will be received by board of public works for ornamental lighting system in Los Feliz Blvd., between 145 ft. west of Glen Feliz Blvd. and 130 ft. west of Riverside Drive, involving 30 Marbelite standards. Cash contract.

LOS ANGELES, Calif.—Until 10 A. M., Sept. 23, bids will be received by board of public works for ornamental lighting system in Third St. between Figueroa St. and Vermont Ave., involving 65 Marbelite type S-283 standards to be installed in Third St. bet. Figueroa St. and Columbia Ave., and 153 Marbelite type 2500 standards, bet. Columbia and Vermont Avenues; together with conduits, cables, etc. Cash contract.

MACHINERY AND EQUIPMENT

OAKLAND, Cal.—City council rejects bids to furnish one four disc type road planer for the street department. The equipment will be purchased in the open market. Walter N. Frickstad is city engineer.

BRAWLEY, Imperial Co., Cal.—Until 5:30 P. M., September 22, bids will be received by the Brawley Elementary school district for two 50-passenger buses with two-ton chassis. Proposals may be made on the bodies and chassis separate or on the bodies and chassis together. A. M. Whipple, clerk.

HUMBOLDT COUNTY, Cal.—Until September 29, 2 P. M., bids will be received by W. H. Pierce, superintendent of Equipment, Shop No. 1, State Highway Commission, Eureka, for the purchase of the following equipment, no longer required:
 CHC 2444, Kleiber 1½-ton truck chassis with cab.
 CHC 61, Fordson Tractor.

Bidders may make offers for one or more items but must state price offered for each item. No lump sum bids will be considered.

All equipment may be inspected at the Division of Highways yards at Eureka, from 8:30 A. M. to 4:30 P. M., on any working day.

PALO ALTO, Santa Clara Co., Cal.—City council has appropriated \$1,498 for the purchase of a tractor for the Board of Public Works. J. F. Byxbee is city engineer.

SHASTA COUNTY, Cal.—Until September 23, 2 P. M., bids will be received by J. M. O'Malley, superintendent

of equipment, Shop No. 2, Redding, for the sale of the following equipment, no longer needed:
 CHC 1891 Standard truck chassis complete.

CHC 38 Car, Mine Dump, Koppel 30 x 21 inches gauge.
 CHC 119 Drill, rock, Colchase.
 CHC 119 Drill, rock, Colchase.
 CHC 120 Drill, rock, Colchase.
 CHC 128 Drill, rock, Ingersoll-Rand 14 R 439.

CHC 12 S-caper, Le Can 16 yard.
 CHC 371, 372, 373, 391, 392, 393, 394, 395, 399, 440, 441, 449, 439, Fordson Mule Tractors at Convict Camp 24, Oroville.

CHC 380 381, 386, 387, 426, Fordson Mule Tractors at Convict Camp 23, Virgilia.

CHC 342, 343, 349, 375, Fordson Mule Tractor at Convict Camp 25, Junction City.

Miscellaneous Lots of Truck parts for:

Heavy Aviation; Light Aviation; Standard White; Pierce Arrow; Packard; Nash Quaid.

Miscellaneous Lot of truck springs—approx. 10.

1 only Wood horizontal dump body hoist suitable for 3 to 5 ton truck.

All of the above equipment except the Fordson Mule Tractors, may be inspected at the Division of Highways' yards at Redding, California, from 7:30 A. M. to 4:30 P. M. on any working day.

The Fordson Mule Tractors may be inspected at the place above mentioned between 7:30 A. M. and 4:30 P. M. on any working day.

No lump sum bids will be considered.

OXNARD, Ventura Co., Cal.—Until Sept. 22, 7:30 P. M., bids will be received by B. F. Barr, clerk, Oxnard Union High School District, to furnish school bus; capacity 45 to 50 students. Specifications obtainable from clerk.

OAKLAND, Cal.—Jenison Machinery Co., 58 Fremont St., San Francisco, at \$7,225 awarded contract by East Bay Municipal Utility District to furnish ditcher machine.

MADERA, Madera Co., Calif.—Until October 6, 10 A. M., bids will be received by L. W. Cooper, county clerk, to furnish one New Twin Ignition 5-cylinder 5-passenger Nash Sedan f.o.b. Madera. Further information obtainable from the clerk.

RAILROADS

STOCKTON, San Joaquin Co., Cal.—Proceedings have been started by the city council to acquire rights-of-way for the proposed public-owned belt line railroad system on the south side of the Stockton Channel adjacent to the future municipal docks and terminals. The main section of the line will extend from the Western Pacific and Southern Pacific tracks at McDougald canal and Church street through Yosemite subdivision and across the Boggs Tract to the San Joaquin river. If a proposed joint agreement between the city and the Western Pacific, Santa Fe and Southern Pacific railroads is ratified, the city will also buy a right-of-way across Rough and Ready Island. The proposed agreement, which officials of the railroads are studying and which they indicate they will execute, provides that the three carriers will build a bridge across the river and a line on Rough and Ready Island, with the city having the right to purchase this section at any time within 10 years at cost plus 5 per cent interest. It is the intention of the city to build a bridge later across Stockton channel at Edison St. and to have a municipal line serving industries on the north side of the

deep water harbor. This purchase, however, and construction of the span is set for a number of years in the future.

FIRE EQUIPMENT

SAN MATEO, San Mateo Co., Cal.—Following bids taken under advisement by city council to furnish pumping engine for Fire Department: Seagrave Corporation

600-gallon per minute	\$3,000
Junior	7,000
Industrial Steel Products Co.	7,500
Mack International Motor Trucks Corp., 600-gal.	8,800
500-gallon	7,450
.....	6,900
American La France Co.	
600-gallon	7,900
.....	8,650

PLACERVILLE, El Dorado Co., Cal.—American La France Co., at \$6,500 awarded contract by city council to furnish motor truck pumper for fire department. Other bidders were: J. J. Jacobs Co., \$4,500; O. N. Hirst, \$5,250; Seagrave Co., \$6,600.

RESERVOIRS AND DAMS

LOS ANGELES, Calif.—County Supervisors reject bids for additional exploration work at San Gabriel Dams 1, 2 and 3. Bids for this work were opened on August 31.

WENATCHEE, Wash.—Concrete Const. Co., Securities Bldg., Seattle, at \$61,785 awarded contract by city council to construct reservoir in connection with water system; 4,000,000 gallon capacity. Ramanan and Co., \$63,455, next low bidders.

PANAMA CANAL ZONE (Special Correspondence from Washington, D. C.)—W. E. Callahan Construction Co., Arcade Bldg., St. Louis, Mo., and Peterson, Shirley & Gunther, Omaha, Neb., at \$4,047,407 awarded contract by Panama Canal Commission for the construction of the Madden Dam, power plant and appurtenant works, Madden Dam. Project, Canal Zone. The work is located near the village of Alhuelwa on the upper Charges river in the Panama Canal Zone.

The projects involves: 635,000 cu. yds. excav., all classes; 646,000 cu. yds. earth and rock fills in embankments; 518,000 cu. yds. concrete; 38,000 cu. ft. grout; 35,000 lin. ft. drilling grout holes; 3,800,000 lbs. bars (rein.); 719,000 lbs. small metal pipe and fittings, installing; 705,000 lbs. large metal conduits, installing; 1,487,000 lbs. structural steel, installing; 6,700,000 lbs. gates, hoists and other metal work, installing.

PIPE LINES, WELLS, ETC.

ALAMEDA, Alameda Co., Calif.—Wilkinson Co., Gilroy, at \$3,475 submitted low bid to Constructing Quartermaster, Benton Field Air Depot, for drilling and testing a 12-inch well for the purpose of supplying water at Benton Field. Following is a complete list of bids:

Wilkinson Co., Gilroy	\$3,475
J. M. Ough, Oakland	6,620
Western Well Drilling Co., San Jose, Alt. 1	5,057
Alt. 2	7,190

Bids referred to Washington for award.

GILROY, Santa Clara Co., Cal.—City council rejects bids for drilling wells in connection with municipal water system. New bids will be asked from revised specifications.

SAN DIEGO, Cal.—H. N. Savage, city hydraulic engineer, has completed plans for an 8-mile pipe line from Riverview Farms near Lakeside to El Capitan Dam site; estimated cost \$460,000. Bids, when authorized, will be received by A. V. Goeddell, city purchasing agent.

SEWERS AND SEWAGE DISPOSAL PLANTS

LONG BEACH, Cal.—Due to failure of the city council to specify the rate of wages to be paid, call for bids to construct the North Long Beach sewer system has been withdrawn and a new call for bids will be issued. The bids were scheduled for opening on October 2. Quantities of materials involved were published in issue of August 28.

CAPISTRANO BEACH, Orange Co., Cal.—Bids will be asked shortly by the Capistrano Beach Sanitary Sewer District to construct a sanitary sewer system and sewage treatment plant with ocean outfall, involving:

- (1) 500 ft. 8-in. sewer;
- (2) 2100 ft. 8-in. cast iron force main;
- (3) pumping plant, sedimentation basins, and 200 ft. ocean outfall.

Bonds in the sum of \$40,000 have been voted for above work.

- (4) 22,000 ft. 6-in. pipe sewers;
- (5) 22,300 ft. 8-in. pipe sewer;

The above work is estimated to cost \$50,000. Work under 1911 Act.

Burns-McDonnell-Smith Engineering Co., Western Pacific Bldg., Los Angeles, engineers.

SANTA CRUZ, Santa Cruz Co., Cal. County supervisors petitioned to construct sewer system in Brookdale section. Twenty-seven property owners have signed the petition which has been referred to County Surveyor Lloyd Bowman for report.

OAKLAND, Alameda Co., Cal.—Until September 22, 10:30 A. M., (postponed from Sept. 15), bids will be received by George E. Gross, county clerk, for the construction of a reinforced concrete box storm sewer between station 90/47 and 108/08 on the Hayward-Mt. Eden Rd., Eden Road District, Eden Township, involving:

- (1) 1200 cu. yds. excavation;
- (2) 400 cu. yds. rock borrow;
- (3) 900 cu. yds. concrete;
- (4) 166,000 lbs. reinf. steel;
- (5) 7 catchbasins;
- (6) removing existing bridges, etc.

Estimated cost, \$24,000. Plans available from clerk upon deposit of \$25. Certified check 10% payable to clerk.

HOLLISTER, San Benito Co., Cal.—Until Sept. 28, 5 P. M., bids will be received by Howard O'Brien, city clerk, to construct 4,000 ft. of 16-inch concrete storm sewer to run out the San Juan Highway to the San Benito river. A. M. McCray, city engineer.

OAKLAND, Cal.—Until September 29, 10:30 A. M., bids will be received by George E. Gross, county clerk, to construct a storm sewer in East 14th St., near 59th Ave. Project involves:

- (1) 1200 cu. yds. excavation for structure;
- (2) 850 cu. yds. rock borrow;
- (3) 580 cu. yds. concrete structure;
- (4) 113,000 lbs. reinf. steel;
- (5) 1 catchbasin inlet;
- (6) 5 manhole frames and covers;
- (7) removal of existing bridges and cleaning site.

Plans obtainable from George A. Posey, county surveyor.

WATER WORKS

SAN FRANCISCO, Cal.—Enterprise Foundry Co., 2802 19th St., San Francisco, at four and five-eighths cents per lb. awarded contract by city purchasing agent for cast iron pipe fittings for the Water Dept., under proposal No. 749. Contract involves 200,000 lbs.

GILROY, Santa Clara Co., Cal.—City Council will call a special election to vote bonds of \$10,000 to finance sinking of a new well together with the purchase of pumping equipment in connection with the municipal water system.

SAN FRANCISCO.—Twenty-four identical bids were received by Leonard S. Leavy, city purchasing agent, under Proposal No. 758, to furnish standard weight galvanized steel pipe, in random lengths, threaded and coupled f.o.b. 639 Bryant St., for the San Francisco Water Department, as follows:

- (1) 10,000 ft. 1½-inch;
- (2) 25,000 ft. ¾-inch;
- (3) 2,000 ft. 1-inch;
- (4) 3,000 ft. 1½-inch.

The bids were (1) \$4.83 (2) \$5.90 (3) \$8.41 (4) \$13.60. Bidders were: C. G. Claussen and Co., Inc.; P. E. O'Hair and Co.; Pacific Pipe Co.; Richmond Sanitary Co.; Woodin and Little; Tay Holbrook, Inc.; Walworth California Co.; Olsen and Heffernan; Dunham, Carrigan & Hayden; The Turner Co.; Petroleum Equip. Co.; Dalziel Moller Co.; Grinnell Co. of the Pacific; C. E. Newhall Co.; General Machine & Supply Co.; Pacific Plumbing and Heating Co.; R. W. Giddings Co.; Pioneer Pipe Co.; Crane Co.; Sloss and Brittan; Steam and Plumbing; Marshall Newhall Co.; Federal Co.; Baker, Hamilton & Pacific Company.

EUGENE, Oregon.—Carl A. McClain, city superintendent of public utilities, announces bids will be asked shortly to construct filtration plant in connection with water system; estimated cost \$220,000. Plant will be located just west of the city's steam electric plant on the bank of the McKenzie river. Construction will include 4 settling basins, each of 500,000 gal. capacity; 8 filter units, each having 1,500,000-gal. capacity. Beneath the filters will be a clear water storage of 200,000-gal. from which water will be pumped to city reservoirs. Approximately 3,500 cu. yds. of concrete and 250 tons of structural and reinforcing steel is involved. Stevens and Koon, Spalding Bldg., Portland, engineers.

SAN FRANCISCO.—Until Sept. 19, 10 A. M., under Circular No. 928-32-61, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish 18 parts for a 6-inch Type SS Split Case Turbine Pump No. 47405. Specifications and further information obtainable from above office.

LOS ANGELES, Cal.—Wm. Davidson, county mechanical superintendent, Hall of Records, has completed revised plans and new bids will be asked for a circular steel water storage tank at the county general hospital. Will be 38 ft. diameter, on 50 ft. tower.

MONTEREY, Monterey Co., Cal.—Until September 25, 7:30 P. M., bids will be received by J. R. McKillop, clerk of the board of trustees, Monterey Union High School District, for furnishing and installing water main, hydrants, and connections for the Monterey Union High School. Specifications may be obtained from the

office of the high school. Certified check 10%.

Wage scale per diem prevailing on this project follows: Laborers, \$5.20; plumbers, \$9; steam and gas fitters, \$9; power shovel operators, \$10; carpenters, \$8; truck drivers, \$6. Overtime to be computed at time and one-half, Sundays and holidays double time.

REDWOOD CITY, San Mateo Co., Calif.—C. L. Dimmitt, city engineer, has been authorized by city council to purchase the necessary 40-in. pipe and three hydrants to use in extending the city fire mains. Est. cost, \$7000.

LOS ANGELES, Cal.—Until 4 P. M., Sept. 28, bids will be received by the purchasing bureau of the Los Angeles Board of Education, 1445 S San Pedro St., for furnishing 39,500 ft. of galvanized pipe for fencing. Specifications obtainable from the secretary of the board.

MODESTO, Stanislaus Co., Calif.—City council has passed ordinance authorizing the purchase of water mains for extensions into the residential section north of the city limits. The council will provide \$5,000 for the purchase of pipe. Frank Ross, city engineer.

LOS ANGELES, Cal.—Until 2 P. M., Sept. 28, bids will be received by the county supervisors for furnishing and erecting a circular steel water storage tank at the Los Angeles General Hospital, in accordance with plans prepared by Wm. Davidson, Chief Mechanical Engineer, 10th floor, Hall of Records. The tank will be 38 ft. in diameter and will have a tower 50 ft. high.

OAKLAND, Alameda Co., Cal.—Until Sept. 23, 8 P. M., bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, 512 16th St., to furnish 1530 water meters for the district.

MONROVIA, Los Angeles Co., Cal.—Pacific Pipe & Supply Co. was awarded contract by city council at \$77.81 per C ft. for furnishing 3000 ft. 10-in. I. D. steel pipe, dipped and wrapped, for lap welding.

MONROVIA, Los Angeles Co., Cal.—The United States Pipe & Foundry co. awarded contract by city council for furnishing centrifugal cast iron pipe as follows:

- (1) 1568 ft. 12-in., per ft.....\$ 1.12
- (2) 42000 ft. 8-in., per ft.....63.5c
- (3) 800 ft. 6-in., per ft.....45.0c
- (4) 94 tons fittings, per ton.....80.00

SEATTLE, Wash.—City council will ask bids shortly to replace sections of the Beacon Hill-Cedar River pipe line; estimated cost, \$260,000. Sections of the line that are to be replaced are between Beacon Hill and Leo Street and aggregated from one and one-half to two miles in length. Permanent pipe will be specified, but it is not yet known whether alternate figures will be taken on steel, cast iron and concrete. Pipe to be used will measure 66 inches in diameter. It is not thought that Seattle-made pipe will be specified, although plans will probably cover local products.

SANTA BARBARA, Cal.—Victor E. Trace, city water superintendent, has prepared estimate of cost for water works improvements proposed under the special bond election. The council has been asked to set a date for the election to vote \$301,000 for this work. The principal features of the proposed expansion program include the replacement of the 24-in. redwood sup-

ply main from the tunnel to Shiffield reservoir, at an estimated cost of \$70,000; construction of a 1,000,000-gallon reservoir on the El Cielito site, at an estimated cost of \$25,000 and construction of a 2,000,000-gallon reservoir on La Mesa site at a cost of \$100,000.

Other proposed improvements and their estimated costs are as follows: Distributing main from El Cielito to the Mission ridge system, \$18,000; extension of Chapala St. trunk line to Rutherford and San Roque tracts, \$15,000; extension of Voluntario St. trunk line from Montecito to Indio Mue to St. \$11,000; extension of Gillespie St. trunk line, Pedregosa to Pueblo St., \$6000; extension of Pueblo St. trunk line, Mission creek to Gillespie St., \$6,000; extension of Anapamu St. trunk line, Chapala to Castillo Sts., \$11,000; replacement of Cold Springs tunnel line in Sycamore canyon road, \$5500; extension of 12-in. supply main, Barker Pass road to reservoir No. 1, \$5500; extension of Quinientos St. line, Voluntario to Salsipuedes Sts., \$5000; extension of Alameda Padre Serra line, \$12,500; extension of Cleveland Avenue line, Pedregosa to Orena Sts., \$2300; extension of Clearview and Micheltorena St. lines, \$1200; extension of Micheltorena St. line, Castillo to San Andres Sts., \$5000; street improvement of Chino, Micheltorena to Mission Sts., \$4500; street improvement of Mission, Gillespie to Robbins St., \$3500; street improvement of Robbins St., Valerio to Mission Sts., \$3500; street improvement of Canada St., \$2000; street improvement of El Sol se Acuesta tract, \$8000, and water works tool house and garage, \$40,000.

PLAYGROUNDS & PARKS

SACRAMENTO, Cal.—City Park Superintendent E. N. Evans is preparing plans to beautify the park in McKinley Park, involving removal of the present fencing and replacing it with a low wall of rock. Water ferns and grasses will be planted.

SANTA ROSA, Sonoma Co., Cal.—Frederic A. Juilliard has offered to donate to the city council a tract of land between Santa Rosa and A Sts., comprising about nine acres, provided the city will spend not less than \$2,500 and until the total sum of \$25,000 has been expended, in improving the land for public park purposes.

SACRAMENTO, Cal.—Following bids taken under advisement by county supervisors to construct an asphalt macadam shoulder on the Freepoot Road from the Sutterville Road to Freepoot and the construction of a asphalt macadam pavement on the Freepoot Road from Twelfth Avenue to the Sutterville Road:

J. R. Reeves, Route 3, Box 100 Sacramento.....(a)	\$ 1,555
.....(b)	15,552
.....(c)	12,672
Harms Bros., Galt.....(a)	1,708
.....(b)	12,556
.....(c)	10,568
E. F. Hilliard, Sacto.....(a)	1,320
.....(b)	16,992
.....(c)	14,976
A. Telchert & Son., Sacto.....(a)	1,919
.....(b)	16,560
.....(c)	15,120

SACRAMENTO, Cal.—McGillivray Construction Co., P. O. Box 927, Sacramento, at \$67.29 submitted bids to the county supervisors to reconstruct a portion of the Jackson Road with asphalt concrete. Complete list of bids follows:

McGillivray Constr. Co.....\$67.29	
J. B. Reeves, Sacramento.....6.843	
E. F. Hilliard, Sacramento.....7.275	
A. Telchert & Son, Sacramento.....7.509	

BERKELEY, Alameda Co., Calif.—Empire Const. Co., Shell Bldg., San Francisco, at \$8,400 awarded contract by Regents of the University of California for general construction of a concrete bridge and pavement in connection with the Eschleman Hall, Berkeley.

SACRAMENTO, Cal.—J. R. Reeves, Route 3, Box 100, Sacramento, at \$2901 submitted low bid to county supervisors to resurface with asphalt macadam a portion of the Fruitridge road from the Upper Stockton Road eastward. Complete list of bids follows:

J. R. Reeves.....\$2,901	
A. Telchert & Son.....2,905	
McGillivray Constr. Co.....3,629	
E. F. Hilliard, Sacramento.....6,634	

SACRAMENTO, Cal.—Following bids taken under advisement by the county supervisors for construction of asphalt macadam shoulders on the River Road:

A. Telchert & Son, Sacramento.....\$ 9,925	
.....Alt. 1.....11,550	
.....Alt. 2.....13,000	
E. F. Hilliard, Sacramento.....7,469	
.....Alt. 1.....8,921	
.....Alt. 2.....9,629	
McGillivray Constr. Co., Sacramento.....11,165	
Harms Bros., Galt.....6,921	
.....Alt. 1.....8,933	
.....Alt. 2.....13,200	

SISKIYOU COUNTY, Calif.—Interstate Const. Co., Board of Trade Bldg., Portland, Oregon, awarded contract by U. S. Bureau of Public Roads for grading Section C of Route 77, Mt. Shasta—Mt. Lassen National Forest Highway in the Shasta National Forest, Siskiyou County, 12,450 miles in length, involving:

- 23 acres clearing;
- 142,000 cu. yds. unclass. excavation;
- 1057 cu. yds. unclass. excav. for struc.;
- 40,500 sta. yds. overhaul;
- 12,423 miles finish earth graded road;
- 625 M. B. M. bridge timber in place;
- 3333 lin. ft. corr. metal pipe;
- 5300 cu. yds. subgrade reinf. materials;
- 20 right of way monuments;
- 360 sq. yds. bituminous wearing surf.

SAN JOAQUIN COUNTY, Cal.—Asphalt Pavement Planing Co. 1737 Webster St., Oakland, at \$4,331.04 submitted lowest bid to R. E. Pierce, district engineer, State Highway Commission, Sacramento, for improving 8.8 miles between west boundary and a point near Banta, involving 100,722 sq. yds. of existing asphalt concrete surface to be planed. Complete list of bids follows:

Asphalt Pavement Planing Co., Oakland, \$4,331.04; 4.3 cents per sq. yd.
Standard Road Planing Co., Los Angeles, \$5,348.34; 5.31 cents.
Monte C. Abrams, Los Angeles, \$11,018.99; 10.94 cents.

LOS ANGELES COUNTY, Cal.—Until September 23, 2 P. M., bids will be received by S. V. Cortelyou, district engineer, State Highway Commission, Associated Realty Bldg., Los Angeles, for treating with heavy fuel oil, 1.4 miles between La Canada and Mount Wilson. Specifications obtainable from district engineer.

COCONINO CO., Ariz.—Heitsch and Bitten, Holbrook, Arizona, at \$6,210 submitted only bid to U. S. Bureau of Public Roads, Office of the Superintendent, Grand Canyon, Ariz., to furnish labor and materials, except asphaltic oil to be furnished by Government, for placing seal coat on existing oil treated crushed rock surfacing on a portion of Section A, South Approach to Grand Canyon National Park, 11.25 miles in length, involving:

- (1) 150 tons apply asphaltic oil;

(2) 200 cu. yds. screenings for seal coat.
Bid held under advisement.

HAYWARD, Alameda Co., Cal. As previously reported, bids will be received by M. B. Thompson, city clerk, September 25, 8 P. M., for the construction of sidewalks, driveways, and parking areas on City Hall Grounds. Project involves:

- (1) 330 lin. ft. 8x4-in. conc. curb;
- (2) 830 lin. ft. 8x10-in. do;
- (3) 2000 sq. ft. concrete gutter, including grading;
- (4) 5370 sq. ft. 6-in. concrete paving; including grading, in driveways;
- (5) 6870 sq. ft. 6-in. concrete paving; including grading, in parking area;
- (6) 4400 sq. ft. 3 1/2-in. concrete sidewalk;
- (7) 60 lin. ft. 4-in. tile drain;
- (8) 660 lin. ft. 1 1/2-in. conduit for electroliner system;
- (9) 1120 lin. ft. cable;
- (3) 3 electroliner standards to be moved and re-connected.

Grader operator, per day of eight hours, \$5.04; Roller operator, \$6.00; Tractor operator, \$5.04; Truck driver, \$5.00; Carpenter, \$7.50; Rough carpenter, \$6.00; Cement finisher, \$7.04; Cement worker, \$5.04; Common laborer, \$4.00; Electricians, \$7.04; Electricians helper, \$5.04.

For each of the above craft or workmen for legal holiday or overtime the prevailing rate of wages in straight time pay per hour on the same basis as above ascertained for eight hours.

OAKLAND, Cal.—Until Sept. 21, 4:30 P. M., bids will be received by G. B. Hegardt, secretary, City Port Commission, Grove St. Pier, Oakland, to construct oil macadam roadway adjacent to Warehouse C, involving 14,000 sq. ft. and 5,000 ft. 10- or 12-inch pipe for drainage system.

PALO ALTO, Santa Clara Co., Cal.—Until October 5, 8 P. M., bids will be received by E. L. Beach, city clerk (995) to improve portions of Williams St., Cornell St., Oberlin St., etc., involving:

- (1) 66,336 sq. ft. grading;
- (2) 647 lin. ft. integral gutter, curb and sidewalk;
- (3) 153 lin. ft. integral driveway and gutter;
- (4) 25,402 sq. ft. 6-in. concrete pavement;
- (5) 327 tons asphaltic concrete wearing surface;
- (6) 1764 lin. ft. "A" curb;
- (7) 22,814 sq. ft. 4-in. sidewalk;
- (8) 1763 sq. ft. sidewalk corners;
- (9) 311 sq. ft. 5-in. driveways;
- (10) 2 brick manholes;
- (11) 2 catchbasins with castings;
- (12) 2 catchbasins without castings;
- (13) 325 lin. ft. 12-inch concrete storm sewer pipe;
- (14) 80 lin. ft. 10-in. do;
- (15) 80 lin. ft. 8-in. sanitary sewer main;
- (16) 900 lin. ft. 1 1/2-in. conduit;
- (17) 4 electroliners;
- (18) incidental costs.

1911 Act. Certified check or bond 10% payable to city required with bid. J. F. Byxbee, Jr., city engineer.

SACRAMENTO, Cal.—Following bids taken under advisement by county supervisors to reconstruct a portion of the Lower Stockton road with asphalt macadam:

A. Telchert & Son	(A)	\$3,880
.....	(C)	8,110
.....	(A)	1,402
.....	(C)	8,989
.....	(C)	8,399
.....	(C)	1,272
J. R. Reeves	(A)	3,192
.....	(C)	7,650
.....	(C)	3,901

STOCKTON, San Joaquin Co., Cal.

—Bids will be asked shortly by the county supervisors to improve the Murphy Ferry Rd. from French Camp Rd. to River Rd., 3 miles; J. B. Manthey, county surveyor, Stockton, estimates the quantities as follows:

- 6000 cu. yds. grading;
- 7700 tons road gravel;
- 700 tons 3/4-in. crushed rock;
- 300 tons 1/2x1/2-in. rock chips;
- 260 tons Birdseye pea gravel;
- 170 barrels fuel oil;
- 60 tons asphaltic oil.

Estimated cost, \$22,000. Julius Manthey, county surveyor.

SANTA BARBARA, Cal.—Santa Maria Const. Co., Santa Maria, at \$33,923.41 submitted low bid to county supervisors to resurface portions of the Santa Maria-Guadalupe Highway. Clark and Henery Const. Co., San Francisco, only other bidders at \$39,927.50. Taken under advisement.

SAN LUIS OBISPO, San Luis Obispo Co., Calif.—Hanrahan Co., Hobart Bldg., San Francisco, at \$2,970 awarded contract by county supervisors to pave streets in Santa Margarita, involving approximately 18,000 sq. ft. 4-in. asphaltic concrete pavement.

SAN JOSE, Santa Clara Co., Cal.—A. J. Haisch, Burrell Bldg., San Jose, at \$3,543 awarded contract to improve First, Alice and Third Sts., in town of Campbell and at \$3,059 to improve Gordon and Greenside Avenues in Supervisor District No. 3.

Other bids on the Campbell paving were: Granite Const. Co., Watsonville, \$5,120; San Jose Paving Co., San Jose, \$5,956. Surveyor's estimate, \$4,600.

Other bids on the Gordon and Greenside Aves. project were: Granite Const. Co., Watsonville, \$3,540; San Jose Paving Co., San Jose, \$4,749. Surveyor's estimate, \$3,100.

SANTA CRUZ, Santa Cruz Co., Cal.—Granite Const. Co., Watsonville, only bidder, at \$7,746, awarded contract by county supervisors to improve Lower Soquel Road from the Capitola Bridge to a point about 1 mile northwest in the Soquel Road District, involving:

- (1) 2700 cu. yds. excavation without classification, \$1,350;
- (2) 1178 cu. yds. Logan quarry waste in place \$3,534;
- (3) 95,400 sq. ft. oil macadam surface in place, \$2,862.

Alternate bid on the project was submitted as follows:

- (1) 2700 cu. yds. excavation without classification, \$1,350;
- (2) 1472 cu. yds. decomposed granite from Monterey Bay Lumber Co. quarry, \$5,152;
- (3) 95,400 sq. ft. oil macadam surface in place, \$2,862.

SAN JOSE, Santa Clara Co., Cal.—County supervisors petitioned to pave three miles of the Summit Big Basin Road from Saratoga to Long Bridge. Taken under advisement. Robert Chandler, county surveyor.

MARTINEZ, Contra Costa Co., Cal.—Until Sept. 21, 11 A. M., bids will be received by the county supervisors for improving a portion of the highway between Concord and the top of Willow Pass road involving:

- (1) 3,233 miles grading;
- (2) 12,112 tons macadam material.

Plans and specifications available from Ralph R. Arnold, county engineer. Estimated cost, \$15,000.

PLACERVILLE, El Dorado Co., Cal.—E. R. Sennelund, Rio Vista, at \$2552 awarded contract by city council to widen Main St., bet. Charles St. and the Courthouse, involving filling

of cement gutters and cutting back sidewalk. Harms Bros., Galt, Calif., only other bidder at \$2549.

SANTA CRUZ, Santa Cruz Co., Cal.—Granite Const. Co., Watsonville, only bidder, at \$6,794.50, awarded contract by county supervisors to improve Main St. in the town of Soquel, from the Santa Cruz-Watsonville Highway to Bates Creek Bridge in the Soquel Road District, involving:

- (1) 3935 cu. yds. excavation without classification, \$1,967.50;
- (2) 889 cu. yds. Logan quarry waste in place, \$2,667;
- (3) 72,000 sq. ft. oil macadam surface, \$2,160.

Alternate bid on the project was submitted as follows:

- (1) 3935 cu. yds. excavation without classification, \$1,967.50;
- (2) 1111 cu. yds. decomposed granite from Monterey Bay Lumber Co. quarry, \$3,888.50;
- (3) 72,000 sq. ft. oil macadam surface, \$2,160.

SAN JOSE, Santa Clara Co., Cal.—Until September 21, 10 A. M., bids will be received by Henry A. Pfister, county clerk, to improve Tennand Ave. in Supervisor District No. 1, involving:

- (1) Section A, 275,280 sq. ft. macadam pavement;
- (2) Section B, 45,206 sq. ft. macadam pavement.

Plans obtainable from Robt. Chandler, county surveyor, on payment of \$1. See item to improve Lester Ave. for prevailing wage scale.

SAN JOSE, Santa Clara Co., Cal.—Until September 21, 10 A. M., bids will be received by Henry A. Pfister, county clerk, to improve Lester Avenue in Supervisor District No. 4, involving 39,840 sq. ft. asphalt surfacing. Plans obtainable from Robert Chandler, county surveyor, on payment of \$1. Per diem wage to be paid follows: Roller engineer, \$9; tractor operator, \$8 to 50 hp., \$7; common laborer, \$4; asphalt plant platform labor, \$6; asphalt or concrete mechanical finisher operator, \$6; concrete mixer operator, small, \$6; concrete pavement mixer operator, large, \$9. With double payment for holidays and overtime.

RICHMOND, Contra Costa Co., Cal.—Independent Construction Co., 213 Richmond Oil Bldg., Oakland, at \$63,944.70 awarded contract by city council to improve Hall Ave. and a portion of 14th St. See separate unit bid tabulation on page five of this issue.

SANTA CRUZ, Santa Cruz Co., Cal.—Until September 23, 2:30 P. M., bids will be received by H. E. Miller, county clerk, to improve Section 11 of the Carlton Road and Section 11 of the Calabasas Road in the Pajaro Road District, involving:

- Carlton Road
- (1) 408 cu. yds. Logn Quarry waste; place;
- (2) 67,979 sq. ft. oil macadam surfacing.

- Calabasas Road
- (1) 480 cu. yds. Logan Quarry waste;
- (2) 69,816 sq. ft. oil macadam surfacing.

Specifications obtainable from Lloyd Bowman, county surveyor, on payment of \$3. Prevailing rate of wages applying on this project follow: Road foreman, \$7; shovel operator, \$7; motor grader, \$5; tractor operator, \$5; roller operator, \$6; truck crane operator, \$7; grademan, \$5; truck driver, \$5; asphalt distributing operator, \$6; mixer operator, \$5; laborer, \$4; timekeeper, \$4; powder man, \$6.

SAN RAFAEL, Marin Co., Calif.—County Surveyor Rodney Messner is making surveys for the following road improvements, involving an expendi-

ture of \$67,440 for approximately 31.4 miles of asphaltic armor coat surfacing:

Tamapais valley to Stinson Beach, 10.5 miles; est. cost, \$21,440.
Point Reyes station to Millerton, 5 miles; est. cost, \$10,000.
Marshall to Tomales, 7 miles; est. cost, \$15,000.

Tomales to Dillon Beach, 3.9 miles; est. cost, \$8,600.

Tomales Valley Ford road, 5 miles; est. cost, \$12,600.

SANTA CLARA, Santa Clara Co., Calif.—Union Paving Co., Calif. Bldg., San Francisco, at \$23,725 submitted the lowest bid to the city council (26-D) to improve Grant St. and The Alameda, involving:

- (1) 850 cu. yds. quarry waste in place;
- (2) 800 cu. yds. Portland cem. conc. (pavement), curbs, drop curbs, driveways and sidewalks in place;
- (3) 900 tons asphalt concrete leveling course in place;
- (4) 1,600 tons asphalt concrete surface in place;
- (5) 850 tons asphalt concrete base in place.

Complete list of unit and total bids taken under advisement, follows:

(A) Union Paving Co., S. F., \$23,725
(B) San Jose Pav. Co., San Jose \$26,925

	(A)	(B)
(1)	\$ 1.50	\$ 1.70
(2)	11.50	12.10
(3)	3.00	4.00
(4)	5.00	5.50
(5)	3.00	4.00

RICHMOND, Contra Costa Co., Cal.—Independent Construction Co., Ltd., 213 Richmond Oil Bldg., Oakland, at \$63,944.70 awarded the contract Sept. 8, 1931, by the city council for improving Hall Ave. and a portion of 14th St., between Cutting Blvd. and Hall Ave. Hutchinson Co., Oakland, only other bidder at \$65,531.70. Complete unit bid listing follows:

- (1) 15,000 cu. yds. excavation;
- (2) 6,900 cu. yds. filling;
- (3) 145,000 sq. ft. 2-in. asph. concrete wearing surface on 8-in. cement concrete base on 4-in. broken rock cushion;
- (4) 6,800 sq. ft. cem. conc. sidewalks;
- (5) 4,700 sq. ft. cem. conc. gutters;
- (6) 2,350 lin. ft. cem. conc. curbs;
- (7) 50 lin. ft. curb bar;
- (8) 5 tons asphalt concrete wearing surfaces;
- (9) 6 catchbasins "A" complete;
- (10) 4 catchbasins "B," complete;
- (11) 10 10-in. vit sewer pipe tees;
- (12) 280 lin. ft. 10-in. vit. sewer pipe culvert;
- (13) 214 lin. ft. 8-in. corrugated iron culvert;
- (14) 1 twin 2x3-ft. reinforced cement concrete culvert, complete;
- (15) 75 cu. yds. concrete for soft spots.

Concrete Co.	Hutchinson Co.
\$.40	\$.38
.10	.38
.343	.346
.17	.18
.47	.375
.47	.47
.45	.50
8.00	6.12
60.00	70.00
60.00	60.00
2.40	2.40
2.40	1.16
1.20	1.45
800.00	850.00
9.50	9.60

SANTA CLARA, Santa Clara Co., Cal.—A. J. Ralsch, Burrell Bldg., San Jose, at \$744.50 submitted lowest bid to city council (27-D) to improve Franklin St. bet. Lincoln and Grant Sts. involving:

- (1) 350 tons asphaltic concrete leveling course;
- (2) 1,450 tons asph. conc. surface.

Complete list of unit and total bids taken under advisement, follows:

Taken under advisement, follows:			
(A)	A. J. Ralsch, San Jose.....	\$7447.50	
(B)	Union Paving Co., S. F.....	\$3000.00	
(C)	San Jose Pav. Co. San Jose	9375.00	
	(A)	(B)	(C)
(1)	..... \$4.50	\$3.00	\$4.00
(2)	..... 4.05	5.00	5.00

BERKELEY Alameda Co., Calif.—Empire Const. Co., Shell Bldg., San Francisco, at \$8,400 submitted lowest bid to Regents of the University of California, Berkeley, for general construction of a concrete bridge and pavement in connection with the Eschleman Hall, Berkeley. Following is a complete list of bids:

Empire Const. Co., S. F.....	\$ 8,400
C. Dudley De Velbiss, S. F.....	8,478
Nat. Len., Oakland.....	8,824
J. H. Fitzmaurice, Oakland.....	9,027
Davis & Ferrebee, Oakland.....	9,130
J. J. Grodem & Co., Alameda.....	9,575
J. B. Peterson, Oakland.....	10,833
Taylor & Goerckle, S. F.....	11,775

Bids held under advisement.

SANTA CLARA, Santa Clara Co., Calif.—City Engineer George Sullivan preparing plans for resurfacing Homestead road from University Ave. to the city limits.

SAN MATEO-SANTA CLARA COUNTIES, Cal.—Until September 30, 2 p. m., bids will be received by State Highway Commission to grade and pave with Portland cement concrete 12 miles between Redwood City and Oregon Ave.

TRINITY COUNTY, Cal.—Until September 30, 2 p. m., bids will be received by State Highway Commission for grading approaches to the North Fork of the Trinity River bridge near Helena, 0.5-mile in length.

REDLAND, Shasta Co., Cal.—Until September 21, 10 A. M., (date postponed from Sept. 14), bids will be received by Errol A. Yank, county clerk, for clearing and grubbing a highway at Viola, Shingletown-Mt. Lassen Approach Road. The project is divided into three sections and separate bids must be submitted on each section. Plans available from the clerk. Certified check 10% payable to county.

Prevailing rate of wages follows: Common laborer, \$3.50; truck driver, \$4.50; Caterpillar or tractor operator, \$5. The general prevailing rate in Shasta County for each such type of workman for overtime and holiday work is the same rate as above set forth.

HOLLISTER, San Benito Co., Cal.—Until October 5, 2 P. M., bids will be received by Elmer Dowdy, county clerk, for the improvement of portions of Hollister Township and Fairview Road in Supervisor District No. 1. Plans available from A. M. McCray, county surveyor, or from the clerk. Certified check 10% required with bid. Wage scale prevailing for this project follows: road foreman, \$7; shovel operator, \$7; motor grader, \$5; tractor operator, \$5; roller operator, \$6; truck crane operator, \$7; grademan, \$5; truck driver, \$5; asphalt distributor operator, \$6; mixer operator, \$5; laborer, \$4, and time keeper, \$4.

SANTA BARBARA, Cal.—Until 5 P. M., Oct. 1, bids will be received by city council to improve Harbor View Drive bet. Coast Highway and Scenic Drive, and portions of Country Club Drive, Scenic Drive and other streets, involving asphalt concrete pave, cement concrete driveways, reinf. conc. drain pipe, dry rubble headwall, vitrified clay pipe house connection sew-

ers, etc.; 1911 Act. E. B. Brown, city engineer.

EL SEGUNDO, Los Angeles Co., Cal.—Bids will be asked shortly by the city council to improve Imperial Highway between Main and Arizona Drive, involving:

- (1) 28,000 sq. ft. grading and shaping;
- (2) 342,000 sq. ft. 6-in. bituminous full penetration pavement;
- (3) reinforced concrete double box culvert.

Estimated cost \$87,000. 1911 act. R. T. Hutchins, city engineer.

EL SEGUNDO, Los Angeles Co., Cal.—Bids will be asked shortly by the city council to improve Arizona Drive bet. Collingwood Ave. and Rosecrans Ave. involving:

- (1) 98,000 cu. yds. excavation;
- (2) 422,400 sq. ft. 7-in. asph. concrete pavement;
- (3) 380,160 sq. ft. light oil macadam shoulders;
- (4) 21,120 ft. curb;
- (5) 500 ft. concrete drainage pipe.

Estimated cost \$200,000 (acquisition \$57,200). 1927 Imp. Dist. Act (No. 1). R. T. Hutchins, city engineer.

CALIFORNIA—C. H. Purcell, State Highway Engineer, Sacramento, has announced that the Department of Public Works, Division of Highways, will award contracts for state highway construction before December 1, 1931, totaling \$15,350,000. The total expenditure for year will be about \$37,000,000, of which \$14,400,000 is the sum of contracts awarded prior to July 1. In addition the state will expend \$7,450,000 for maintenance and minor improvements.

SACRAMENTO, Cal.—Until Sept. 24, 5 P. M. (to be opened 8 P. M.) bids will be received by H. G. Denton, city clerk (2311) to improve east one-half of 39th St. from 36th Way east to point 1 1/2 ft. north of McKinley Blvd., involving grading, concrete curbs, gutters and walks, c. i. gutter drains, vit. pipe sewer, concrete manholes, 2-in. asphalt concrete pavement with seal coat on a 3-in. cement gravel sub-base, install street lighting system. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of the clerk. Fred J. Klaus, city engineer. Prevailing rate of wages per diem to be paid on this project follows: Blacksmith, \$6.50 to \$8.50; blacksmith helpers, \$4.50 to \$5.50; carpenters, \$9; cement finishers, \$9; concrete laborers, \$6.95; concrete mixerman, \$8; electrical workers, \$10; engineers, hoisting, \$10; laborers, \$5.50; painters, \$9; plumbers, \$10.50; sheet metal workers, \$10; steam fitters, \$10.50; structural steel workers \$11; truck drivers, heavy \$6.25. The prevailing rate of legal holiday and overtime work is double the above prevailing rate of normal wages; excepting however, that blacksmiths, and blacksmiths helpers do not receive wages for overtime work nor work performed on holidays. Laborers receive straight time for Saturday mornings. The above schedule is for a 5-day week which is operative in Sacramento. Teamsters not in lumber yards, time and a half for overtime.

SACRAMENTO, Cal.—McGillivray Construction Co., P. O. Box 927, Sacramento, at \$844.30 submitted lowest bid to county supervisors for asphalt concrete shoulders on the Fair Oaks Blvd. from Carmichael to Fair Oaks. Complete list of bids follows:
McGillivray Construction Co.....\$5,911
Clark & Henery Constr. Co.....6,513
A. Telchert & Son.....6,619

MENDOCINO COUNTY, Cal.—Until September 24, 2 P. M., bids will be received by State Highway Commission to grade and surface with screened gravel about 1.1 miles in length in Mendocino county through Bonville.

GILROY, Santa Clara Co., Cal.—Until September 24, 2 P. M., bids will be received from Sept. 10, bids will be received by E. F. Rogers, city clerk, (12-1931) to improve portions of Martin Lane, Monterey St., Casey St., Leavesley Road, involving:

- (1) 105,557 sq. ft. asphalt concrete pave.
- (2) 13491 sq. ft. Portland cem. conc. gutters;
- (3) 4366 lin. ft. Portland cem. conc. class A curb;
- (4) 975 lin. ft. Portland cem. conc. class B curb;
- (5) 2422 sq. ft. Portland cem. conc. sidewalk;
- (6) 2500 cu. yds. excavation;
- (7) 540 lin. ft. 8-in. sewer conc. pipe;
- (8) 100 lin. ft. do;
- (9) 3 catchbasins;
- (10) 2 manholes.

1911 Act Bond Act 1915. Certified check 10% payable to city clerk required with bid. Plans on file in office of clerk and obtainable from Raymond W. Fisher, engineer, 74 N. First St., San Jose.

SAN MATEO-SANTA CLARA COS., Cal.—As previously reported, bids will be received Sept. 30, 2 P. M., by State Highway Commission to grade and pave with Portland cement concrete, 6.2 miles between Redwood City and Oregon Ave. Project involves:

- (1) 4,700 cu. yds. rdwy. excav. without class. (type A);
- (2) 29,000 cu. yds. do (type B);
- (3) 79,600 cu. yds. imported borrow;
- (4) 3,400 cu. yds. struc. excav.;
- (5) 38,730 cu. yds. class A cement concrete (pave.);
- (6) 174 cu. yds. class A cem. concrete (struc.);
- (7) 30 cu. yds. class A cem. concrete (curbs and sidewalks);
- (8) 1,083,100 pounds bar reinf. steel (pave. and struc.);
- (9) 53,460 tons crusher run base;
- (10) 1,120 bbls. light fuel oil;
- (11) 25 tons asphalt road oil (bitum. surf. treat.);
- (12) 1,185 tons screenings (shoulders and road approaches);
- (13) 585 tons asphalt concrete surf. (type B);
- (14) 62 lin. ft. 15-in. corr. metal pipe;
- (15) 1,216 lin. ft. 18-in. do;
- (16) 286 lin. ft. 12-in. extra strength reinf. conc. pipe;
- (17) 1,552 lin. ft. 18-in. do;
- (18) 2,420 lin. ft. 8-in. perforated metal pipe underdrains;
- (19) 130 lin. ft. 6-in. vit. clay pipe;
- (20) 20 special inlet catchbasins in place;
- (21) 14 special outlet catchbasins in place;
- (22) 7 cu. yds. gravel or broken stone backfill in place;
- (23) 2 cast iron floor drains in place;
- (24) 335 lbs. copper strips for pedestrian underpass;
- (25) 114 lin. ft. ornamental iron fence for pedestrian underpass;
- (26) 1 lighting system for pedestrian underpass;
- (27) remove 87 trees (size 1);
- (28) remove 38 trees (size 2);
- (29) remove 28 trees (size 3);
- (30) 1.1 miles new property fence;
- (31) 658 lin. ft. solid timber guard rail;
- (32) 40 timber guide posts;
- (33) 60 culvert markers;
- (34) 327 sta. finish roadway;
- (35) 20 monuments, complete.

State will furnish corrugated metal pipe.

For "prevailing wage rates" in connection with this project see the of-

ficial proposal on page seven of this issue.

TRINITY COUNTY, Cal.—As previously reported, bids will be received Sept. 30, 2 P. M., by State Highway Commission for grading 0.5 mile of approaches to the North Fork of the Trinity River Bridge near Helene. Project involves:

- (1) 25,970 cu. yds. rdwy. excavation without class;
 - (2) 74,800 sta. yds. overhaul;
 - (3) 22,600 cu. yds. imported borrow;
 - (4) 400 cu. yds. struc. excav.;
 - (5) 5 cu. yds. class A cem. concrete (struc.);
 - (6) 600 pounds steel reinforcing steel (struc.);
 - (7) 226 lin. ft. 18-in. corr. metal pipe;
 - (8) 8 lin. ft. 24-in. do;
 - (9) 3 lin. ft. corr. metal pipe (clean and relay);
 - (10) 1,890 cu. yds. hand-placed rock slopes;
 - (11) 30 sta. finish rdwy.;
 - (12) 11 monuments complete in place.
- State will furnish corrugated metal pipe.

For "prevailing wage rates" in connection with this project see the official proposal on page seven of this issue.

RENO, Nevada.—J. S. Jensen, Reno, at \$1,925.25 awarded contract by city council to construct concrete curbs, walks and gutters in various streets. J. Christensen Co., Reno, only other bidder at \$1,953.75.

SANTA BARBARA, Cal.—Until October 5, 10 A. M., bids will be received by D. H. Hunt, county clerk, to construct four miles of red top and wire fence on the San Julian Rd., Sections 2-A and 2-B. Specifications obtainable from Ronald Adams, supervisor at Lompoc.

SAN FRANCISCO.—Meyer Rosenberg, 1755 San Bruno Ave., at \$3,340 submitted low bid to the Board of Public Works to improve the race track in the Golden Gate Park Stadium. The bid follows:

- (a) clearing track, harrowing; furnish and spread clay and all incidental work, \$2,880;
 - (b) furnish and install water pipe and fittings, \$460.
- Other bids were:
- Granfield, Farrar & Carlin, (a) \$3,750; (b) \$525.
- Pacific Pavements Co., (a) \$4,865; (b) \$1,444.
- New-Way Lawn Sprinkling Co., (b) \$463.

LOS ANGELES COUNTY, Cal.—Until October 7, 2 P. M., bids will be received by State Highway Commission to grade and pave with Portland cement concrete, 5.1 miles bet. Washington Blvd. and El Segundo. Quantities of materials involved and wage scales in connection with this project will be published tomorrow.

SAN LUIS OBISPO COUNTY, Cal.—Until October 7, 2 P. M., bids will be received by State Highway Commission to grade and pave with Portland cement concrete, 5.8 miles between Los Borros Creek and Arroyo Grande. Quantities of materials and wage scales in connection with this project will be published tomorrow.

SAN JOSE, Santa Clara Co., Cal.—Standard Fence Co., 432 Bryant St., San Francisco, at \$5,659 awarded contract by county supervisors to construct fencing along the right of way for Junipero Serra Blvd.

SACRAMENTO, Cal.—Until October 1, 5 p. m. (to be opened at 8 p. m.), bids will be received by H. G. Denton, city clerk, (2309) to improve alley be-

tween T, U, 4th and 6th Sts., involving c. i. gutter drains with sewer connections; vit. ironstone pipe sewers; reconstruct manhole; install 1-in. water main connections; grading; hyd. conc. pavement; concrete curb. 1911 Act Bond Act 1915.

Certified check 10% payable to city or bond required with bid. Fred J. Klaus, city engineer.

Colorado Supreme Court Rules Against Architects' Organization

"An incorporated association of architects is incompetent to contract with the City of Denver for architectural services in connection with the construction of a municipal building," according to a ruling of the Supreme Court of Colorado which has held void and of no effect such a contract with the Allied Architects' Association, says the U. S. Daily of Washington, D. C.

"The court also determined that such an association is incapable, under the Colorado law, of becoming a licensed architect.

"The contention of the association and the city that the city may contract for the services of an architect without complying with the requirements that bids must be called for before a contract can be entered into was rejected by the court.

"Concerning the right of a corporation to engage in the practice of architecture, the court found that the Legislature has not permitted the granting of licenses to corporations. The fact that all members of the association were licensed was said to permit the licensing of the association."

CONCRETE PIPE INTERESTS ELECT

H. W. Chutter of Fresno, was elected president of the California Association of Concrete Pipe Manufacturers last Saturday at the closing session of the annual convention in Fresno. He succeeds Fred Spiekerman of Lodi.

B. R. Pollard, of Fresno, was named vice president and A. A. Clark of Visalia, was re-elected secretary-treasurer. Directors include the three officers and H. A. Wiegand, San Jose; Walter Lenz, St. Helena; T. M. Porter, Lindsay; Gilbert Williamson, Yuba City; J. J. Duggan, Porterville, and B. J. Kyropina, Los Angeles.

Fifteen California firms were represented at the convention. The time and place of the next convention will be decided later.

National specifications for concrete irrigation pipe were evolved during the two-day session and will be printed in the near future. The booklet will be available for distribution in about six months. It will contain up-to-date information regarding irrigation pipe and is expected to satisfy a nation-wide demand for data. Chutter said the specifications cover design and test requirements, recommendations for installation practices and data regarding the proper use of concrete pipe irrigation systems.

Establishment by private enterprise of a highly developed modern system of trunk line automobile roads joining the more important cities of Italy, ownership of which after 50 years will revert to the state without further compensation, is planned under projects now under way in that country.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
1335	Robertson	Owner	3000
1336	Wissman	Stein	2000
1337	Johnson	Owner	7000
1338	Kolsberg	Owner	3500
1339	Westlund	Owner	3000
1340	Moses	Fisher	3000
1341	Cronan	Schoolgen	3500
1342	Muerri	Franceschi	6000
1343	Johnson	Owner	6600
1344	Dierks	Koenig	2700
1345	Gruhn	Siegrist	5000
1346	Mariscano	Martinelli	3000
1347	White	Owner	3000
1348	Lange	Owner	1800
1349	Barkov	Wiander	4000
1350	Klatas	Zinkand	9000
1351	Anderson	Owner	5000
1352	Erickson	Owner	3500
1353	Tadwick	Fletcher	2688
1354	McAfee	Owner	6000
1355	Nelson	Owner	10000
1356	Fries	Jacks	4600
1357	Romey	Owner	10000
1358	Christensen	Owner	4000
1359	Daniels	Owner	7000
1360	Mehegan	Stroth	2000
1361	Christensen	Owner	3500
1362	Pedeprade	Kimball	6500
1363	Appelblom	Granz	1000
1364	Kelgesson	California	3250
1365	Casle	Herzig	6000
1366	Barone	Bjorkman	3500
1367	Berger	Owner	3500
1368	Heyman	Owner	7000
1369	Jorgensen	Owner	24000
1370	Peterson	Owner	8000
1371	Pedeprade	Kimball	6500
1372	Stoneson	Owner	3500
1373	Erickson	Owner	4000
1374	Stoneson	Owner	4000

DWELLING

(1335) S ULLOA 32 E 15th Ave.; one-story and basement frame dwelling.

Owner—J. Robertson and A. Lilleas, 2266 21st Ave.
Architect—Not Given. \$3000

STORE

(1336) SW COR. 33rd AVE. and Balboa; one-story frame store.

Owner—H. Wissman, Geary and Cook Streets.
Plans by P. Krieg, 551 21st Ave.
Contractor—Stein & Krieg, 159 19th Avenue. \$2000

FLATS

(1337) N CARRILLO 95 E 30th Ave.; two-story and basement frame flats.

Owner—G. R. Johnson, 801 44th Ave.
Architect—Not Given.
Contractor—Not Given. \$7000

DWELLING

(1338) E CAINE 375 S Lakeview; 1-story and basement frame dwelling.

Owner—T. Kolsberg, 141 Winfield St.
Plans by Owner. \$3500

DWELLING

(1339) E HOLYOKE 50 S Burrows; 1-story and basement frame dwelling.

Owner—C. H. Westlund, 133 Harvard Street.
Plans by Owner. \$3000

DWELLING

(1340) E 34th AVE. 200 N Kirkham; one-story and basement frame dwelling.

Owner—D. Moses, 1454 10th Ave.
Plans by Contractor.
Contractor—F. C. Fisher, 1454 Tenth Ave. \$3000

REPAIRS

(1341) 1101 BUSH STREET; repair fire damage.

Owner—J. Cronan, 445 Camino Del Mar.
Architect—Not Given.
Contractor—E. A. Schootgen, 244 Lantatt. \$3500

FLATS

(1342) S LOMBARD 65 W Buchanan; two-story and basement frame (2) flats.

Owner—F. Muerri, Vacaville, Calif.
Plans by T. A. Sharnan.
Contractor—L. Franceschi, 1990 Beach Street. \$6000

DWELLINGS

(1343) E HARVARD 125 S Sillman; two 1-story and basement frame dwellings.

Owner—N. and E. Johnson, 2 Curtis.
Plans by Owner. each \$3300

REPAIRS

(1214) 950 MISSION ST.; repair fire damage.

Owner—Dierks Estate, NV Divisadero and McAllister Sts.
Plans by Owner.
Contractor—C. W. Koenig & Sons, 520 Church St. \$2700

SALESROOM

(1345) SE 11th and MINNA Sts.; one-story class C salesroom.

Owner—E. Gruhn, 604 Mission St.
Engineer—N. E. Green, Sharon Bldg.
Contractor—F. R. Siegrist, 604 Mission Street. \$5000

ALTERATIONS

(1346) 615 BROADWAY; alterations to hotel for baths, showers, toilets.

Owner—Mrs. M. Mariscano, 781 Green Street.
Architect—Not Given.
Contractor—J. Martinelli, 666 Mission Street. \$3000

ALTERATIONS

(1347) 1621 FILLMORE ST.; alterations to store.

Owner—Robert White & Co., 488 Pine Street.

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - California

Architect—Crim, Reising and McGunnness, 488 Pine St. \$3000

ALTERATIONS

(1348) W DIVISADERO 50 N Cak; alterations to store.

Owner—W. A. Lange, 369 Pine St.
Architect—Not Given. \$1800

STORE & DWELLING

(1349) NE COR. 23rd and De Haro; two-story and basement frame store and dwelling.

Owner—J. Barkov, 999 Wisconsin St.
Plans by Contractor.
Contractor—E. Wiander & Son, 641 Brunswick. \$4000

FLATS

(1350) W 22nd AVE 100 N Geary St; two-story and basement frame (2) flats.

Owner—J. and W. Klatas.
Architect—G. E. Ralph, 110 Sutter St.
Contractor—E. Zinkand & Son, 667 36th Ave. \$9000

DWELLING

(1351) S ULLOA 220 W Granville; 2-story and basement frame dwelling.

Owner—C. Andersen, 150 Granville Way.
Architect—Not Given. \$5000

DWELLINGS

(1352) E THIRTY-FOURTH AVE 125 N Vicente, Four one-story and basement frame dwellings.

Owner—E. Erickson, 514 Miramar St., San Francisco.
Plans by Owner. \$3500

STORES

(1353) S TARAVALL 82 W Thirty-first Ave. One-story frame stores.

Owner—A. M. Tadwick.
Architect—Not Given.
Contractor—J. P. Fletcher, 6140 Geary St., San Francisco. \$2688

DWELLINGS

(1354) SW OTTAWA 30 E Ellington; two 1-story and basement frame dwellings.

Owner—F. L. McAfee, 771 Hanover St.
Plans by Owner. each \$3000

DWELLINGS

(1355) SW COR. 20th AVE and Sloat Blvd.; two 1-story and basement frame dwellings.

Owner—F. Nelson & Sons, 19th Ave. and Sloat Blvd.
Architect—Not Given. each \$5000

ALTERATIONS

(1356) SE COR. PACIFIC and Steiner; alterations and addition to residence.

Owner—F. Fries, % architect.
Architect—Hyman & Appleton, 68 Post Street.
Contractor—Jacks & Irvine, 74 New Montgomery St. \$4600

MARKET

(1357) N CHESTNUT 166 W Mal-lorca; one-story class C market.

Owner—R. J. Romey.
Plans by I. Goldstein, 401 30th St. \$10,000

DWELLING

(1358) W 21st AVE. 300 N Judah St.; one-story and basement frame dwelling.

Owner—H. Christensen, 1422 27th Ave.
Plans by Owner. \$4000

OFFICES & STORES
(1359) N CHESTNUT 220 W Mallorca
Way; two-story reinforced concrete
offices and stores.

Owner—G. F. Daniels, 2086 Chestnut
Street.
Plans by Owner. \$7000

ALTERATIONS
(1360) 2335 PINE ST.; alterations to
laundry.

Owner—M. J. Mehegan, 2347 Pine St.
Architect—Not Given.
Contractor—E. C. Stroth, 469 14th St.
\$2000

DWELLING

(1361) W 21st AVE 325 N Judah St.;
one-story and basement frame
dwelling.

Owner—H. Christensen, 1422 27th Ave.
Plans by Owner. \$3500

LAUNDRY & DWELLING

(1362) 104 LELAND AVE.; two-story
and basement frame laundry and
dwelling.

Owner—Mr. and Mrs. O. Padeprade,
104 Leland Ave.
Plans by Contractor.
Contractor—F. M. Kimball, 3730 20th
Street. \$6500

ALTERATIONS

(1363) 371 THIRD ST.; alterations to
flats.

Owner—E. Appelblom.
Architect—Not Given.
Contractor—R. Granz, 1811 Market St.
\$1000

DWELLING

(1364) E 23rd AVE. 125 S Kirkham;
one-story and basement frame
dwelling.

Owner—R. A. Helgesson, 1283 16th
Avenue.
Architect—Not Given.
Contractor—California Concrete Co.,
1632 Steiner St. \$3250

DWELLING

(1365) NE OCEAN AND SANTA ANA
Aves. Two-story and basement
frame dwelling.

Owner—Castle Bldg. Co., 830 Market
St., San Francisco.
Plans by J. H. Vore, Oakland.
Contractor—A. J. Herzog, 625 Victoria
St., San Francisco. \$6000

DWELLING

(1366) EW THOMAS 225 NE Jen-
nings. One-story and basement
frame dwelling.

Owner—L. Barone, 358 Vallejo St., San
Francisco.
Architect—Not Given.
Contractor—V. Bjorkman, 3579 Mission
St., San Francisco. \$3500

DWELLING

(1367) W TWENTY-FOURTH AVE
50 South Santiago. One-story and
basement and airplane deck frame
dwelling.

Owner—L. L. Berger, 136-A Belvedere
St., San Francisco.
Plans by Owner. \$3500

DWELLINGS

(1368) W BOWDOIN 38 N Silver Ave.
Two 1-story and basement frame
dwellings.

Owner—Heyman Bros., 742 Market
St., San Francisco.
Plans by Owner. \$3500 each

FLATS

(1369) S BEACH 155 E Fillmore St.
Three two-story and basement
frame (2) flats.

Owner—M. P. Jorgensen, 225 North
Point St., San Francisco.
Plans by L. O. Ebbetts, 1127 Hearst
Bldg., San Francisco. each \$8000

DWELLINGS

(1370) E 34th AVE. 95 N Wawona;
two 1-story frame dwellings.

Owner—H. W. Petersen, 912 Geneva
Avenue.
Architect—Not Given. each \$4000

DWELLING & LAUNDRY

(1371) 104 LELAND AVE.; two-story
and basement frame dwelling and
laundry.

Owner—Mr. and Mrs. C. Pedeprade,
104 Leland Ave.
Plans by Contractor.
Contractor—Fred M. Kimball, 3730
20th St. \$6500

DWELLING

(1372) S VICENTE 90 W 31st Ave.;
one-story and basement frame
dwelling.

Owner and Builder—Stoneson Bros. &
Thorinson, 279 Yerba Buena Ave.
Architect—Not Given. \$3500

DWELLING

(1373) E MARGARET 350 N Lake-
view; 2-story and basement frame
dwelling.

Owner—Ewald Erickson, 514 Miramar
Avenue.
Plans by Owner. \$4000

DWELLING

(1374) SW COR. VICENTE ST and
31st Ave.; one-story and basement
frame dwelling.

Owner and Builder—Stoneson Bros. &
Thorinson, 279 Yerba Buena Ave.
Architect—Not Given. \$4000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
190	Kiadas	Zinkand	9336
191	Wissman	Stein	3690
192	Devincenzi	Murer	16789
193	Same	Sasso	3366
194	Same	Unger	892
195	Same	Macchetto	1285
196	CONVENT	Pollia	18498
197	McCarthy	Meyer	4000
198	Same	Meyer	4000
200	Leary	Phelan	4800
201	Fries	Jacks	4300
202	Tadwick	Fletcher	2688

BUILDING

(190) N 22nd AVE N Geary St.; all
work on two-story and basement
frame building.

Owner—J. and W. Kiadas, 5816 Geary
Street.
Architect—Geo. E. Ralph, 110 Sutter
Street.

Contractor—E. Zinkand & Son, 667
36th Avenue.

Filed and Dated, Sept. 10, 1931.
10th of each month..... 75%
35 days after completion..... 25%

TOTAL COST, \$9,336
Bond, \$4,668. Sureties, C. Seeley and
C. R. Petar. Limit, 90 days. Plans
and Spec. filed.

STORE

(191) SW 33rd AVE. and Balboa W
32-6 x S 100; all work on one-story
frame store building.

Owner—Harry Wissman, 3040 Geary
Street.
Architect—Not Given.

Contractor—A. H. Stein and Philip
Krieg, 784 20th Ave.

Filed Sept. 11, '31. Dated Sept. 10, '31.
When roof installed..... \$922.50
Plastering completed..... 922.50
Completed and accepted..... 922.50
Usual 35 days..... 922.50

TOTAL COST, \$3,690.00

Limit, 60 days.

BUILDING

(192) SW COR. JONES AND UNION
Sts.; all work on three-story and
basement frame building.

Owner—Giovanni Devincenzi.

Architect—J. Zanolini, 604 Montgomery
Street.

Contractor—L. Murer, 1815 Mason St.
Filed Sept. 11, '31. Dated Sept. 2, '31.

When roof on..... \$4,197.25
Brown coated..... 4,197.25
Completed and accepted..... 4,197.25
Usual 35 days..... 4,197.25

TOTAL COST, \$16,789.00

Bond, \$16,789. Sureties, Central West.
Casualty Co. Limit, 90 days. Plans
and Spec. filed.

(193) PLUMBING & HEATING ON

Above.
Contractor—Frank Sasso, 3137 Scott
Street.

Filed Sept. 11, '31. Dated Sept. 2, '31.
Plumbing & heating comp..... \$1,262.25
All work comp. & accepted..... 1,262.25
Usual 35 days..... 841.50

TOTAL COST, \$3,366.00

Limit, 90 days. Plans and Spec. filed.

(194) ELECTRICAL WORK on the

above.
Contractor—J. Unger.

Filed Sept. 11, '31. Dated Sept. 2, '31.
Conduit and wiring in..... \$335
Completed and accepted..... 334
Usual 35 days..... 223

TOTAL COST, \$892

Limit, 90 days. Plans and Spec. filed.

(195) PAINTING ON ABOVE.

Contractor—S. Macchetto.
Filed Sept. 11, '31. Dated Sept. 2, '31.

Second coat completed..... \$482
Finished and accepted..... 482
Usual 35 days..... 321

TOTAL COST, \$1,285

Limit, 90 days. Plans and Spec. filed.

HOME

(196) E CAMBRIDGE S Felton; la-
bor and materials for construction
of the Home of Good Shepherd, to
be furnished by contractor.

Owner—Convent of Good Shepherd.
Architect—H. A. Minton, 525 Market
Street.

Contractor—A. A. Pollia, 401 14th Ave.
Filed Sept. 11, '31. Dated Aug. 26, '31.

Payments as per general conditions
of the specifications.

TOTAL COST, \$18,498.00

Bond, \$18,498. Sureties, New Amster-
dam Casualty Co. Forfeit \$50. Limit,
Feb. 1, 1932. Plans and Spec. filed.

DWELLING

(197) LOT 6 BLK 2959 Map No. 4,
Miraloma Park.

Owner—The McCarthy Co. (a corp.).
Architect—Not Given.

Contractor—Meyer Bros., 727 Portola
Drive.

Filed Sept. 11, '31. Dated Aug. 28, '31.
Side and roof sheathing on..... \$1,000
Brown coated..... 1,000
Completed..... 1,000
Usual 35 days..... 1,000

TOTAL COST, \$4,000

Limit, 90 days. Plans and Spec. filed.

DWELLING

(198) LOT 2 BLK 2959 Map No. 4,
Miraloma Park.

Owner—The McCarthy Co. (a corp.).
Architect—Not Given.

Contractor—Meyer Bros., 727 Portola
Drive.

Filed Sept. 11, '31. Dated Aug. 26, '31.
Side and roof sheathing on..... \$1,000
Brown coated..... 1,000
Completed..... 1,000
Usual 35 days..... 1,000

TOTAL COST, \$4,000

Limit, 90 days. Plans and Spec. filed.

199 White Johnson 2367

ADDITIONS

(191) NO. 1628 FILLMORE STREET.
All work for additions and altera-
tions to one-story brick building.

Owner—Robert White Co., 1621 Fill-
more St., San Francisco.

Architect—Crim, Rensing & McGuinness, 488 Pine St., San Francisco.
Contractor—Joel Johnson & Son, 1614 Church St., San Francisco.
Filed Sept. 12, '31. Dated Sept. 12, '31.
Completed and accepted..... 75%
Usual 35 days..... 25%
TOTAL COST, \$2367
Bond, \$1154. Sureties, W. Martin and C. H. Nilson, Limit, 20 days. Forfeited, \$20. Plans and specifications filed.

REMODELING
250 S 24th 100 W Florida S 104 x W 25 x N 104 E to beg; all work for remodeling 2-story frame building.
Owner—Joseph Leary, 2917 24th St.
Architect—G. A. Berger, 309 Valencia.
Contractor—P. J. Phelan, 646 20th Ave.
Filed and Dated Sept. 14, '31.
Rough frame up and building enclosed.....\$1,200
Rough coat of plaster..... 1,200
Completed and accepted..... 1,200
Usual 35 days..... 1,200
TOTAL COST, \$4,800
Bond, \$2,400. Sureties, F. McCormick and J. Smyth. Forfeited \$10 per day. Limit, 75 days. Plans and Spec. filed.

REPAIRS, ETC.
(201) SE PACIFIC AVE. and Steiner St., 2497 Pacific Ave.; repairs, additions and alterations to residence.
Owner—Frank H. Fries.
Architect—S. Hyman and A. Appleton, 68 Post Street.
Contractor—Jacks & Irvine, Inc., 74 New Montgomery St.
Filed Sept. 16, '31. Dated Sept. 11, '31.
Payments on 5th of each month to cover amount paid out by contractors.
Final payments usual 35 days after completion.
TOTAL COST, \$4300
Limit, 40 days. Plans and Spec. filed.

STORE
(202) S TARAVAL 82-6 W 31st Ave.; all work for 1-story frame store.
Owner—Anthony M. Tadwick.
Architect—Not Given.
Contractor—James P. Fletcher, 150 Franklin St.
Filed Sept. 16, '31. Dated Sept. 15, '31.
Roof boards on.....\$672
Brown coated..... 672
Completed..... 672
Usual 35 days..... 672
TOTAL COST, \$2,698
Bond, \$1344. Sureties, The Fidelity & Casualty Co. of New York. Limit, 90 days. Plans and Spec. filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded.....	Accepted.....
Sept 14, 1931—NE REVERE AVE 225 SE Newhall SE 25 x NE 100 Blk 347 map ptn Case Tract. L H Stevenson to whom it may concern.....	September 12, 1931
Sept 14, 1931—E 21st AVE 145 South Noriega S 25 x E 120. A C Johnson to whom it may concern.....	September 11, 1931
Sept. 12, 1931—W SAN BRUNO AVE 25 N Bacon 50x100. V Chaganellis to Louis Canessa and P Fetz.....	Sept. 12, 1931
Sept. 12, 1931—N NORTH POINT 205 E Webster E 25xN 137-6 WA 257. H E Gray to whom it may concern.....	Sept. 11, 1931
Sept 11, 1931—E 16th AVE 50 N Wawona N 25 x E 90. M A and Elizabeth Callagy to whom it may concern.....	September 10, 1931
Sept 11, 1931—SE ALEMANY BLVD where same is intersected by bdy line bet lots 1 and 2 blk 6801 Castle Manor th alge SE bdy line of Alemany Blvd S 70 deg 00 min 30 sec W 25 SE 10 NE 25-244 NW 66-60 to beg ptn lot 2 blk 6801 map Castle Manor.Castle Bldg Co to Henry Horn.....	Sept 5, 1931

Sept 11, 1931—SE ALEMANY Blvd and SW Admiral Ave map Castle Manor SW 25-355 alge SE Alemany Blvd SE 68-007 to NW Camella Ave NE 8-370 NW 25-475 ptn lot 1 blk 6801 Castle Manor. Castle Bldg Co to Henry Horn.....
September 5, 1931
Sept 11, 1931—E 17th AVE 275 S Vicente S 25 x 120; E 17th AVE 275 N Wawona N 25 x 120. Kenneth Evers to whom it may concern.....
September 11, 1931
Sept 11, 1931—W SAN BRUNO AVE 150 N 25x100. David Dellari to Frank Amatore.....
Sept 10, 1931
Sept 11, 1931—W 33rd AVE 100 S Kirkham S 75 x W 120 OL 807. Whitney Inv Co Ltd to Marian Reah Co, Ltd.....
September 11, 1931
Sept 11, 1931—N 26th 150 E S 102. Jeremiah Kelleher to Henry Erickson.....
September 10, 1931
Sept. 15, 1931—SE WAWONA AND Vicente 34 on Wawona by 75 on Vicente Ptn Lot 30 Block 2988-A. Map West Portal Park. S R Anderson to whom it may concern.....
Sept. 14, 1931
Sept. 15, 1931—S STATES 690 — Castro No 121 States St. Charles Einfield to whom it may concern.....
Sept. 15, 1931
Sept. 10, 1931—LOTS 5 AND 6 BLK 2905-A Map Sub No. 7, Mirafloza Park. The McCarthy Co to Meyer Bros.....
Sept. 4, 1931
Sept. 10, 1931—E WEISE PLACE 100 N 16th, 60 ft frontage by 30 depth. T F Denman to F Neal of the Sterling Constr Co.Aug. 29, 1931
Aug. 10, 1931—LOT 20 BLK 3254. Map Balboa Terrace. Russell B Adams to Michael & Bonner.....
July 31, 1931
Sept. 10, 1931—N ARLETA 200 W Rutland 25x100. Joseph & Theresa Perasso to whom it may concern.....
Sept. 10, 1931
Sept. 10, 1931—E VIENNA 125 N France 37-6x100. Joseph and Theresa Perasso to whom it may concern.....
Sept. 10, 1931
Sept 10, 1931—S FLOOD AVE 150 E Foerster. A M Godin to whom it may concern.....
September 10, 1931
Sept 10, 1931—E CAPP 25 N Adair N 25 x E 75 MB 34. A and R Lurina to J Horn.....
Sept 1, 1931
Sept 8 1931—2079 MARKET ST. H and F Klussmann to I W Auburn.....
September 8, 1931
Sept 8, 1931—W 25th AVE 25 North Kirkham. George E Dilling to W G Zupar.....
September 8, 1931

LIENS FILED

SAN FRANCISCO COUNTY

Recorded.....	Amount.....
Sept 14, 1931—S 21st 152-8 W Church W 25 x S 114 M B 90. H Cowell Lime & Cement Co vs A De Mast.....	\$164
Sept 14, 1931—S 21st 152-8 W Church W 25 x S 114 M B 90. Geo Fusch. \$1000; S A Seghieri, A Caccia and P Michell as Bay Concrete Co, \$269.75, vs R M Schaad and A De Mast.....	\$215
Sept 14, 1931—NW BRUSSELS 125 NW Olmstead NW 50 x SW 120 ptn Blk 9 map lands of Paul Tet. W Warren vs W K Rosener.....	\$215
Sept 14, 1931—S GREENWICH 40 E Franklin E 60 x S 79 W 40 N 79 W A 98. J S Guerlin and S I Guerlin as J S Guerlin & Co vs Sarah Schwalbe, Laughlin Const Co, J S Laughlin and Shay & Co, Ltd.....	\$532.91
Sept. 12, 1931—S TWENTY-FIRST 152-8 W Church W 25xS 114 MB 90. W P Fuller & Co, \$36; C E Reinhart Co, \$305.05 vs A De Mast and R M Schaad.....	
Sept. 12, 1931—S GREENWICH 40 E Franklin E 60xS 79 WA 98. 1'	

o Land vs Laughlin Const Co and Chase A Laughlin and Sarah Schwalbe.....\$450
Sept 8, 1931—S GREENWICH 40 E Franklin E 60 x S 79 WA 38 Progress Floor Co vs Laughlin Const Co, C A Laughlin and S Schwalbe.....\$921
Sept 8, 1931—S 21st ST 152-8 x W Church W 25 x S 114. Christenson Lumber Co vs A De Mast and R M Schaad.....\$37.95

BUILDING PERMITS

Alameda County

1056 Noble.....	Vila.....	4750
1057 Russell.....	Lodge.....	1000
1058 Griffith.....	Owner.....	3700
1059 Rawlings.....	Burritt.....	2400
1060 Woodburn.....	Anderson.....	3800
1061 Morrison.....	Lehman.....	5900
1062 James.....	Rose.....	1000
1063 Pfarrang.....	Owner.....	5000
1064 Cross.....	Burkes.....	1000
1065 Anderson.....	Owner.....	3500
1066 Adams.....	Deake.....	4000
1067 Goff.....	Owner.....	4000
1068 Christensen.....	Wonderlite.....	1500
1069 Miller.....	Owner.....	1311
1070 Western.....	Independent.....	4000
1071 Hinch.....	Berg.....	2950
1072 Jones.....	Shapero.....	6000
1073 Higgins.....	Shapero.....	6000
1074 Shapero.....	Shapero.....	1000
1075 Perryman.....	Taylor.....	1500
1076 Miller.....	Weston.....	5200
1077 Windsor.....	Owner.....	6000
1078 Decker.....	Dawson.....	6000
1079 Capital.....	Owner.....	3000
1080 Pacific.....	Wierk.....	1000
1081 Franciscan.....	Cornet.....	2000
1082 Wood.....	Wonderlite.....	2500
1083 Whalen.....	Williamson.....	5000
1084 Wood.....	Wonderlite.....	2000
1085 Perry.....	Foster.....	3250
1086 Pressler.....	Owner.....	3000
1087 Kulberg.....	Kestl.....	4050
1088 Realty.....	Muller.....	2200
1089 Tappen.....	Reese.....	1225
1090 Solari.....	Glanz.....	2250
1091 Klaes.....	Owner.....	1200

RESIDENCE
(1056) NO. 601 SPRUCE ST. BERKELEY. One-story 6-room 1-family frame residence.
Owner—R. E. Noble, 1710 California St., Berkeley.
Architect—Not Given.
Contractor—Joe Vila, 1207 Solano Ave., Albany.....\$4750

DWELLING
(10657) S FIFTY-SEVENTH ST. 261 W Carberry Ave., OAKLAND. One-story 5-room dwelling.
Owner—Tom Russell, 800 Alleen St., Oakland.
Architect—Not Given.
Contractor—C. F. Lodge, 749 Collier Drive, San Leandro.....\$4000

DWELLING
(1058) NO. 1750 EIGHTY-THIRD AVE., OAKLAND. One and one-half-story 6-room dwelling and one-story garage.
Owner—C. W. Griffith, 1427 37th Ave., Oakland.
Architect—Not Given.....\$3700

ALTERATIONS
(1059) NO. 59 LINCOLN AVE., PIEDMONT. Alterations.
Owner—Mrs. Lloyd Rawlings, 59 Lincoln Ave., Piedmont.
Architect—Not Given.
Contractor—O. L. Burritt, 427 63rd St., Oakland.....\$2400

RESIDENCE
(1060) NO. 963 HILLDALE AVE., BERKELEY. One-story 6-room 1-family frame residence.
Owner—Hazel D. Woodburn, 579 Radnor Road, Oakland.

Architect—H. Solcombe, Harrison St., Oakland.

Contractor—C. M. Anderson, 1853 9th Ave., Oakland. \$3800

DWELLING

(1061) 2900 LYMAN RD., OAKLAND; 1½-story 7-room dwelling.

Owner—Geo. R. Morrison, 2264 Ransome Ave., Oakland.

Architect—Not Given.

Contractor—J. Lehman, 959 Appar St., Oakland. \$5900

REPAIRS

(1052) 3219 HERRIOT ST., OAKLAND; fire repairs.

Owner—R. R. James, 3219 Herriot St., Oakland.

Architect—Not Given.

Contractor—A. H. Rose, 478 25th St., Oakland. \$1000

DWELLING

(1063) 562 AILEEN ST., OAKLAND; one-story 5-room dwelling.

Owner and Builder—C. J. Pfrang, 6300 Claremont Ave., Oakland.

Architect—Not Given. \$5000

ALTERATIONS

(1064) 2026 BROADWAY, OAKLAND; alterations.

Owner—R. H. Cross.

Architect—Not Given.

Contractor—C. E. Burks, 4129 Randolph Ave., Oakland. \$1000

DWELLING

(1065) NO. 833 CARMEL AVE., ALBANY. Six-room dwelling.

Owner—C. A. Anderson.

Architect—Not Given. \$3500

DWELLING

(1066) NO. 520 RAMONA AVE., ALBANY. Six-room dwelling.

Owner—D. B. Adams, 1047 Ordway St., Albany.

Architect—Not Given.

Contractor—F. Peake, 1850 Arch St., Berkeley. \$4000

DWELLING

(1067) NO. 916 POMONA AVE., ALBANY. Six-room dwelling.

Owner—W. G. Goff, 2021 Del Norte St., Berkeley.

Architect—Not Given. \$4000

SIGN

(1068) NO. 1625 BROADWAY, OAKLAND. Electric sign.

Owner—Christensen School of Music.

Architect—Not Given.

Contractor—Wonderlite Neon Prod. Corp., 2801 Broadway, Oakland. \$1500

ADDITION

(1069) NO. 1439 SEVENTY-SIXTH AVE., OAKLAND. Addition.

Owner—J. J. Miller, 1439 76th Ave., Oakland.

Architect—Not Given. \$1311

SERVICE STATION

(1070) NO. 2300 SAN PABLO AVE., BERKELEY. Class C service station.

Owner—Western Oil Co., Latham Square Bldg., Oakland.

Architect—Not Given.

Contractor—Independent Iron Works, 1824 Chase St., Oakland. \$4000

RESIDENCE

(1071) NO. 1510 CALIFORNIA ST., BERKELEY. One-story 5-room 1-family frame residence.

Owner—C. M. Hinch, 393 Bellevue Ave., Berkeley.

Architect—Paul Anderson.

Contractor—E. Berg, 629 56th St., Oakland. \$2950

RESIDENCE

(1072) NO. 1152 GRIZZLY PEEK Blvd. BERKELEY. One-story 5-room 1-family frame residence.

Owner—F. Jones, 1849 Arch St., Berkeley.

Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.

Contractor—S. M. Shapero, 1849 Arch St., Berkeley. \$5000

RESIDENCE

(1073) NO. 415 MICHIGAN AVE., BERKELEY. Two-story 6-room 1-family frame residence.

Owner—W. A. Higgins, Alvarado Rd., Berkeley.

Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.

Contractor—S. M. Shapero, 1849 Arch St., Berkeley. \$6000

ALTERATIONS

(1074) NO. 1849 ARCH ST., BERKELEY. Alterations.

Owner—S. M. Shapero.

Architect—Not Given. \$1000

RESIDENCE

(1075) NO. 1332 ALCATRAZ AVE., BERKELEY. One-story 7-room 1-family frame residence.

Owner—A. P. Perryman.

Architect—L. F. Hyde.

Contractor—Taylor & Wells, 1311 66th St., Oakland. \$4500

RESIDENCE

(1076) NO. 1732-34 VIRGINIA ST., BERKELEY. One-story 8-room 2-family frame and stucco residence and garage.

Owner—Mr. and Mrs. T. Miller, 551 21st St., Oakland.

Architect—Not Given.

Contractor—John O. Weston, 1721 Grove St., Berkeley. \$5240

RESIDENCE

(1077) NO. 2515 BUENA VISTA AVE., BERKELEY. One-story 6-room frame and stucco residence and garage.

Owner—George Windsor, 928 Kingston Ave., Piedmont.

Architect—E. L. Synder, 2101 Shattuck Ave., Berkeley. \$6000

RESIDENCE

(1078) NO. 2506 HAWTHORNE TERRACE, BERKELEY. Two-story 6-room frame and stucco residence and garage.

Owner—Miss Josie Decker, Euclid and Hawthorne Aves., Berkeley.

Architect—Wm. Ambrose, 605 Market St., San Francisco.

Contractor—J. Dawson, 1507 Lincoln St., Berkeley. \$6000

ALTERATIONS

(1079) NE ELEVENTH AND BROADWAY, OAKLAND. Alterations.

Owner—Capital Co., Bank of America San Francisco.

Architect—H. Minton, 625 Market St., San Francisco. \$3000

FOUNDATION

(1080) NE FIFTH AND ALICE STS., OAKLAND. Concrete foundation.

Owner—Pacific Freight Line, 1640 18th St., Oakland.

Architect—Not Given.

Contractor—Nick Wierk, 1560 Alice St., Oakland. \$1000

REPAIRS

(1081) NO. 1456 THIRTY-FOURTH ST., OAKLAND. Fire repairs.

Owner—Franciscan Fathers, 1500 34th Ave., Oakland.

Architect—Not Given.

Contractor—Ira W. Coburn, 2048 Market St., San Francisco. \$2000

SIGNS

(1082) SE FOURTEENTH AND HARRISON, OAKLAND. Two roof signs and two electric signs.

Owner—Wood Holding Co., 14th and Harrison Sts., Oakland.

Architect—Not Given.

Contractor—Wonderlite Neon Prods. Co., 2801 Broadway, Oakland. \$2500 each

RESIDENCE

(1083) NO. 140 BROOKSIDE AVE., BERKELEY. One-story 5-room frame and stucco residence and garage.

Owner—Whalen & Hufschmidt, 407 Federal Bldg., Oakland.

Architect—W. W. Dixon, 1844 Fifth Ave., Oakland.

Contractor—E. M. Williamson, 3761 Allendale Ave., Oakland. \$5000

SIGNS

(1084) SE COR. FOURTEENTH AND HARRISON, OAKLAND. Marquee signs.

Owner—Wood Holding Co.

Architect—Not Given.

Contractor—Wonderlite Neon Prods. Co., 2801 Broadway, Oakland. \$2000

ALTERATIONS

(1085) NO. 1532 ARCH ST., BERKELEY. Alterations.

Owner—D. H. Perry.

Architect—Not Given.

Contractor—W. D. Foster & Son, 1645 Coventry Road, Berkeley. \$3250

DWELLING

(1086) W 73rd AVE. 144 S Ney Ave., OAKLAND; 1-story 5-room dwelling.

Owner and Builder—Walter Pressler, 1419 Excelsior Ave., Oakland.

Architect—Not Given. \$3000

DWELLING

(1087) 5551 FLORENCE AVE., OAKLAND; one-story 5-room dwelling and 1-story garage.

Owner—N. A. Kulberg.

Architect—Not Given.

Contractor—David Kestl, 2217 Brown- ing St., Berkeley. \$4050

REPAIRS

(1088) 422 13th STREET, OAKLAND; fire repairs.

Owner—George Realty Co., 421 15th St., Oakland.

Architect—Not Given.

Contractor—F. A. Muller, 805 Syndicate Bldg., Oakland. \$2200

DWELLING

(1089) REAR 1962 AUSEON AVENUE, OAKLAND; 1-story 2-room dwelling.

Owner—R. B. Tappen, 1962 Auseon Ave., Oakland.

Architect—Not Given.

Contractor—T. O. Reese, 2557 63rd Avenue, Oakland. \$1225

DWELLING

(1090) E BRANN ST., 60 N 60th AVE., OAKLAND; 1-story 4-room dwelling.

Owner—Joseph Solari, 6001 60th Ave., Oakland.

Architect—Not Given.

Contractor—Alf. A. Glantz, 432 Michigan Ave., Oakland. \$2250

DWELLING

(1091) 1615 88th AVE., OAKLAND; 1-story 4-room dwelling.

Owner and Builder—Alvera Klaes, 1706 88th Ave., Oakland.

Architect—Not Given. \$1200

BUILDING CONTRACTS

Alameda County

No.	Owner	Contractor	Amt.
141	Russell	Lodge	364
142	Miller	Weston	5240

BUNGALOW

(141) LOT O, Idora Park, Oakland.

All work for 5-room bungalow and garage.
Owner—Thomas and Pauline K. Russell, 6291 Hillekass St., Oakland.
Contractor—C. F. Lodge, 749 Collier St., San Leandro.
Filed Sept. 11, '31. Dated Sept. 10, '31
Frame up.....\$916
Brown coated.....916
When completed.....916
Usual 35 days.....916
TOTAL COST, \$3664
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

BUNGALOW
(142) S VIRGINIA ST. 160 ft. West of Grant St., Berkeley; general construction on one-story duplex bungalow.
Owner—Theodore J. and Harriet M. Miller, 551 21st St., Oakland.
Architect—Not Given.
Contractor—J. O. Weston, 1721 Grove St., Berkeley.
Filed Sept. 14, '31. Dated Sept. 8, '31.
When floor joists are placed.....\$1000
When rafters are up.....1000
1st coat of plaster.....1000
When completed.....1000
Usual 35 days.....1240
TOTAL COST, \$5240
Bond, \$2620. Sureties, Alvin Davis, H. Matheson. Limit, 90 days.

COMPLETION NOTICES

Alameda County

Recorded	Accepted
Sept 15, 1931—LOT 6 BLOCK D, Claremont Woodlands, Oakland. Robert and Gladys Hartford to whom it may concern. Sept. 12, 1931	
Sept 15, 1931—SW TWENTY-THIRD Ave and E 15th Street, Oakland. Oregon and California Amusement Co to Matson-Seabrooke Co; Aladdin Heating Corp; Alfred J Hopper, Sept. 10, 1931	
Sept. 14, 1931—PTN LOT 28, Fruitvale Homestead Association, Oakland. Eureka Mill & Lumber Co to whom it may concern. Sept. 10, 1931	
Sept. 14, 1931—PTN LOT 28, Fruitvale Homestead Association, Oakland. Eureka Mill & Lumber Co to whom it may concern. Sept. 10, 1931	
Sept. 14, 1931—LOT 25 BLK 37, Amended Map of Fairmont Park, Berkeley. J F Hubbard to whom it may concern. Sept. 12, 1931	
Sept. 14, 1931 — NO. 1524 PERNWOOD Drive, Oakland. De Witt C Tichenor to A W Schneek. Sept. 14, 1931	
Sept. 14, 1931—STATE HIGHWAY, bet. Hayward and Dublin, Alameda County. Dept. of Public Works, Division of Highways, State of Calif, to Palo Alto Road Materials Co., Ltd. Sept. 11, 1931	
Sept. 14, 1931—W SEVENTY-FIFTH Ave 73 N Outlook Ave., Oakland. George Holdorff to whom it may concern. Sept. 14, 1931	
Sept. 12, 1931—1359, 1355 and 1353 Ada St., Berkeley. Freda Bening Dexter nee Freda Bening to John L Bredehoff (three completions). Sept. 8, 1931	
Sept 12, 1931—LOT 41 and SW 12-50 ft lot 42, Peralta Avenue Tract, Oakland. Robt E Bartlett to whom it may concern. Sept. 11, 1931	
Sept 12, 1931—957 VENTURA AVE, Albany. A M Addleman to Chas Marietti. Sept. 12, 1931	
Sept 12, 1931—1921 105th AVE, Oakland. James B Grubb to whom it may concern. Sept. 12, 1931	
Sept 11, 1931—LOT 8 BLK 18 Northbrae, Berkeley. Thorvald and Caroline Pedersen to whom it may concern. Sept. 12, 1931	
Sept 11, 1931—LOT 17 BLK G, 25-tudillo Estates, San Leandro. Geo	

W and Florence McAuslane to whom it may concern. Sept. 8, 1931
Sept 11, 1931—LOTS 7 and 9 BLK 17, Daley Seenic Park Tract, Berkeley. Sigma Chapter of Alpha Chi Sigma House Assn to H K Schultz. Sept. 10, 1931
Sept. 10, 1931—LOT 145, St. James Road, Piedmont. Grace M Colvin to C W Leekins. Sept. 2, 1931
Sept. 10, 1931—NW FRUITVALE Ave 100.35 SW of SW line of Lot 3 Blk 8, Fruitvale Gardens, Oakland. C O Peschel to whom it may concern. Sept. 10, 1931
Sept. 10, 1931—NO. 730 TWENTYNINTH St., Oakland. The Oakland Laundry Co to F C Stoltz. Sept. 8, 1931
Sept. 10, 1931—SUBWAY, foot of Seventh St., Oakland. Southern Pacific Co to John F Knapp. Sept. 5, 1931
Sept. 10, 1931—NO. 2819 1/2 VAN Buren Ave, Alameda. Elizabeth B Rounds to A Manuel and Harry A Manuel. Sept. 1, 1931
Sept 8, 1931—LOT 4, Subdiv of Lot 17, University Terrace, Berkeley. Edwin A Cranston to Geo Windsor. Sept. 4, 1931
Sept 8, 1931—111 WARFIELD, Piedmont. George Windsor to Self. Sept. 5, 1931
Sept 8, 1931—LOT 49 and Etr Lot 50 Blk 11, Map No 8 of Regents Park, Albany. Frank A Stokes to whom it may concern. Sept. 5, 1931
Sept 8, 1931—AT HALL, Alameda Co. Southern Pacific Co to Hutchinson Co. August 31, 1931
Sept 8, 1931—NINTH STREET Line, Berkeley. Southern Pacific Co to Hutchinson Company. Aug 31, 1931
Sept 4, 1931—UNIVERSITY Campus, Berkeley. Regents of the University of California to R Brandiein and Co. Sept. 1, 1931

LIENS FILED

Alameda County

Recorded	Amount
Sept 12, 1931—LOT 28 BLK 11, North Cragmont, Berkeley. Thomas F Rigney doing business as The Rigney Tile Co vs Frank H Felt. \$340	
Sept. 10, 1931—NO. 644 CRAGMONT Ave., Oakland. Hager Sash & Door Co vs Frank H Felt. \$260	
Sept 8, 1931—LOT 28 BLK 11, North Cragmont, Berkeley. Berkeley Eldg Materials Co vs Frank H Felt. \$493.88	
Sept 8, 1931—LOT 28 BLK 11, North Cragmont, Berkeley. Roberts Mfg Co vs Frank H and Beulah Felt. \$97.25	

RELEASE OF LIENS

Alameda County

Recorded	Amount
Sept 11, 1931—LOT 20 BLK 12 Lakeshore Sub of Adam's Point Ppty, Oakland. Concealo Fixture Company, Inc to Henry, Axel C and Rachael H Nelson. \$501.40	

Sept 11, 1931—LOT 20 BLK 12 Lakeshore Sub of Adam's Point Ppty, Oakland. E K Wood Lumber Co to Axel C Nelson. \$806.57
Sept 11, 1931—LOT 20 BLK 12 Lakeshore Sub of Adam's Point Ppty, Oakland. Berkeley Building Materials Co to Henry, Axel C and Rachael H Nelson. M Media. \$314.45
Sept 11, 1931—LOT 20 BLK 12 Lakeshore Sub of Adam's Point Ppty, Oakland. Norman Poulsen, \$169; C W Abbott Co, \$118.63; Max Wronski, \$168; Frank Gonsalves, \$55; Bay Cities Asbestos Co, Ltd, \$26, to Axel C Nelson and A M Poulsen
Sept 11, 1931—1720 TRESTLE GLEN Road, Piedmont. G W Lansing to Earnest R Jervis & R F Kyle. \$87.50
Sept 11, 1931—1714 TRESTLE GLEN Road, Piedmont. G W Lansing to Earnest R Jervis & R F Kyle. \$87.50
Sept. 10, 1931—LOTS 10 AND 11 Blk C, Map of the Major Given Tract, Oakland. Hutchinson Co to Edwin J Balwick and William G Jaeger (as Melrose Steel Co); Sam Brenner and Leon Veiss. \$42.63

BUILDING PERMITS

SAN MATEO

STORE building, \$1100; Lots 14 and 15 2721 El Camino Real, San Mateo; owner and contractor, Isamer Mori, 2727 El Camino Real, San Mateo.
GARAGE, \$1000; No. 165 Warren Rd. San Mateo; owner, Dr. Irving S Ingler, Premises.

BUILDING CONTRACTS

SANTA CLARA COUNTY

RESIDENCE
LOTS 8, 9 AND 12 Section N of the Los Altos Country Club Properties Los Altos. All work for two-story frame residence.
Owner—Margaret E. Hammersmith, San Francisco.
Architect—Chas. S. McKenzie, Twohy Bldg., San Jose.
Contractor—W. H. Gibson, 1475 Hamilton Ave., Palo Alto
Filed Sept. 12, '31. Dated Sept. 5, '31.
1st coat of residence erected. \$1612.50
1st coat plaster on.....1612.50
Upon completion.....1612.50
Usual 35 days.....1612.50
TOTAL COST, \$6450.00
Bond, \$3500. Sureties, Steve Anderson and E. H. Gibson. Limit, 90 days from Sept. 5, 1931. Forfeit, none. Plans and specifications filed.

BUILDING PERMITS

REDWOOD CITY

DWELLING, frame, 5-rooms, bath and garage, \$4500; No. 119 King St., Redwood City; owner, Thomas Nelson, 51 Perry St., Redwood City

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

BUILDING PERMITS

SAN JOSE

RESIDENCE, frame, 6-room, \$5000, Riverside St near Blvd, San Jose; owner, Delos Whaley, 1012 Warren St., San Jose, contractor, Geo. S. Kocher, 1030 Asbury St., San Jose.

RESIDENCE, frame, 6-room, \$6000, 16th St. near Margaret St., San Jose; owner, W. M. Moody, 222 N. Third St., San Jose; contractor, E. D. McCormack, 430 N-Fifth St., San Jose.

RESIDENCE, frame, 5-room, \$2500; Twentieth St. near Beach, San Jose; owner, J. B. McCormick, 362 S-20th St., San Jose; contractor, Rader & Altenbach, 483 S-Eighth St., San Jose.

BUILDING PERMITS

PALO ALTO

RESIDENCE and garage, frame and stucco, \$6500; No. 655 Hale St., Palo Alto; owner, John Stephens; contractor, Aro & Okerman, 1160 Fulton St., Palo Alto.

RESIDENCE and garage, frame and stucco, \$4500; No. 670 Cornell St., Palo Alto; owner, Gus. H. Kovins.

RESIDENCE, and garage, frame and stucco, \$4500; No. 350 Hanover St., Palo Alto; owner and contractor, H. G. Reynolds.

BUILDING PERMITS

BURLINGAME

RESIDENCE, \$5000; Lot 16 Blk 1, Vancouvert Ave., Burlingame; owner, W. L. Mitchell, 967 Chula Vista St., Burlingame; contractor, G. W. Williams Co., 315 Primrose St., Burlingame.

MOVE residence, \$1135; from Lot 33 Blk 2, Grove Ave. to Lot 1 Blk 2, Grove Ave., Burlingame; owner, W. C. Keith, 1408 Laguna Ave., Burlingame; contractor, C. E. Fowler, 829 Edgemoor St., Burlingame.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Sept. 8, 1931—LOT 10 BLK 5, Woodside Glens, Elizabeth Ott Palmatst to whom it may concern.....Aug. 8, 1931

Sept. 8, 1931—NW THIRD AVE, San Mateo, Pacific Gas & Elec Co to H H Sorensen Co et al.....August 29, 1931

Sept. 10, 1931—LOT 2 BLK 9, Lyon & Hoag Subd, San Carlos, Chester L Andersen to William Kafkely.....Sept. 8, 1931

Sept. 11, 1931—PART LOT 15 BLK 2 and part Lot 9 Blk 4, Blossom Heath Manor, Castle Bldg Co to Henry Horn.....Sept. 5, 1931

Sept. 11, 1931—LOT 32 BLK 50, Easton, Gordon C Hess to Gordon C Hess.....Sept. 10, 1931

Sept. 12, 1931—PART LOT 2 BLK 4 New High School Acres, David Holder to whom it may concern.....Sept. 12, 1931

Sept. 14, 1931—SKYLINE BLVD., San Mateo, State of California to C L Jordan and Lester Hingsbergen and Lester Hingsbergen (3 completions).....Sept. 11, 1931

Sept. 14, 1931—LOT 9 BLK 25, Millbrae Highlands, Frank C Grisez to whom it may concern.....Sept. 14, 1931

Sept. 14, 1931—LOTS 4 AND 5 BLK 10, Central Park, Eric Standquist to whom it may concern.....Sept. 11, 1931

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
Sept. 10, 1931—LOT 10 BLK 36, Lyon & Hoag Subd, Burlingame, San Mateo Planning Mill Co vs G S Conger et al.....\$193

Sept. 10, 1931—LOT 11 BLK 26, Millbrae Villa Tract, Martin Kassner vs Roy Boulton.....\$178.75

Sept. 10, 1931—LOTS IN BLKS 29, 34, 33, 32, 31 and 30 and certain streets in Millbrae Highlands, N J Garucke et al vs Schultz Constr Co et al.....\$74.25

Sept. 12, 1931—LOT 8 BLK 18, Easton, M E Ryan vs R N Nobles.....\$593

Sept. 12, 1931—LOCATION NOT Given, San Mateo Feed & Fuel Co vs Union League Golf & Country Club (6 months credit from recording date of lien).....

Sept. 14, 1931—LOT 8 BLK 18, San Mateo, O A Anderson vs R N Nobles.....\$1408.75

RELEASE OF LIENS

SAN MATEO COUNTY

Recorder Amount
Sept. 11, 1931—LOT 12 BLK 4, Millbrae Highlands, Burlingame Lumber Co to whom it may concern
YUot cmfwyp shrdlu ;;; xznffiffi

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Sept. 11, 1931—LOT 15 BLK 4, Mt. Hamilton View Park, a part of the original Sullivan Tract, San Jose, H Raymond and Esther I Johnson to C J Curry.....Sept. 11, 1931

Sept. 11, 1931—N VESTAL AVE 140 W 17th St., Part Lots 11 and 12 Blk 11, Vestal Lands, San Jose, W H Lee to W H Lee.....Sept. 11, 1931

Sept. 11, 1931—ON NAGLEE ST., Herbert Hoover Junior High School Site, San Jose, San Jose High School District to Roy Butcher.....Sept. 4, 1931

Sept. 11, 1931—NO. 287 N-SAN Pedro St., Cor. San Pedro and Julian Ets., San Jose, C C Bonn to C Ball.....Sept. 8, 1931

Sept. 12, 1931—E COR, SPRINGER Road and Berry Ave., Los Altos, Alanson C Crow to J W Cabbage and D S Lawson.....Sept. 5, 1931

Sept. 12, 1931—PART LOT 72, Studio Heights, San Jose, Margherita Bruns to whom it may concern.....Sept. 11, 1931

Sept. 5, 1931—LOT 14, Colonial Manor X of Maps 44, William H O'Neil to William H O'Neil.....Sept. 5, 1931

Sept. 8, 1931—LOT 3 BLK 4, Chester B Burton Subd being part of Lot D of Augusta Younger Subd in Pueblo Tract No. 1, Chester B and Melissa L Burton to E E Moore.....Sept. 8, 1931

Sept. 8, 1931—BEING LOT 15 of Leland Stanford Junior University in the County of Santa Clara, being that portion lying W of State Highway and E of r/w of Pen. Railway crossing the Campus, Board of Athletic Control of Stanford University to Wells P Goodenough.....Sept. 4, 1931

Sept. 8, 1931—LOT 40, Glumaz Subd, Mountain View, Howard I and Rachel T Bailey to S Culford.....Sept. 2, 1931

Sept. 10, 1931—LOT 3 BLK 60 Re-sub of Blks 57 and 58 of Resub of Blks 58 and 63 of Seale Addn, Palo

Alto, Map 6, Edgar H Tucker to whom it may concern.....Sept. 8, 1931

Sept. 10, 1931—LOT 10 BLK 76 Sub No 8 Seale Tract, Palo Alto, Eugene L and Mildred L Grant to R C Knight.....September 4, 1931

Sept. 10, 1931—A PTN of LOT 4 BLK 7 Hart & McMillan Sub, Palo Alto, being the NE corner of Forest and High, having a frontage on Forest Ave of 105 and a frontage of 225 on High St, J D Campbell to Self.....September 5, 1931

Sept. 8, 1931—LOT 5 and S 9 ft of lot 4 blk 2N R 7 W Jas A Clayton & Co's Subd, Gilroy, Maitland and Nettie Chappell to W R and J R Howson known as Howson Bros.....September 4, 1931

Sept. 12, 1931—LOT 14 BLK 7, Resurvey and Resubd of Lots 21 to 26 incl Blk 1, etc., Palm Haven U Maps 14-15, San Jose, F O Nelson to whom it may concern.....Sept. 11, 1931

Sept. 14, 1931—LOT 12 BLK 72, Amended Map of Subd No. 8, Seale Tract, Palo Alto, Cleveland Smith to Cleveland Smith.....Sept. 10, 1931

Sept. 14, 1931—N HARRISON ST, 100 W Isabella St, W on Harrison 50 L N 100 L E 50 L S 100 to pre, Santa Clara, Antonio and Maria Sapina to Frank Gardin.....Sept. 12, 1931

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
Sept. 11, 1931—SUBD A OF LOT 76, San Martin Ranch Map 3, San Jose, Hubbard & Carmichael Bros vs Louis and Louise Moglia.....\$417.79

Sept. 5, 1931—LOT 6 Map of Boynton's Subd of Lot 12, Odd Fellows Savings Bank Tract, San Jose, Williams & Russo Jr vs Steve Yakobovich.....\$180.77

Sept. 10, 1931—CENTER LINE OF Latham St 184-84 SE Mariposa SE on Latham St 45 ft SW Mariposa Ave 139-52 NW Latham St 45 NE 139-84 to point of beginning, part Lot 48 Map of Buena Vista Subd joining the town of Mountain View, Albert Stewart vs Jack Reynolds.....\$216

Sept. 14, 1931—NE 1/4 OF SE 1/4 OF Sec 16 Tsp P S R 1 W M D B. & M, D S Scott vs Meta S Berger.....\$300

BUILDING CONTRACTS

MARIN COUNTY

ALTERATIONS
SAN RAFAEL, All work for alterations and additions to office building.
Owner—The Independent Publishing Co., Premises.
Architect—N. W. Sexton, deYoung Bldg., San Francisco.
Contractor—Dominic Ferrero, 31 Belle Ave., San Rafael.
Filed.....Dated Sept. 10, '31.
On 10th of each month.....75%
TOTAL COST, \$6500
Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
FOURTH ST., San Rafael. All work for alterations and remodeling building.
Owner—I. L. Schwartz, Fourth St., San Rafael.
Architect—Not Given.
Contractor—M. H. Vanderbilt, 595 4th St., San Rafael.
Filed Sept. 14, '31. Dated.....
Partitions moved.....\$1079
Celotex sheeting applied.....1079
When completed.....1079

Usual 35 days..... 1079
TOTAL COST, \$4316
Bond, none. Limit, 6 weeks. Forfeit,
plans and specifications, none.

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted
Sept. 3, 1931—SAUSALITO, Harold
J Baxter to L H Cox.....Sept. 2, 1931
Sept. 4, 1931—SAN ANSELMO, A R
Roumiguierre to whom it may
concern.....Sept. 4, 1931
Sept. 8, 1931—SAN ANSELMO, J
G Guard to whom it may concern
.....Sept. 8, 1931
Sept. 10, 1931—SAN ANSELMO,
Albert H and Mabel Siemer to
whom it may concern.....Sept. 8, 1931

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted
Sept. 11, 1931—SAUSALITO, Andrew
P Hall to Andrew Anderson
.....Sept. 5, 1931

RELEASE OF LIENS

MARIN COUNTY

Recorded Amount
Sept. —, 1931—FAIRFAX, Hess
Electric to E R Evanow.....\$24.50

LIENS FILED

MARIN COUNTY

Recorded Amount
Aug. 8, 1931—LINCOLN PARK, San
Anselmo, Manuel E Soares vs
Marvin W Miller.....\$69.80

BUILDING CONTRACTS

CONTRA COSTA COUNTY

PEWS
SAN PABLO. All work for erecting
and installing pews in St. Paul's
Church.
Owner—The Roman Catholic Arch-
bishop of San Francisco, 1100
Franklin St., San Francisco.
Architect—John J. Foley, 770 5th Ave.,
San Francisco.
Contractor—Bay City Cabinet Co.,
1076 Fifth St., Oakland.
Filed Sept. 12, '31. Dated Aug. 24, '31.
Pews finished and fitted in place
.....\$1942.50
Usual 35 days.....\$142.50
TOTAL COST, \$2590.00
Bond, limit, forfeit, none. Plans and
specifications filed.

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded Accepted
Sept. 11, 1931—LOTS 1 AND 2 BLK
17, Map No. 3 Portion of Parkside
Addition and Racetrack Sub., San
Jose. Wm M and Leslie Hayes
Abbott to M S Hogan.....Sept. 9, 1931
Sept. 11, 1931—AVON, Associated
Oil Co to E S Badger & Sons Co
.....Sept. 3, 1931
Sept. 12, 1931—LOTS 31 AND 32
Blk 7, Amended City of Richmond.
Sadie A Goodrich to Bay City As-
bestos Co, Inc. Sept. 10, 1931
Sept. 10, 1931—LOT 2 BLK 228, Cen-
tral Addn to Pittsburg. Robert A
and Ella M Campbell to Charles
Isaacson.....September 8, 1931

LIENS FILED

CONTRA COSTA COUNTY

Recorded Amount
Sept. 8, 1931—LOT 2 BLK 2, Pitts-
burg Home Acres, Miller Materials
Co vs George Lynn; Mamie Lynn
and V A Peters.....\$19.20
Sept. 8, 1931—LOT 2 BLK 2, Pitts-
burg Home Acres, G L Tyler vs
George Lynn and Community
Builders, Inc.....\$349
Sept. 10, 1931—LOT 6 BLK 56, Town
of Antioch. Frank Dragond vs Mat-
teo and Nettie Farnacca.....\$712

BUILDING CONTRACTS

MONTEREY COUNTY

ALTERATIONS
CARMELO STREET near 11th Street,
Carmel; alterations and repairs to
dwelling.
Owner—Alice S. Blaird, Carmel.
Architect—Not Given.
Contractor—Ernest S. Bixler, Carmel.
Filed Sept. 10, '31. Dated Sept. 8, '31.
When work is started.....\$250
When plaster is finished.....500
When work is completed.....200
Usual 35 days.....\$99.50
TOTAL COST, \$1049.50
Limit, Oct. 15, 1931.

LIENS FILED

MONTEREY COUNTY

Recorded Amount
Sept. 8, 1931—PART of the SAUSAL
Ranch north line of Sausal Street
with the east line of Front St, Sa-
linas City. Salinas Valley Con-
crete Pipe Co vs Salinas Valley
Ice Co, E M Vail, Frank Myers,
California Dehydrate Plant.....\$40.18
Aug. 31, 1931—SOUTH 127th FT of
Lot E all of Lot C and the north
4th of Lot D in Blk 2, Riker's Add
to Salinas City. L F Roth, Uni-
versal Const Co vs Mrs J E Mc-
Dougall also known as Mattie Mc-
Dougall.....\$798.22

BUILDING PERMITS

STOCKTON

DWELLING, brick veneer, five-room
and garage, \$6000; No. 5 East
Pine St., Stockton; owner, M. L.
Cline; architect, Davis - Pearce
Co., 47 N-Grant St., Stockton.
DWELLING, rustic, five-room and
garage, \$3000; No. 921 W-Poplar
St., Stockton; owner, Robert
Wagner, Bank of America Bldg.,
Stockton.
REPAIR fire damage, \$1975; No. 11 S.
California St., Stockton; owner,
William F. Kuhn, Premises; con-
tractor, Lewis & Green, Sacra-
mento and Miner, Sts., Stockton.
DWELLING, 2-story (4) flat and ga-
rage, \$10,000; No. 1503-09 N. Ed-
ison St., Stockton; owner, H. H.
Becker, 329 E. Cleveland St.,
Stockton.
REMODEL store, \$3000; No. 48 South
Sutter St., Stockton; owner, Pac-
ific States Bldg. & Loan Co., Prem.
contractor, J. A. Allen.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
Sept. 12, 1931 — VICTORY PARK,
Stockton. San Joaquin Pioneer &
Historical Society to Louis Brandt
(heating and ventilating).....
.....Sept. 10, 1931
Sept. 15, 1931—LOT 1 BLK 10, Lake
Park. I F Stein to E Merle
.....Sept. 14, 1931

BUILDING PERMITS

SACRAMENTO

HOUSE, 5-room and garage, \$4000.
No. 1591 35th St., Sacramento,
owner and contractor, A. Carloss-
cell, Nevada City, Calif.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Sept. 5, 1931—LOT 16, Land Drive
Terrace, Sacramento. Jessie Woods
King to whom it may concern.....
.....Sept. —, 1931
Sept. 5, 1931—LOT 14, East Terrace
Addition to City of Sacramento.
Andrew B White to whom it may
concern.....August 28, 1931
Sept. 5, 1931—LOT 1 BLK O, P, 11th
and 12th Sts., Sacramento. Chas
W Heyer Jr to whom it may concern
.....August 28, 1931

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
Sept. 5, 1931—S 10 Acres, W 1/2 of
NW 1/4 of SE 1/4 and N 45 acres
W 1/2 of SW 1/4 of SE 1/4 of Sec.
26, Sacramento. D A Williamson
vs Birdie R Bradford.....\$331.33

BUILDING PERMITS

FRESNO

DWELLING and garage, \$4000; No.
3139 Van Ness Blvd., Fresno; own-
er, A. R. Eklund, 1332 Andrews
St., Fresno.
DWELLING and garage, \$3950; No.
1016 Poplar Ave., Fresno; owner,
and contractor, Taylor - Wheeler,
Inc., Power Co. Bldg., Fresno.
RESIDENCE, frame and stucco, \$14-
000; No. 447 Terrace Ave., Fresno;
owner and contractor, Taylor-
Wheeler, Inc., Power Co. Building,
Fresno.

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Sept. 14, 1931—LOTS 10 AND 11
Blk 8, La Sierra Terrace, Fresno.
A Gassmann to whom it may concern
.....Sept. 14, 1931
Recorded Accepted
Sept. 10, 1931—LOT 250, F, G, F, G
Sub No. 1, Fresno. A E Culbert-
son to W H Richmond.....Sept. 8, 1931
Sept. 10, 1931—LOT 5 BLK 1, Blvd
Gardens, Fresno. W T Harris to
whom it may concern.....
.....Sept. 9, 1931
Sept. 11, 1931 — LOTS 54 AND 55,
Stivers Terrace No. 3, Fresno.
Walter S Kaser and 11 S Kaser
to whom it may concern.....
.....Sept. 4, 1931
Sept. 12, 1931—FIREBAUGH, CAL.
Firebaugh Grammar School to
Clyde D Jones.....Sept. 11, 1931
Sept. 12, 1931—LOTS 10 AND 11,
Pauls Gardens, Fresno. H C
Offutt to whom it may concern
.....Sept. 10, 1931

LIENS FILED

FRESNO COUNTY

Recorded Amount
Sept. 11, 1931—S 70 Acres SE 1/4
Section 26, 20-14, Fresno. Stand-
ard Pipe & Supply Co vs San
Juan Oil Co et al.....\$1372

ENGINEERING SOCIETIES EMPLOYMENT SERVICE

Further information regarding positions listed in this column is obtainable from Newton D. Cook, Room 715, 87 Post Street, San Francisco. (Phone SUTTER 1684).

R-3655-S SALES ENGINEER. Preferably mechanical, experienced selling machinery in San Francisco Bay area, to take over several good lines on commission. The principal party is mainly interested in chemical sales and requires an engineer to balance the organization. Location, San Francisco.

R-3657-S HYDRAULIC ENGINEER. competent to design deep well turbine centrifugal pumps. Must be up-to-date in theory and practice as position requires a chief engineer. Apply by letter with experience and salary expected. Location, Northern California.

R-3628-S INDUSTRIAL ENGINEER. technical graduate, 30-40 years of age, with a good record of industrial manufacturing experience, part of which must have been in executive capacity. Must have time study experience and be qualified to make industrial surveys, establish wage incentive payment plans and increase operating efficiency. Salary, \$4000-\$5000 a year. Apply by letter with photo. Location, San Francisco.

R-3657-S ENGINEER, mechanical, not over 35 years, with steam power plant operating experience and some technical education, for inspection of boilers, elevators and power plant equipment. Starting salary, \$150-\$175 month. Apply by letter with photo. Headquarters, San Francisco.

W-3038-C-S (K-378) MECHANICAL ENGINEER to be in charge of operation, maintenance of mills, etc., in sugar plants. Must have had tropical experience in work of this kind. Salary \$4200 a year and board and transportation. Apply only by letter. Location, South America. Headquarters, New York.

W-3039-C-S (K-380) CHIEF CHEMIST for sugar plant, to take charge of field and factory laboratory. Man experienced in agricultural chemistry as well as plant control preferred. Salary, \$300 a month and board and transportation. Apply only by letter. Location, South America. Headquarters, New York.

W-3095-C-S (K-381) MINING ENGINEERS to sub-lease part of gold concession in Peru controlled by American mining engineer. One or two men working together would have to provide own capital (at least \$5000 each), pay royalties to government of 10-15% and to concessionaire, latter amount to be negotiated; also provide equipment and operate as their own claims. District said to be rich in gold. High altitude and healthy. Apply by letter.

BUSINESS OPPORTUNITIES

Names and addresses of persons or firms concerned in the following opportunities will be furnished on request to Business Opportunity Department, Daily Pacific Builder, 547 Mission St., San Francisco, or phone GARfield 7444.

21368—Garage and Service Station Equipment. San Francisco. Party wishes to contact manufacturers of garage and service station equipment, including high pressure car washing machines. Catalogues requested.

21370—Representation. San Francisco. Party leaving the middle of September for Europe wishes to represent

local manufacturers there.

21371—Saturating Machine. San Francisco. Italian manufacturers of a saturating machine for the production of aerated waters wish to make some California connection for the sale of these machines in their entirety or enter a combine so that only the patented parts need be imported.

21375—Austrian Commodities. San Francisco. A member of the Board of the Vienna Chamber of Commerce will visit San Francisco about October 30 to interview members interested in trade with Austria.

H. I. Larson, Sales Manager, The Permanent Manufacturing Corporation Ninth-Vincent Bldg., Cleveland, Ohio. Manufacturers of patented electrical appliance that sells to department store, drug store, tobacco store, furniture store, wishes to secure salesmen or manufacturing agents for representation in this district.

H. R. Burns, Treasurer, E. Reed Burns Manufacturing Corp., 21 Jackson St., Brooklyn, N. Y., manufacturers of buffs and polishing compounds, wish to contact salesmen.

S. C. McMurray, The MacMurray Co. 2475 Porter St., Los Angeles, Calif., has facilities to act as manufacturers' agent for local concern.

D-3903C, F. Finkbner, Durant-Irvine Co., Ltd., P. O. Box 2755, Honolulu, Hawaii, now in plumbing, heating, sheet metal work, wish to secure agency for rubber hose in Honolulu.

MISCELLANEOUS SUPPLIES AND MATERIALS

OAKLAND, Alameda Co., Cal.—Until Sept. 23, 8 P. M., bids will be received by John H. Kinball, Secretary, East Bay Municipal Utility District, 512 16th St., to furnish 50 tons of pig lead.

OAKLAND, Calif.—A 1% reduction Sales Co., 35 Natoma St., San Francisco, at \$1.10 per 100 cu. ft. for oxy-

gen and \$2.50 per 100 cu. ft. for acetylene gas and Lindy Air Products Co., San Francisco, submitted identical bids to East Bay Municipal Utility District involving 100,000 cu. ft. of oxygen and 50,000 cu. ft. of acetylene gas.

VALLEJO, Solano Co., Cal.—Until October 6, 4 P. M., bids will be received by Elmer L. Cave, secretary of the board of education, for furnishing fuel oil for the following school for the school year 1921-1932:

McKinley, Bay Terrace, Lincoln and Senior High Schools approximately 25,000 gallons of commercial fuel oil, gravity baume not less than 16.

Charles F. Curry, Roosevelt and Grant Schools approximately 12,000 gallons Diesel fuel oil, gravity baume not less than 26.

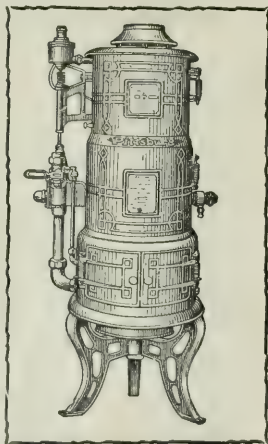
Bids must include servicing oil burners and rebricking fire boxes.

NEW WAGE SCALE ADOPTED AT MENLO

The city council of Menlo Park, San Mateo County, has adopted the wage scale presented by the San Mateo County Building Trades' Council, to apply on all public works construction. The scale follows:

Cement finisher	\$3.00
Crane operator	3.00
Bricklayer	8.00
Bricklayers' helper	5.00
Carpenter, form setter	8.00
Carpenters' helper	5.00
Common laborer	4.00
Cement laborer	5.00
Pipe layer, plumber or pipe fitter	8.00
Helpers to the above	4.00
Steam roller operator	9.00
Steam shovel operator	9.00
Tractor operator	6.50
Truck driver	6.00
Watchman	5.00

Supervising foremen will receive \$1 more per day than the wage scale for the class of work over which they are supervisor.



A "Pittsburg" Automatic Water Heater installed in the Home indicates high quality throughout.

Recommended and specified by all the leading architects, plumbers and builders.

Consider the high merit of the Pittsburg coupled with "Pittsburg Perfect Service."

"Hot water quick as a wink."

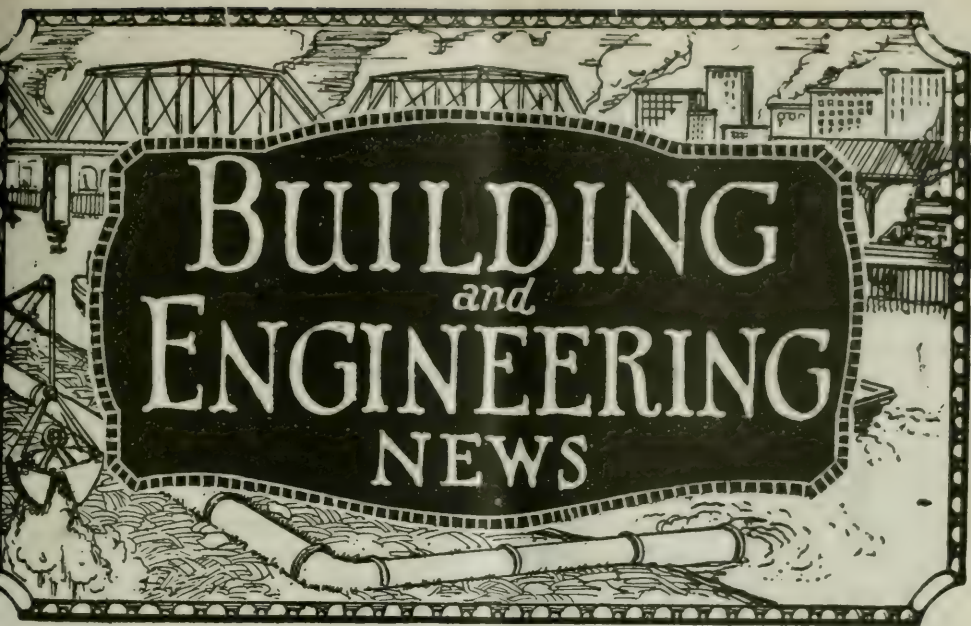
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478 Sutter St., San Francisco

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Publication Office
547 Mission Street

SAN FRANCISCO, CALIF., SEPTEMBER 26, 1931

Published Every Saturday
Thirty-fifth Year, No. 39

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ORGANIZED LABOR TO TEST WAGE BILL

Indications that organized labor in the San Francisco Bay District may test the application of the so-called prevailing of wage bill were given, following a meeting of the San Francisco Labor Council last Friday night.

The bill, passed at the last session of the Legislature, provides that contractor for public construction works must pay the wage scale prevailing in the locality in which the work is done. Assistant City Attorney Henry Heidelberg said the state is empowered to enforce this law in county projects, but that it does not affect chartered cities.

"San Francisco feels that it should be able to extend its prevailing wage to construction works outside the district, like the Hetch Hetchy project, where otherwise a lower scale would obtain," he said.

"In southern California the same argument is advanced, but for a different reason. There they want reduced wages."

Michael Casey, international vice-president of the Teamsters' Union, pointed out that the Santa Cruz county supervisors recently set a "miserably low wage" to be paid on highway construction work. Doubt as to the constitutionality of their move was expressed by Heidelberg.

"The prevailing wage bill should be an excellent thing for most of the state," Heidelberg said.

"But by exercising its powers as a chartered city, San Francisco should be able to maintain even a higher wage than it could under state auspices."

City attorneys of California are determined to resist state encroachments on the powers of chartered cities, Heidelberg said.

The state law forbidding employment of aliens on public construction works will be observed strictly under the new charter, he said.

L. A. COUNTY WILL BEAUTIFY BOULEVARDS

Beautification of 28 major boulevards in Los Angeles and vicinity is announced by the Division of Forestry of the Los Angeles County Park Department.

The program calls for the planting of 26,135 trees within the next three months, which will mean the beautification of nearly every main thoroughfare leading into the metropolis. In this connection, it is pointed out by the Automobile Club of Southern California, that now is the time to begin planning beautification on the part of all cities in the state, for 1932 Olympic Game visitors. Tens of thousands of these will come from Europe, where highway beautification is made a study.

\$11 Prevailing Wage— \$7.20 Generally Paid

Despite the ruling of Secretary of Labor Doak that the union scale of \$11 per day for painters is the "prevailing wage" in Washington, D. C., the contractors on the New internal revenue building, Alliance Construction Company of New York, are going forward with the work paying \$8 per day, which they say is 80 cents per day more than is generally paid to painters in the national capital. Officials of the construction company have intimated they would go to court rather than accede to the Secretary of Labor's ruling.

The Davis-Bacon Act which provides that the prevailing rate of wages in the locality where the work is located shall be paid on all public building construction, makes the Secretary of Labor final arbiter in event the contracting authorities fail to determine the "prevailing wage."

FOREIGN LABOR ON STATE HIGHWAY JOB UNDER INVESTIGATION

Charges that Basich Brothers of Torrance, Calif., highway contractors, engaged in the reconstruction of the Folsom Boulevard in Sacramento County, are employing other than California citizens on the work—while many citizens are denied employment—have been ordered investigated by James I. Herz, deputy state director of public works.

Herz said one complaint reaching him to the effect Austrians were being employed on the job. He also was informed of complaints that Basich Brothers were employing Slavonians and Mexicans in preference to American-born citizens.

Though this work was placed under contract in May, or before new legislation requiring employers to hire only American labor became effective, the contract contains the special provision that:

"Other conditions being equal, the contractor shall employ citizens of the State of California if available, with the exception of employees holding supervisory positions."

The prohibition of alien workmen on public projects, as ordered under the recent legislative enactment does not apply to workmen employed on public works started before the bill became law last August 14, Attorney-General U. S. Webb rules.

Webb's ruling was in answer to questions of Attorney Arthur L. Johnson of the division of labor statistics and law enforcement, who asserted contractors would stand heavy losses if changes in personnel were necessitated on jobs started before the prohibition became law.

General Contractors Support Industrial Assn. Wage Stand

The General Contractors of San Francisco, Inc., will do everything in its power to maintain wage scales in the building industry for the current year, as specified by the Impartial Wage Board, it was announced last Saturday by A. H. Bergstrom, president of the contractors' organization.

Bergstrom's statement is published herewith:

"The General Contractors of San Francisco, Inc., reiterates its pledge to do everything within its power to maintain the Impartial Wage Board's scale for the year 1931, and they endorse and support the position which the Industrial Association has announced that it will as soon as possible, convene a Wage Board to give consideration to the question of building trades wages, commencing January 1st, 1932."

Boynton Lauds Action

Albert E. Boynton, managing director of the Industrial Association, upon being advised of the action of the general contractors, declared:

"The action of the General Contractors of San Francisco, Inc., which organization is composed exclusively of general contractors handling large building projects, in endorsing the policy of the Industrial Association, in the matter of enforcement of the Impartial Wage Scale for the balance of the year 1931, is in line with the progressive thought of the community and represents the collective sentiment of a group vitally concerned in the building business.

"In accordance with its previous statement the Industrial Association is proceeding to set up a new wage scale to consider the question of wages in the building trades commencing January 1, 1932."

STATE LABOR BODY ELECTS OFFICERS

A. W. Hoch of Los Angeles, was elected president of the California State Federation of Labor without opposition, at the annual convention in Santa Barbara last Thursday.

Other officers elected were E. H. Nelson, San Diego, first district vice president; Ray Gilston, Long Beach, and Clyde Isgrig, San Bernardino, second district; Jas. Matthews, Santa Barbara, third district; H. R. Snow, Fresno, fourth district; C. C. Nullally, Modesto, fifth district; Ross Mantlin, San Jose, sixth district; Geo. Durant, Oakland, seventh district; Mrs. Elma Smith, Napa, eighth district; Charles W. Childs, J. E. Hopkins and W. L. Noriega, all of San Francisco, ninth district; George Stockel, Sacramento, tenth district; Paul Scharrenburg, secretary, and Eddie McLaughlin, delegate to the American Federation of Labor convention.

STOCKHOLDERS' LIABILITY IS ABOLISHED BY NEW CORPORATION LAW-IMPORTANT CHANGES CITED

(By Glen Behymer, Attorney for Building Material Dealers Credit Association of Los Angeles, in the Southwest Builder and Contractor)

The general Corporation Law of the State of California has been rewritten by the 1931 Legislature. Sections 283 to 413 of the Civil Code were repealed, along with Sections 1227 to 1235, inclusive, of the Code of Civil Procedure, and in lieu thereof the Legislature enacted new Sections 277 to 413, inclusive.

As a result of the redrafting of the General Corporation Laws of the State of California, we find that some very important changes have occurred.

Stockholders' Liability

Stockholders proportionate liability for corporate debts has been entirely eliminated, so far as corporations formed under the new law are concerned. The use of the word "Limited" or the abbreviation "Ltd.," as part of the corporate name, in order to avoid such liability, is now unnecessary.

This result has been brought about by the repeal of Section 3 of Article XII of the State Constitution by an amendment adopted by popular vote, in November, 1930, known as Senate Constitutional Amendment 24, and by the repeal by the 1931 Legislature of Section 322 and 322a of the Civil Code. This abolishment of Stockholders' Liability is not retroactive. Existing liability is apparently retained.

Former Section 404 of the Civil Code has been rewritten as Section 280, and contains the provision that: "This title of the Civil Code or any chapter or section thereof, may at any time be amended or repealed. Neither the enactment of this title nor the amendment or repeal thereof, nor of any statute affecting corporations, shall take away or impair any liability or cause of action existing or incurred against any corporation, its shareholders, directors or officers."

This same provision in substance is contained in the preamble of the statute enacting the general corporation law of 1931, which preamble (see Statutes 1931, chapter 862) contains the provision: "The repeal effected by this act shall not affect the existence of any corporation formed, nor impair or take away any existing cause of action against any corporation, its stockholders, directors or officers, for any liability incurred prior to the time when this act shall go into effect."

Also, an indicative of the retention of the old liability, where the same exists under the former law, is the fact that the liability for debts incurred prior to the enactment of the new statute, is the provision in new Section 322a for subrogation, which reads as follows:

"322a. Subrogation of Shareholders. Any shareholder who because of his proportionate stockholder's liability under statutes heretofore in effect and not in discharge of his obligation to pay the full consideration agreed to be paid for his shares, has heretofore made or shall hereafter make any payment in discharge in whole or in part of any debt or liability of the corporation shall be subrogated to the extent of such payment to the claim of the creditor against the corporation."

Corporate Structure Liberalized

Probably the most important change is in those features of the Act which permit almost any kind of stock structure to be erected with respect to a

corporation organized under the new law.

Section 294 of the new Act permit corporations with capital stock, to issue one or more classes, series or kinds of shares, any of which classes may be with or without par value, or of different par value for different classes and with full, limited or no voting rights, and with any possible desired schedule of preferences, conversion rights or special rights of any kind stated in the Articles.

Section 290 of the old law has been rewritten under the same number, and requires statements in the Articles of Incorporation conforming to the provisions of the new Section 294 and with respect to different classes or series of shares permits that in lieu of the statement in the Articles of Incorporation of the dividend rate, redemption price and/or liquidation price of shares of any class or of any series of any class or the number of shares constituting any series, the articles may authorize the Board of Directors, within the limitations and restrictions stated in the Articles, to fix or alter, from time to time, the dividend rate or the redemption or liquidation price of any class or of any series of any class or the number of shares constituting any series of any class or all or any of them, in respect of shares then unissued. It will be noted, therefore, that voting power may be taken from any class of stock or can be limited in any manner.

These changes in Section 290 and the enactment of the provisions of Section 294 have been possible through the repeal of Section 2, 3, 9, 12, 14, of Article XII of the State Constitution, and amendment to Sections 1 and 7 of Article XII of the State Constitution, brought about through the adoption by popular vote in November, 1930, of Senate Constitutional Amendment 24.

Another important change is the elimination of the requirement of a two-third vote formerly required, with respect to several different matters involving corporate action and the permitting of a bare majority to rule in action upon which the consent of stockholders is required, in addition to action by the board of directors. The majority action has been submitted for the previous requirement of action by two-thirds vote, in interest of the stockholders in the provisions of new Section 310 (amending old Section 310), which has to do with the removal of directors, the new law permitting the removal of the entire board of directors by a vote of shareholders holding a majority of the outstanding shares entitled to vote at an election of directors and permitting any individual director to be removed by a majority vote, reserving however, in connection with the removal of any individual director, the right of cumulative voting.

By this same section the board of directors may declare the office of a director vacant.

(a) If he be declared of unsound mind by an order of court or if convicted of a felony;

(b) If he fails to qualify and act as a director within sixty (60) days, or such other time as the by-laws may specify, after notice of his election.

This section now permits removal

by action in the Superior Court of any director or directors in case of fraud or dishonest acts or gross abuse of authority or discretion. Such action may be initiated by suit brought by ten per cent or more of the number of outstanding shares, whether those shares are held by stockholders, with voting rights or without voting rights.

Another example of the substitution of the majority stockholder action is the provision which permits the adoption, amendment and repeal of by-laws by a majority vote of stockholders. (New Section 301).

Another example of the substitution of majority for two-thirds action, is contained in the provisions of new Section 343, which permits the sale of all or practically all of the assets of the corporation by resolution of the board of directors approved by the vote or written consent of the shareholders entitled to exercise a majority of the voting power on such proposal and further example of the substitution of majority action is contained in new Section 400, which permits a voluntary winding up of the corporation by the consent in writing, executed by shareholders entitled to exercise a majority of the voting power or by vote of a majority at a meeting called for that purpose. (New Section 343).

New section 343 permits a reduction of stated capital by a resolution of the Board of Directors approved by the vote or written consent of the holders of shares representing a majority of the voting power.

Sources of Dividends

Another vital change is contained in new Section 346 and 346a. Under the provisions of Section 346, dividends may be declared, despite previous impairment of stated capital, out of net profits earned during the next preceding accounting or dividend period which shall not be less than six months nor more than one year in duration. Dividends may also be declared upon shares entitled to preferential dividends out of paid in or contributed surplus and/or surplus arising from reduction of stated capital. A notice, however, must be given to shareholders receiving such last mentioned dividends, of the source thereof, either prior to or concurrently with the payment thereof.

Directors' Liabilities

Partly through the repeal of Section 3 of Article XII of the State Constitution, and partly through amendments to the Penal Code and Civil Code, the liabilities of directors have been reduced and placed within reasonable limitations. Senate Constitutional Amendment No. 24, above referred to, which was carried into effect by popular vote at the election in November, 1930, repeals Section 3 of Article XII of the State Constitution, which provided that "The directors or trustees of corporations and jointstock associations shall be jointly and severally liable to the creditors and stockholders for all moneys embezzled or misappropriated by the officers of such corporation or joint-stock association, during the term of office of such director or trustee."

This responsibility of directors under the old constitutional provision was absolute and not conditioned in any way upon the negligent acts of the board of directors. Such a provision, manifestly carried the responsibility of directors altogether too far.

Under the new law the pertinent provisions, with respect to the liability of directors, are contained in Sections 560, 563, 564 and 568 of the Penal Code, the principal section being 560, which reads as follows:

"560... Misconduct of directors of stock corporations." Every director of any stock corporation who con-

in any vote or act of the directors of such corporation or any of them, knowingly and with dishonest or fraudulent purpose, to make any dividend or distribution of assets, except in the cases and in the manner allowed by law, either with the design of defrauding creditors or shareholders or of giving a false appearance of the value of the stock and thereby defrauding subscribers or purchasers; and every director of a stock corporation who knowingly concurs in any vote or act of the directors of such corporation to issue any shares of stock beyond the amount authorized by its articles of incorporation, is guilty of a misdemeanor, and upon conviction shall be fined not more than one thousand dollars or imprisoned for not more than one year, or, in the discretion of the court both fined and imprisoned.

"Any promoter, director or officer of a corporation who knowingly and willfully issues or consents to the issue of shares or certificates for shares in violation of the provisions of title one of part four of division one of the Civil Code with intent to defraud present or future shareholders, subscribers or purchasers thereof, or creditors, shall be guilty of a misdemeanor, and upon conviction shall be fined not more than one thousand dollars or imprisoned for not more than one year, or, in the discretion of the court, both fined and imprisoned."

Section 553 of the Penal Code makes directors and officers who knowingly receive property of a corporation, other than in payment of a just demand, or who with intent to defraud, omit to make or cause to be made a full and true entry thereof on the books, or who, with intent to defraud, destroy, alter or falsify the books or writings on the books of the corporation, or make false entries in its books of account, liable to criminal prosecution.

Section 554 of the Penal Code, makes every director, officer or agent of the corporation, who issues or publishes either generally or privately false financial statements and kindred documents, guilty of a felony.

Section 555 of the Penal Code provides that "Every director of a corporation or joint stock association is deemed to possess such a knowledge of the affairs of his corporation as to enable him to determine whether any act, proceeding, or omission of its directors is a violation of this chapter."

Sections 563, 564 and 568 of the Penal Code are old sections which remain unchanged. Section 560 is a new section which has been changed to conform to the Civil Code Sections which have reduced the civil liability of directors very materially.

The Civil Code Sections which involve the question of responsibilities and liabilities of directors consists of the new Sections known as Section 363, 366, 367 and 402.

Section 363 is a revision of old Section 389. Under this revised section directors who willfully or negligently actively participate in a resolution authorizing or ratifying the unauthorized purchase by it of its shares with corporate funds or declare or pay dividends from sources other than as permitted by Sections 346 and 346a, or who authorize or ratify a distribution of assets in violation of Section 343b, in connection with distribution after reduction of stated capital or in violation of Sections 401a and 401b, in connection with winding up and dissolution proceedings, are made, liable to the corporation and its shareholders for the full amount of any loss sustained both in connection therewith, or in the event of its insolvency are made liable to the corporation's receiver, liquidator or trustee in bankruptcy, for any loss sustained by the shareholders or creditors by reason

of any such unauthorized dividend, withdrawal or distribution.

Paragraph 3 of the new Section 366 of the Civil Code makes any director assenting to an unlawful loan to a director or officer jointly and severally liable to the corporation as guarantors until the repayment or return of such loan, with interest.

Section 366 provides that no loan shall be made to any director or officer nor to any shareholder, without security or upon the security of the shares of the corporation, unless such loan is made by the vote or written assent of the holders of two-thirds of the shares of stock of all classes, regardless of limitations on voting rights, excluding in the two-thirds assent or vote, the shares held by the benefited director, officer or shareholder.

New Section 367 of the Civil Code is a cognate civil provision to the penal provisions contained in Sections 564 and 563 of the Penal Code and makes every officer or director, employee or agent of the corporation jointly and severally liable for all damages resulting from the corporation or any person injured thereby who relied thereon from the issuance of false financial statements, balance sheets, reports, prospectuses or false entries in the books of the corporation.

Section 402 permits any creditor, whose debt has not been paid after final distribution of the assets by the directors, to sue the directors and any or all of its stockholders in one proceeding, and compel the corporation either to pay the amount due or to set aside the distribution and recover from the shareholders ratably to the extent of the property and assets distributed to them, so far as needed to satisfy the liabilities of the corporation and directors who have authorized the same are by this Section liable to creditors for amounts or values distributed to share holders without payment of known debts and liabilities. This Section further provides that directors shall be deemed to have adequately provided for all debts and liabilities of the corporation if, upon a sale or other disposition of substantial part of all of the assets of the corporation, a financially responsible purchaser shall assume all of the liabilities of the corporation.

It must be remembered that the preamble to the new act provides that any existing cause of action against any corporation, its stockholders, directors or officers, for any liability incurred prior, to the time when the act goes into effect, as a result of the repeals and amendments made by the Act. This provision is in substance contained in old Section 404 of the Civil Code, but the courts have already held that the repeal of the Constitutional provisions relative to directors' liability for embezzlement by officers is retroactive in effect, and that no action based upon the constitutional provision can be maintained since its repeal.

Officers Responsibilities

Practically the same responsibilities apply to officers as apply to directors. The last paragraph of Section 560 of the Penal Code referred to above with respect to director's liability applies to an officer who knowingly or willfully consents to the issuance of shares in violation of law.

Section 558 of the Penal Code provides:

"558 Frauds in procuring organization of corporation, or increasing its capital. Every officer, agent or clerk of any corporation, or of any persons proposing to organize a corporation, or to increase the capital stock of any corporation, who knowingly exhibits

any false, forged, or altered book, paper, vouched security or other instrument of evidence to any public officer or board authorized by law to examine the organization of such corporation or to investigate its affairs, or to be allowed an increase of its capital, with intent to deceive such officer or board in respect thereto, is punishable by imprisonment in the state prison not less than three nor more than ten years."

Section 553 of the Penal Code, which is referred to fully above, with respect to directors, applies with equal force to officers as does also Section 554 of the Penal Code.

The pertinent Civil Code provisions are Section 366 pertaining to loans to officers, directors or shareholders and makes the officer who makes or assents to any loan in violation of that section liable as a guarantor and Section 367 of the Civil Code makes the officer participating therein liable for false statements or false book entries, the liability being the same as the liability of a director under that section.

With respect to liabilities of officers, existing prior to the amendment of the Code, the provisions of the preamble above referred to, and the provisions contained in Section 280 (old Section 404), apply to officers as well as directors.

Voting Trusts

Another important change is brought about by Section 331a of the Civil Code, which permits a twenty-one year voting trust, thereby permitting binding voting trusts to be formed for such a period. This is quite important in assuring the continuity of management.

Stock Transfers

The uniform stock transfer Act has been incorporated as part of the new General corporation law, and virtually makes a stock certificate a negotiable instrument. This Act is embraced in the new Sections 330 to 330.22, both inclusive, and will not be discussed in detail in this article, but all secretaries of corporations should familiarize themselves fully with this Act. The provisions of the Act apply to the certificates of shares whether issued before or after the taking effect of the new Transfer Act. See Section 330.22 of the Civil Code.

Mortgaging Property

Section 344 of the new Act authorizes the board of directors to authorize the hypothecation of all or any part of the corporation's property for the purpose of securing the payment of its obligations and unless the Articles otherwise provide no vote or consent of shareholders is necessary to authorize such action by the board of directors.

Capital Distribution

New Section 345b permits capital distribution without the necessity of applying to the Corporation Commissioner for authority so to do, and lays down the procedure to be followed.

Ultra Vires Acts

New Section 345 does away with the old doctrine of ultra vires, and provides that there is no constructive notice to third parties dealing with the corporation of charter limitations, the section providing, among other things:

"No limitation upon the business, purposes or power of the corporation or upon the powers of the shareholders, officers or directors or the manner of exercise of such powers, contained in or implied by the articles or by the chapter fifteen of this title, shall be asserted as between the corporation or any shareholder or any third person."

Employees Stock Purchase Plans

Liberal arrangements for special terms in the purchase of stock by em-

playees on the installment plan is permitted under the provisions of Section 292a of the new Act.

This takes the place of the general law enacted in 1917, on this subject, which last mentioned statute has been repealed.

Cumulative Voting

Cumulative voting is retained by the provisions of Section 320 of the new Act, and can not be dispensed with.

Assessability of Stock

Section 331 of the new Act provides that shares of stock are not assessable unless the Articles of Incorporation expressly confer such authority upon the corporation or its board of directors, and if authorized shall be subject to such limitations as are contained in the Articles of Incorporation.

Subscription Liability

Subscription liability is dealt with in Chapter VII of the new Act, Sections 322 to 325a, inclusive. By Section 322 every subscriber to share and every person to whom shares are originally issued shall be liable to the corporation for full consideration agreed to be paid for such shares.

Section 423 provides that if the time is not stated in the subscription agreement the shares shall be paid for on the call of the Board of Directors or on the call of any Receiver or Trustees in bankruptcy of the corporation, and provides for thirty days' notice and if not paid within thirty days action can be brought to collect the amount due or the stock can be sold or forfeited as in the case of assessments upon fully paid shares.

Section 322, subdivision 2, provides that any transferee of shares who has acquired such shares in good faith, without knowledge that they were not paid in full, or to the extent stated in the certificate, shall not be liable for any amount beyond that shown by the certificate to be unpaid, and further provides that any holder who derives his title through such a transferee, and who is not himself a party to any fraud affecting the issuance of such shares, shall have the same right as the original transferee.

Section 322, subdivision 3, provides that every transferee of partly paid shares, who acquired them under a certificate showing the fact of part payment, or who acquired them with actual knowledge that the shares were not paid in full, or to the extent stated in the certificate, shall be personally liable to the corporation for calls made or for installments of the amount unpaid becoming due between the time he acquires the shares and the time he transfers them to someone else, who becomes liable therefor.

Section 322, subdivision 4, provides that when a shareholder makes a transfer of shares in good faith, duly registered on the corporate books, to one who becomes liable therefor, he is discharged thereby from liability to the corporation for the portion of the subscription price which remains uncalled for at the time of the registration, unless it is otherwise provided in the certificate or agreed by contract in writing. This section also provides, however, that it shall not be construed to release the transferor of shares from liability to the corporation under written contracts for the payment of the subscription or purchase price of the shares.

Section 325 provides the machinery by which creditors may reach the liability of shareholders on partly paid shares.

Provision is made, however, in Section 399, that under certain circumstances the corporation may issue stock at less than par as fully paid up, if the board of directors determine

that such shares cannot be sold at par, and Section 300a permits the board of directors, in the absence of fraud, to state by resolution its determination of the fair value to the corporation in monetary terms, of any consideration other than money for which shares, with or without par value, are issued and this determination of the directors is made conclusive unless it is proved that the determination of value was made by the directors knowingly or without reasonable investigation, at an amount greater than the fair value of such consideration. In the absence, however, of the special circumstances which make it impossible to sell stock at par, the value of the consideration received by the corporation for the issuance of shares having par value shall be at least equal to the par value thereof. (Section 299, Civil Code).

Section 300b provides that in case par value shares are issued for less than par as fully paid up, a discount or difference between the par value and the agreed consideration for the shares shall be charged against the par value of the shares and the net consideration carried as stated capital represented by such shares.

No liens on shares for unpaid subscription price is effective against a transferee of such shares unless stated on the face of the certificate. (Section 326, subdivision 8, Civil Code). Liability for an assessment shall be a lien upon the shares assessed from the time of notice of assessment, unless the Articles or by-laws provide for such a lien from the time of the resolution levying the assessment. (Section 334a.)

The corporation shall be under no obligation to transfer shares which are subject to the payment of calls, previously made on installments of purchase or subscription price, if such calls or installments are effective against the person demanding transfer. (Section 330.153). But unless a transfer has been duly registered there shall be no lien upon the shares for calls already made or installments of the price due at the time of transfer, except as reserved in the certificate. (Section 322, subdivision 4, last sentence.)

Meetings

Director's meetings can be held anywhere inside or outside of the State. (Section 309).

Stockholders' meetings can be held within or without the State. Section 319).

Consideration for Issuance of Stock

Section 293 broadens the previous provisions and permits the issuance of stock in consideration of money paid, labor done, services actually rendered, debts or securities cancelled, tangible or intangible property received by the corporation, or amounts transferred from surplus to stated capital upon the issuance of a stock dividend. Under this section any corporation, if authorized in its Articles of Incorporation or By-Laws, may issue shares prior to full payment under the restrictions elsewhere set forth in the statute.

Boards of Directors

The number of directors can be changed by either amendments to the Articles or by a By-Law adopted pursuant to authority contained in the Articles. (Section 290, subdivision 6).

Vacancies in the Board can be filled by the remaining directors, though less than a quorum. (Section 300).

The By-Laws can provide that less than a majority may constitute a quorum, which quorum shall be, however, in no case less than one-third of the whole number of directors or less than two. (Section 307).

In the absence of a quorum a majority of the directors present may adjourn from time to time. (Section 307).

The By-Laws may provide for the appointment of an executive committee, subject to the control of the board of directors, to act between meetings of the board of directors and which can perform all functions of the board in that interim, other than the declaration of dividends or the adoption, amendment or repeal of by-laws. (Section 308).

Interlocking Directorates

Section 311 provides that no contracts or transactions between the corporation and one or more of its directors or between the corporation and another corporation whose directorate is interlocking, shall be either void or voidable by reason of the fact that the director or directors are present at a meeting which approves the transaction or by reason of the fact that his or their votes are counted for such purposes, provided:

(a) The fact of such participation shall be disclosed or known to the Board and noted in the minutes, and the Board shall ratify such contract in good faith by a vote sufficient for such purpose, without counting the vote of the disqualified director or directors; or

(b) If the fact of such participation shall be known to the shareholders and they approve the transaction in good faith by a majority vote of holders of shares entitled to vote; or

(c) If the contract or transaction be as to the corporation just and reasonable at the time it was authorized or approved.

This section also provides that the interested directors or director may be counted in determining the presence of a quorum at such a meeting.

Merger or Consolidation

Sections 361, 361a, and 361b provide the modus operandi for both merger and consolidation, and the details of these sections seem to be entirely workable.

Dissolution of Corporation

The new statute provides for both voluntary and involuntary dissolution and permits dissolution without paying all of the debts prior to the dissolution, provided provision is made for their ultimate retirement out of assets, and create liability on the part of the board of directors who fail to make such suitable provision as hereinafter indicated. Such dissolution or winding up is covered by Sections 399 to 404c, inclusive. Section 400 permits voluntary winding up by consent of the majority of the votes of shareholders entitled to exercise voting power. In Section 404, which permits an action to be brought for such purpose by the majority of the directors or not less than twenty-five per cent of the shareholders, when the corporation has either abandoned its business for more than one year, or there is internal dissension and two or more factions so deadlocked that the business of the corporation can no longer be conducted with advantage to its shareholders, or when it appears that the directors or those in control of the corporation have been guilty of persistent fraud or mismanagement or abuse of authority, or persistent unfairness towards minority shareholders, or that its property is being misapplied, wasted or lost by its directors or officers.

Under Section 404a the Superior Court is required to have the directors conduct, under the supervision of the Court, the winding up of the affairs of the corporation, unless, because of the conduct of the directors, it should appoint other directors to accomplish that purpose.

Debt Limitation

There is no debt limitation under the new Act, such as was contained in Section 309 prior to the Amendment

of 1929, that section providing, prior to that year, that the directors should not create debts beyond the subscribed capital stock of the corporation. This provision was eliminated in 1929, and naturally has not been restored.

Conveyance from Dissolved Corporations

Under the old law the signatures of members of the last Board of Directors were required to such a conveyance. Under Section 399a of the new law, a conveyance in the name of a corporation, signed by the President or Vice-President and Secretary or Assistant Secretary or by a majority of the directors or trustees, after dissolution, duly recorded within a period of three years after dissolution, shall have the same force and effect as if executed and delivered prior to such dissolution.

Under this same section a majority of the remaining trustees (prior to dissolution, directors) may accept resignations of trustees and fill vacancies and instruments of conveyance shall be executed in the name of the dissolved corporation by the President or Vice-President and Secretary or Assistant Secretary or by authority of a majority of the board of directors.

Any Act authorized, or consented to by a majority of the trustees shall be valid and binding as if consented to by all of the trustees.

FEDERAL BUILDING PROGRAM PROGRESSING

That part of the federal plan to relieve unemployment comprised in the public buildings program under the treasury department shows that 750 projects has been authorized and 164 firms of architects are engaged in plans and supervision. Progress of the projects is officially summarized as follows:

Buildings to the number of 115 have been completed at a total cost of \$39,869,569. Three buildings have been completed during the past month.

There were 229 buildings in construction at the first of September by contract, at an estimated cost of \$181,293,100, there having been 37 contracts let during the last month, of a total value in excess of \$25,000,000.

There are 65 projects in which the sites have been arranged, drawings are completed, for which construction contracts have been invited, of a total estimated cost of \$19,319,600.

There are 202 projects in which sites have been selected and on which plans are now under way, of a total estimated cost of \$178,766,523.

At the first of this month there were 199 projects in which the sites have been determined upon and are in process of being acquired, the estimated cost of the buildings thereon being \$49,545,400.

It is estimated that the number of men now directly and indirectly employed on this program is 39,000. It is expected that the number that will be directly and indirectly employed on Jan. 1 will total 100,000.

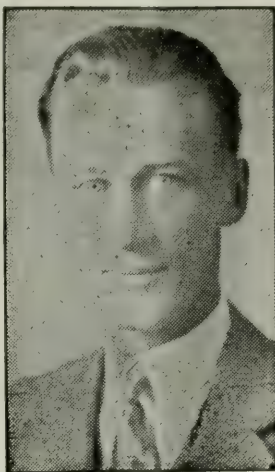
California and Portland Lumber Bodies Merge

Members of the California White and Sugar Pine Manufacturers' Association have voted to join forces with the Western Pine Association of Portland.

The action will give the local organization a greater scope for lumber activities, expanding its field from the white and sugar pine territory of California and Oregon to the timber fields of the eleven Western states.

Offices of the California White and Sugar Pine Company are located in the Call Building, San Francisco.

NAMED ON S. F. BAY BRIDGE PROJECT



H. J. BRUNNER

Selection of the complete board of consulting engineers for the \$75,000,000 San Francisco - Oakland Bay Bridge is announced by Chas. H. Purcell, Chief engineer on the project.

Ralph Modjeski of New York and Moran and Proctor, New York foundation experts, were chosen for the huge project some months ago.

The following additional members have been named by Mr. Purcell: Leon Mossieff, suspension bridge authority of New York; Professor C. E. Derleth Jr. of the University of Calif., and H. J. Brunner, consulting engineer, San Francisco. Mr. Modjeski will act as chairman of the board.

11 MILLION BID—8 MILLION ASKED

"Illinois is confronted with the strange paradox of trying to raise \$8,000,000 for unemployment relief while highway work totaling \$11,000,000 is being delayed again and again by a prevailing wage law. A taxpayer's suit to determine the constitutionality of the wage act threatens to prolong the delay caused by labor interests ever since the law became effective. Organized labor apparently thinks the wage act was passed for its own special benefit," says Engineering News-Record. "Union leaders from Chicago blocked an agreement on wage rates, that was satisfactory to all directly concerned, on projects in the southern part of the state. Retailatory measures on the part of southern-district labor, in the form of protests against waste of public funds by paying high union scales in metropolitan Chicago, were a logical result. Illinois will find little response to an \$8,000,000 charity appeal as long as selfish labor interests succeed in blocking an \$11,000,000 road construction program that must soon be under way if it is to be done this season. Through these delays the outlook for employment is made distinctly worse, and the winter problem both in the state at large and in the Chicago district will be hard to deal with."

STANISLAUS COUNTY ADOPTS WAGE SCALE

With three votes in favor and two against adoption, the Stanislaus County Board of Supervisors adopted the following wage scales to apply on county construction:

Asphalt plant operators.....	\$ 9.00
Asphalt feeders	5.00
Asphalt rakers	5.00
Bricklayers	10.00
Skilled carpenters and outside cabinet workers	8.00
Form carpenters	6.00
Carpenters' helpers	5.00
Cement finishers	8.00
Cement workers	5.00
Concrete mixer men	5.50
Common laborers	4.00
Electrical workers	8.00
Electrical workers' helpers.....	5.00
Firmen	5.00
Grader men	6.00
Hod carriers	7.00
Painters	8.00
Plasterers	10.00
Plasterers' hod carriers.....	7.50
Plumbers	8.00
Plumbers' helpers	5.00
Reinforcing steel workers.....	6.00
Sheet metal workers.....	8.00
Teamsters	5.00
Tile and marble setters.....	10.00
Tile setters' helpers.....	6.00
Truck and tractor drivers.....	5.00

HUMBOLDT COUNTY ADOPTS WAGE SCALE

The Humboldt County supervisors have adopted a scale of wages to apply on road and bridge construction to be authorized by that body. The scale, it is understood, is tentative and may be established as a permanent rate or may be revised when the county board sees fit.

The per diem scale of wages follows:

Common laborers	\$4.00
Concrete workers	5.00
Skilled labor	5.50
Tractor drivers	5.00
Powdermen	6.00
Drillers	6.00
Blacksmiths	7.00
Foremen	7.00
Driver crew	4.80
Carpenters	8.00
Truck drivers	5.00

All over time to be paid at the rate of one and one-half times the above rates and for work on Sundays and holidays contractors and sub-contractors shall pay double the above rates.

MERCED COUNTY ADOPTS WAGE SCALE

The Merced County supervisors have adopted the following wage scale to apply on construction authorized by that body, it is announced by P. J. Thornton, county clerk:

Bricklayers	\$11.00
Bricklayers' hod carriers.....	6.00
Carpenters	8.00
Carpenters' apprentices	4.50
and up	
Cement finishers	9.35
Lathers	10.50
Laborers	4.00
Painters	8.00
Plasterers	12.00
Plasterers' hod carriers.....	6.00
Plumbers	9.00
Roofers	8.00
Sheet Metal Workers.....	9.00
Shinglers	9.00
Wiremen	9.00

Double time will be paid for work on Sundays and holidays and time and a half for overtime.

Building Improvement Corporation of San Francisco has been incorporated. Directors are A. W. Hill Jr., D. C. Herkner and L. E. Morrison.

THE OBSERVER

What He Hears and Sees on His Rounds

In a movement to stop public employees from practicing engineering and surveying on the side, Rochester, N. Y., engineers and surveyors have organized a body to be known as the Practicing Engineers and Surveyors of Rochester. Charles C. Hopkins is chairman of the executive committee, of which Lewis E. Kohl is secretary.

The Oregon State Federation of Labor, meeting in Salem, Ore., last week urged that the Federal government investigate labor conditions at the Hoover Dam, to "cease a policy of low wages inimical to the public good." Resolutions urging the convention to indorse the Oregon products movement, and another asking the state highway commission to employ only contractors hiring Oregon labor, were introduced by George E. Sandy, Portland. Sandy's resolution to the highway body said bona fide residents of the state were discriminated against by contractors hiring residents of California, Washington and Idaho. These contractors not only use laborers of other states, but most of their trucks bear license plates of these states, the resolution charged.

Construction and uses of glass enclosures for sludge beds and trickling filter beds are treated in catalog GE31, a 24-page illustrated booklet issued by the American Moninger Greenhouse Mfg. Corp., 1947 Flushing Ave., Brooklyn, N. Y.

Federal construction in California is providing employment for thousands of workers, according to a survey of government construction projects in this State, recently completed by the Industrial Committee of the California State Chamber of Commerce, as part of its employment stabilization program.

The survey shows 129 projects by five government departments, involving an expenditure of \$61,063,261, which are either under way or for which definite plans for early construction are being prepared. These include:

29 projects of the War Department, amounting to.....	\$ 4,881,445
42 projects of the Navy Department, amounting to.....	23,428,886
11 National Park Projects amounting to.....	2,514,712
4 Department of Commerce Projects amounting to.....	481,218
43 Federal buildings, amounting to.....	29,757,000

Los Angeles police are seeking two swindlers who are attempting to dispose of bogus street improvements bonds of the city of Compton. At least \$5,000,000 worth of spurious bonds have been printed, the police declare, and possibly \$100,000 sold. The men sought are B. F. Williams, alias Paul Elgin, and a man known as Allen.

A disturbing precedent has been established by the city council in the reduction of city employees. The "honorary" of being first of forty-four municipalities in Los Angeles county to cut wages falls to our glorious city, in spite of all the requests and advice from President Hoover.—Long Beach "Labor News."

In announcing a five-day week for city employees of Boston, to take ef-

fect January 1, Mayor Curley says: "There is no other answer if the inventive genius of the American nation robs the people of America of 3,000,000 opportunities for a livelihood in ten years. If, as the economists state, in the next ten years 4,000,000 more opportunities will vanish, there is only one answer, and that is the adoption of the five-day week." Seven thousand employees are affected in Boston, the fire and police departments, schools and city hospitals not being included.

A John T. McCutcheon cartoon in the Chicago Tribune recently, suggesting that the steel industry might work its way out of the depression through the large scale production of standard houses built of steel and glass, brought spirited objection from lumber industry men, according to Editor and Publisher.

The Tribune editor received 100 form letters, each with a different signature, "From the Millwork Men and Lumber Dealers of the Chicago Area," protesting that the cartoon was unjust to the wood workers.

In an editorial Sept. 3 the Tribune pointed out that the more construction there was the most use there would be for lumber. The intent of the cartoon was not to advocate replacing modern construction completely with steel and glass houses, but to encourage business men and manufacturers "to look about them for new uses to which their products can be put." "In that way," the editorial added, "the Tribune believes and has often said, recovery from the present depression will be found."

The United States Steel Corporation doubled its contribution to the American Institute of Steel Construction during the year 1931, giving \$50,000 toward this cooperative work.

The Bethlehem Steel Corp. doubled its contribution from \$25,000 to \$50,000. The Jones & Laughlin Steel Corp. doubled its contribution from \$5,000 to \$10,000.

H. H. Robertson & Company have increased their contribution from \$2,500 to \$3,000.

The Inland Steel Corporation, Scullin Steel Corporation, and the Lukens Steel Company are contributing the same amounts as in previous years.

The above is a demonstration of faith in the Institute, a sound trade organization.

Reports of new orders for fabricated structural steel for the week ending August 29, 1931, were received from 100 establishments, whose capacity represented 52.9 per cent of the total capacity of all plants in the United States. The bookings reported by these establishments amounted to 23,160 tons representing 45.4 per cent of the total capacity of reporting establishments. Reports of shipments of fabricated structural steel for the same week were received from 96 establishments, whose capacity represented 50.6 per cent of the total capacity of all plants in the United States. The shipments reported by these establishments amounted to 20,451 tons, representing 43.8 per cent of the total capacity of the reporting establishments.

ALONG THE LINE

Governor Rolph has appointed Meredith P. Snyder, former mayor of Los Angeles for four terms, to be a member of the State Industrial Accident Commission, at a salary of \$5000 a year.

Timothy A. Beardon, president of the Board of Public Works, will be a western delegate to the metal trades convention of the American Federation of Labor at Victoria, B. C., September 30.

Ryland, Esty and McPhetres, architects and engineers, have opened offices in the Alta Building, Santa Cruz. L. D. Esty and D. M. McPhetres have been associated in the business of architecture for some time and recently completed negotiations with C. J. Ryland, a member of the architectural firm of Swartz and Ryland of Fresno and Monterey, for organization of the Santa Cruz office.

Wm. Curtis, city building inspector of Stockton, will represent that city at the annual meeting of the Pacific Coast Building Officials Conference to be held in Berkeley, October 5 to 10.

Offices of the California Toll Bridge Authority, which will construct the \$72,000,000 San Francisco Bay Bridge, have been opened in San Francisco at 509 Sansome street. The office is in charge of Charles E. Andrews, bridge engineer for the State Department of Public Works.

Albert Wallerstein, 54, retired millionaire lumber merchant, was found dead behind a hedge in Los Angeles, September 7. The body was found in a sitting position. There was no sign of violence. Wallerstein went to Los Angeles from Chicago about 10 years ago.

The National Association of Wooden Box Manufacturers announces that the Pacific Coast division will hold its third 1931 triannual meeting on Oct. 23 and 24 at the Willard Hotel in Klamath Falls, Ore. This will be a round-table meeting to discuss matters of industry, organization, trade promotion, merchandising and production methods.

After having specialized for years in the production of virgin quality pig lead for calking water mains, Michael Hayman & Co., Inc., 856 East Ferry St., Buffalo, N. Y., has brought out a self-calking material as a substitute for lead for this purpose, which is being marketed under the name of Haymanite cement. This material is simply melted and poured into the joint, no calking being required. It is shipped in powder form, packed in bags containing 100 lbs. each.

New classes in steel construction methods will be taught in the San Francisco evening high schools, it is announced by Joseph Marr Gwinn, city superintendent of schools. The Board of Education recently purchased ten electric welding outfits to be used in connection with the steel classes.

The American Institute of Steel Construction will hold its Ninth Annual Convention at the Greenbrier Hotel, White Sulphur Springs, West Virginia, October 27 to 30, inclusive. There will be no outside speakers and the proceedings will be limited exclusively to the affairs of steel industry.

Building News Section

APARTMENTS

Owner Taking Bids.
ALTER APARTMENTS Cost, \$8000
 SAN MATEO, San Mateo Co., Calif.
 Bellevue and Claremont Aves.
 Alterations to 2-story and basement
 frame and stucco apartments (new
 plumbing, electric work, new heat-
 ing plant, steam or warm air).
Owner—A. Winkler, 422 S Eldorado St.
San Mateo.
**Plans by Grimes & Schoening, Bal-
 vich Bldg., San Mateo.**

Additional Sub-Contracts Awarded.
APARTMENTS Cost, \$60,000
 SAN FRANCISCO. NE Bay and Web-
 ster Streets.

Three-story and basement frame and
 stucco apartments (3 x 6 o m s;
 steam heating system, oil burner,
 tile and composition roof, oak
 floors, canvas walls, plaster exte-
 rior, electric refrigeration).
Owner and Bldg.—Grace Perego, 176
Sutter St., San Francisco.
Architect—H. C. Baumann, 251 Kearny
St., San Francisco.

Roofing—James Cantley 7th and Irwin
Sts., San Francisco.

Sheet Metal—Halpern Sheet Metal
Works, 2526 Lombard St., S. F.
Plastering—Marconi Plastering Co.,
1737 Beach St., San Francisco.

Frigidaire—Frigidaire Sales Corp.,
16th and Harrison Sts., S. F.

**Iron & Fire Escapes—Star Ornamen-
 tal Iron Works, 1271 Folsom St.,**
San Francisco.

**Stairs—E. D. Philbrick, 141 Sheri-
 dan St., San Francisco.**

Other awards reported Sept. 11th.

Sub-bids are wanted on tile and
 painting.

CHURCHES

Contract Awarded.
MONASTERY Cost, \$136,797
 SAN DIEGO, San Diego Co., Cal. No.
 5158-70 Hawley Blvd.

Two- and three-story reinforced con-
 crete monastery (160x200 ft.); tile
 and composition roof.

Owner—Carmelite Sisters.
Architect—Frank L. Hope, Bank of
America Bldg., San Diego.

Contractor—F. E. Young Co., Bank of
America Bldg., Los Angeles.

Plumbing—Fred Heilbrun, 1445 Fifth
Ave., San Diego, at \$6660.

STINSON BEACH, Marin Co., Cal.
—Judge A. Upton has donated two
lots to the Stinson Beach Community
Church on which it is proposed to
erect a new office. It is probable that
most of the materials to be used in
construction will be secured through
donations. C. Walling is chairman
of the Building Committee.

Plans To Be Prepared.
CHURCH Cost, \$45,000
 LAS VEGAS, Nev. Ninth and Clark
 Streets.

Reinforced concrete church.
Owner—Church of the Latter Day
Saints, Las Vegas.
Architect—Not Selected. 3

LOS MOLINAS, Tehama Co., Cal.—
C. W. Carter, T. J. Hunt and J. T.
Jones comprise a building committee
to secure estimates of cost for a pro-
posed new community church.

Plans Being Prepared.
CHURCH Cost, \$11,000
 TRACY, San Joaquin Co., Cal. Eaton
 and Parker Streets.

One-story frame and stucco church.
Owner—Methodist Episcopal Church,
Rev. E. L. Fisher, pastor, Tracy.
Architect—W. D. Coates, 626 Rowell
Bldg., Fresno.

Members of the building committee
 include J. W. Stocking, A. L. Swarth-
 out, Dr. J. F. Doughty, Mrs. J. F.
 Doughty, Frank Fine, Dr. R. L. Rud-
 kin, Mrs. F. L. Jackson, Mrs. C. E.
 Peterson and Russell A. Baumgardner.

FACTORIES AND WARE- HOUSES

Structural Steel Contract Awarded.
PLANT Total cost,
 including machinery, \$250,000
 BOULDER CITY, Nevada.

Structural steel, concrete and timber
 sand and gravel plant (towers,
 tunnels, etc.)

Owner—Six Companies, Inc., 405
Montgomery St., San Francisco.

Structural Engineers—Ellison & Rus-
sell, Pacific Bldg., San Francisco.

Structural Steel—Pacific Iron & Steel
Co., 11,600 S. Alameda St., Los
Angeles, Cost, approx., \$50,000

Contract Awarded.
WAREHOUSE Cost, \$26,442
 OAKLAND, Alameda Co., Cal. First
 and Market Streets.

One-story brick warehouse.
Owner—Howard Terminal, First and
Market Sts., Oakland.

Architect—Reed & Corlett, Oakland
Bank Bldg., Oakland.

Contractor—S. G. Johnson, 4652 Do-
lores Ave., Oakland.

Preparing Plans.
FACTORY Cost, \$—
 LOS ANGELES, Cal. East Vignes
 Street near Turner St.

One-story and basement Class A re-
 inforced concrete and brick fac-
 tory (140x268 ft.); concrete slab
 floors, 6 steel rolling shutters,
 lockers, etc.

Owner—Los Angeles Soap Co.
Architect—Morgan, Walls & Clements,
Van Nuys Bldg., Los Angeles.

A building to replace a number of
 smaller buildings will be erected on
 the site next spring.

SKILSAW Portable Electric Hand
Saws (4 models).

SKILSAW Portable Electric Sander
**SKILSAW Radial Arm At-
 tachments.**

SYNTRON Portable Electric Ham-
mers (4 models, motor-
less).

MALL Flexible Shaft Machines (50
models).

Electric Drills, Grinders, Buffers,
Routers, Lock Mortisers.

PETER H. NELSON

Labor Saving Portable Electric
 Tools.

1248 Mission St. Underhill
 San Francisco 7682
 SALES . SERVICE . RENTALS

Plans Being Figured — Bids Close
 October 5.

HANGAR Cost, \$1500
 REDDING, Shasta Co., Cal.
 Corrugated iron hangar at Municipal
 Airport (60x60-ft.).
Owner—City of Redding, Leslie En-
gram, City Clerk.
Architect—Not Given.

LOS BANOS, Merced Co., Cal.—Dr.
J. Underwood Hall, 2000 Van Ness
Ave., San Francisco, has purchased
290 acres east of Los Banos, known
as The Belmont Ranch and plans ex-
tensive improvements in the near
future, including the construction of
a modern dairy. More definite infor-
mation will be given in about two
weeks.

Plans Being Figured.
NEWSPAPER BLDG. Cost, \$—
 POMONA, Los Angeles Co., Cal. SE
 Third and Thomas Streets.

Three-story and basement reinforced
 concrete Class A newspaper build-
 ing (119x120 ft.) (tile roof, freight
 and passenger elevators, wrought
 iron, etc.)

Owner—Pomona Progress-Bulletin,
Architect—Lincoln Rogers, 2412 W.
Seventh St., Los Angeles.

Sub-Bids Wanted.
LAUNDRY, ETC. Cost, \$8000
 SAN FRANCISCO. 104 Leland Ave.

Two-story and basement frame and
 stucco laundry and residence.

Owner—O. Pedeprade, 104 Leland Ave.
Plans by Mr. Kimball.

Contractor—F. M. Kimball, 3730 20th
Street.

Sub-bids are wanted on mill work,
 lumber, plumbing, tile work, glass,
 heating, metal work, chimneys, gas
 flues, skylights, ready mix concrete,
 tar and gravel roofing, brick mantel,
 gas radiant mantle heater or equal,
 hardwood floors, electric wiring. Ap-
 proximately 30 yards of concrete, 700
 yards of plaster interior stucco ce-
 ment, 25 rolls building paper, hard-
 ware. Owners are interested in re-
 build mangles and possibly two wash-
 ers; also in market for good second-
 hand 25-hp. boiler.

To Ask Bids Shortly.
NEWSPAPER BLDG. Cost, \$100,900
 PASADENA, Los Angeles Co., Cal.
 NE Fair Oaks and Union Sts.

Two-story and basement steel frame
 and reinforced concrete newspaper
 building (133x92 ft.)

Owner—Pasadena Post.
Architect—Bennett & Haskell, First
Trust Bldg., Pasadena.

Contract Awarded.
ADDITION Cost, \$20,000
 OAKLAND, Alameda Co., Cal. SE 5th
 and Alice Streets.

One-story concrete addition to bldg.
Owner—Pacific Freight Line, 13th and
Feralta Sts., Oakland.

Plans by Eng. Dept. of Owner.
Contractor—Nick Wierck, 1560 Alice
St., Oakland.

Contract Awarded.
ALTERATIONS Cost, \$14,000
 SAN FRANCISCO. W York bet. 19th
 and 20th Streets.

Alterations to manufacturing plant.
Owner—Union Trust Co., Market and
Grant Aves.

Plans by G. C. Haun, 410 Regent St.,
Oakland.

Contractor—C. C. W. and H. H. Haun,
666 Mission St.

Sub-Bids Being Taken.

WAREHOUSE Cost, \$75,000
SAN FRANCISCO. Brannan Street.
One-story concrete warehouse (steel
sash, galvanized iron; 100 ft. front-
age).

Owner—Vermont Marble Co., 244
Brannan St., San Francisco.
Architect—Lewis P. Hobart, Crocker
Bldg., San Francisco.
Contractor—Cahill Bros., 206 Sansome
St., San Francisco.

GARAGES AND SERVICE STATIONS

Bids Rejected.
GARAGE Cost, \$1500
KENTFIELD, Marin Co., Cal. Marin
Junior College Campus.

One-story frame and stucco garage
(tile roof).
Owner—Marin Junior College District,
Kentfield.

Architect—A. A. Cantin, 544 Market
St., San Francisco.

Following bids were received:
Empire Constr. Co., S. F. \$1700
C. M. Norgrove 1750
Jacks & Irvine, San Francisco 2000
DeLuca & Son, San Francisco 2094
H. Bitcon 2140
Young & Horstmeier, S. F. 2200
E. Jackson, San Rafael 2200
Leibert & Trobeck, San Francisco 2247
J. W. Cobby & Son, S. F. 2330
Petalum Constr. Co., Petaluma 2500
S. F. Constr. Co., S. F. 2707
J. S. Hannah, San Francisco 2700

All bids were rejected as they ran
too high. Money not available at
this time.

To Ask Bids In Two Weeks.
SERVICE STATION Cost, \$8000
SAN FRANCISCO. Army and Valen-
cia Streets.

Service station (steel frame con-
struction).
Owner—General Petroleum Co., 1924
Broadway, Oakland.
Plans by Eng. Dept. of Owner.

Plans Being Completed.
WAREHOUSE-GARAGE Cost, \$13,000
COLUSA, Colusa Co., Cal. Second and
Main Streets.

One-story corrugated metal, wood and
frame garage and warehouse.
Owner—Pacific Gas & Electric Co., 245
Market St., San Francisco.

Plans by Eng. Dept. of Owner.
Bids will be asked in about 3 weeks
from local contractors.

SAN FRANCISCO—Symon Bros.
Wrecking Co., 1435 Market St., are
wrecking the building at Fulton and
Octavia Streets and also on Duboce
Ave. and Steiner St., on which two oil
stations will be erected. Weissbein
Bros., 582 Market St., are in charge.
More information will be given shortly.

Contract Awarded.
SALES BLDG. Cost, \$—
LOS ANGELES, Cal. NW Wilshire
Blvd. and Mariposa Ave.

Five-story and basement concrete and
stone automobile sales and service
building (140x200 ft.) (metal show
windows, steel sash, elevator and
dumb waiter).

Owner—E. L. Cord.
Architect—Albert C. Martin, Higgins
Bldg., Los Angeles.
Contractor—Lynch-Cannon Engineer-
ing Co., Chapman Bldg., Los An-
geles.

Additional Sub-Contracts Awarded.
SALESROOM Cost, \$6000
SAN FRANCISCO. SE 11th and Minna
Streets.
One-story class C salesroom.

Owner—E. Gruhn, 604 Mission St.
Engineer—N. B. Green, Sharon Bldg.
Contractor—F. R. Siegrist Co., 604 Mis-
sion Street.

Steel Sash—Michel & Pfeiffer Iron
Works, Harrison and 10th Sts.
Brick Work—Emil Hogberg, 666 Mis-
sion Street.

Concrete—Adam Arras, 2476 Howard
Street.
Rolling Doors—Chas. Christensen Co.,
557 Market St.

As previously reported grading con-
tract awarded to McClure & Cham-
berlain, 608 Octavia St.; structural
steel to Judson Pacific Co., 609 Mission
St.; reinforcing steel to W. S. Weten-
hall, 17th and Wisconsin Sts.

GOVERNMENT WORK AND SUPPLIES

SACRAMENTO, Cal.—Until Oct. 1, 3
P. M., under Order No. 3755-CLR, bids
will be received by U. S. Engineer
Office, California Fruit Bldg., to fur-
nish and deliver Rio Vista, Solano
county, 250 cast steel outlets for 20-
inch discharge pipe; rough cast. Spec-
ifications obtainable from above office.

Plans Being Prepared.
NURSES' QUARTERS Cost, \$70,000
SAN FRANCISCO. Letterman Gen-
eral Hospital.

Three-story reinforced concrete nurses'
building addition with tile roof
(Building E) (to accommodate 36)
Owner—United States Government.
Plans by Constructing Quartermaster,
Fort Mason, San Francisco.

Proposal will be submitted to Con-
gress for approval.

Plans Being Prepared.
OFFICERS' QUARTERS \$120,000
SAN FRANCISCO. Presidio.

Ten double sets of non-commissioned
officers' quarters (hollow tile
walls; Class C construction;
Spanish type).

Owner—United States Government.
Plans by Constructing Quartermaster,
Fort Mason, San Francisco.

Proposal will be submitted to Con-
gress for approval.

Plans Being Prepared.
MESS HALL Cost, \$75,000
SAN FRANCISCO. Letterman Gen-
eral Hospital.

Two-story reinforced concrete mess
hall (tile roof, terrazzo floors, etc.)
Owner—United States Government.
Plans by Constructing Quartermaster,
Fort Mason, San Francisco.

Proposal will be submitted to Con-
gress for approval.

MERIDIAN, Sutter Co., Cal.—Until
October 6, 3 P. M., bids will be re-
ceived by U. S. Engineer Office, Cali-
fornia Fruit Bldg., Sacramento, under
Circular Proposal No. 32-77, Specifica-
tions No. 3533, for repair of Tisdale
Weir, construction of conc. pile bents
for bridge thereon, cobblestone revet-
ment of the approach slope and talus
of the weir at Tisdale By-Pass, nine
miles south of Meridian. Bid bond of
10% required.

Preliminary Surveys Completed—Fed-
eral Government Awaiting Title to
Lands.

BOMBING BASE Cost, \$5,000,000
MARIN COUNTY. Near San Rafael.
Officers' quarters, barracks buildings,
warehouses, etc.

Owner—United States Government.
Plans by Capt. H. B. Nurse, San Ra-
fael.

Construction of this project will ex-
tend over a three-year period. Capt.
Nurse is now organizing his staff and
will shortly select permanent head-
quarters in San Rafael. Construction
involves 125 houses for commissioned
officers, 55 duplex houses for non-

commissioned officers, five two-story
barrack buildings to house 972 enlist-
ed men, eleven hangars (100 ft. by 200
ft.), two warehouse buildings, post ex-
change, gymnasium, theatre, laundry,
bakery, parachute building, photo
building, guard house, fire station,
hospital, bachelor officers' quarters,
officers' club, non-commissioner offi-
cer's club, headquarters building, post
children's school, chapel, athletic field,
radio station. Further mention will be
made of this work as the plans progress.

Preparing Preliminary Plans.
POST OFFICE Cost, \$155,000
MONTEREY, Monterey Co., Cal.
One-story Class A Spanish type post
office.

Owner—United States Government.
Architect—Wm. O. Raiguel, Del Monte
The Federal Government appropriat-
ed \$180,000 for this structure of which
amount \$25,000 has already been ex-
pended in the purchase of a site, the
remaining \$155,000 to finance erection
of the building.

Bids Opened.
ELECTRIC SYSTEM Cost, \$—
PALO ALTO, Santa Clara Co., Cal.
Revisions to electric distribution sys-
tem and removal and sale of old
single, two and three conductor
No. 6 500-volt rubber and lead-
covered cable and No. 6 single
conductor weatherproof copper
wire.

Owner—United States Government.
Plans by Supervising Superintendent
of Construction, U. S. Veterans'
Hospital, Palo Alto.

This work will include trenching,
backfilling, construction of concrete
manholes, installation of parkway ca-
ble, oil circuit breakers, primary cut-
outs, potheads, disconnecting existing
primary service cables and connecting
new cables to primary cutouts, oil cir-
cuit breakers, busses, etc.

Following is a complete list of bids:
(a) Allowance for old copper cable.
Globe Electric Works, 1899 Mis-
sion St., San Francisco \$10,500

(a)	350
W. B. Baker & Co., S. F.	10,490
(a)	51
H. C. Reid Co., S. F.	10,775
(a)	275
Butte Elec. Equip. Co., S. F.	10,989
(a)	200
Severin Elec. Co., S. F.	11,337
(a)	200
Butte Elec. Mfg. Co., S. F.	11,646
(a)	100
T. L. Rosenberg, Oakland	11,765
(a)	150
Broome Electric Co., Amarillo Texas	11,787
(a)	800
City Imp. Co., Berkeley	11,989
(a)	150
Kuchel & Sievers, S. F.	12,485
(a)	5
Chas. Langlais Co., S. F.	12,500
(a)	200
H. S. Tittle Co., S. F.	13,200
(a) per lb.	.01
Brayer Elec. Co., S. F.	13,250
(a)	5
Turner Co., San Francisco	14,320
(a)	100
Walker-Martin Corp., L. A.	15,423

Bids referred to Washington for
award.

Preparing Preliminary Plans.
POST OFFICE \$210,000 avail-
able for site and building
PALO ALTO, Santa Clara Co., Calif.
Hamilton Ave., Waverly and Gil-
man Sts.

Class A post office.
Owner—United States Government.
Architect—Birge M. Clark, 310 Univer-
sity Ave., Palo Alto.

Plans Being Prepared.
ADDITION TO WARD Cost, \$55,000
SAN FRANCISCO. Letterman General Hospital.

Two-story reinforced concrete addition to Ward 13 (tile roof, terrace and linoleum floors, considerable tile work; accommodate 40 patients).

Owner—United States Government.
Plans by Constructing Quartermaster, Fort Mason, San Francisco.

Proposal will be submitted to Congress for approval.

Bids Opened.
INFIRMARY Cost, \$—
BOISE, Idaho.

Reinforced conc. infirmary and connecting corridor for U. S. Veterans' Hospital.

Owner—United States Government.
Plans by Construction Division, U. S. Veterans' Bureau, Arlington Bldg., Washington, D. C.

Following are three low bidders:
Morley Const. Co., Kansas City Missouri \$228,600
J. O. Jordan & Son, Boise, Id., 230,760
Jacobson Const. Co., Salt Lake City, Utah 236,000

RONALD, Wash.—Lahar Construction Co., Boonesville, Mo., at \$198,902 submitted low bid to U. S. Reclamation Service to clear the 2665-acre reservoir site along the Cle Elum dam. Geo. Nelson Co., Seattle, next low at \$204,000. C. R. Myers, Portland, Ore., third low at \$207,799.

Preliminary Plans Being Completed.
ADDITION Cost, \$750,000
SAN FRANCISCO. Seventh and Mission Streets.
Four-story class A addition to post office.

Owner—United States Government.
Architect—George Kelham, 315 Montgomery Street.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies & Accounts, Navy Department, Washington, D. C., to furnish and deliver miscellaneous supplies and equipment as noted in the following schedules, further information being available from the Navy Dept. Officer, 100 Harrison St., San Francisco:

Bids Open Oct. 6
Puget sound, 42,600 lbs. plate steel; sch. 6545.

Mare Island, 170 pressure lubricating guns; sch. 6540.

Mare Island, 3000 dozen Tungsten hacksaw blades; sch. 6548.

Puget Sound, 1 electric-driven dish-washing machine & spares; sch. 6557.

San Diego, 1 valve refinishing machine and set of refinishing tools; sch. 6566.

SAN DIEGO, Cal.—Until 11 A. M. Oct. 6, bids will be received by the Public Works Officer, 11th Naval District, San Diego, for painting a steel water tank and tower at the Naval Radio Station, Chollas Heights. The work will consist of cleaning and painting a 30,000 gallon capacity steel water tank, the supporting steel tower, and appurtenances. Bidding data obtainable from the Public Works Officer on deposit of \$10. DeWitt C. Webb, Captain (CEC), U. S. N., Public Works Officer.

MARE ISLAND, Cal.—Until Oct. 7, under Spec. No. 6623, bids will be received by Bureau of Yards and Docks, Navy Dept., Washington, D. C., to furnish and install galley equipment in the barracks at the Mare Island Navy Yard. Deposit of \$10 required for plans, obtainable from 12th Naval District, 100 Harrison St., San Francisco, or from the Commandant at the Navy Yard.

SAN FRANCISCO. Following bids received by Constructing Quartermaster, Fort Mason, for furnishing and installing gas piping, conversion gas burner, range and hot water heater in the Lodge Building at the National Cemetery:

(1) job complete with conversion burner;

(2) job complete with alternate.

T. G. Arrowsmith, 661 Howard St., (1) \$128; (2) \$168.

Petroleum Heat & Power Corp. of

Calif. (1) \$123; (2) \$209.

W. E. Trousdale (1) \$177; (2) \$188.

Skelly & Kohler (2) \$180.

George Wara (1) \$190; (2) \$195.

Gilley-Mank-Young (1) \$195; (2) \$207.

George Rehm (1) \$203.

Bids held under advisement.

MARYSVILLE, Yuba Co., Cal.—Until September 28, 3 P. M., under Circular Proposal No. 23-83, Specifications No. 3758, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to place five retards along the banks of the Yuba River, between Rucke Bend and a point near the Dantoni Orchard, about 1 mile above the town of Marysville.

SAN DIEGO, Cal.—Beacon Electric Co., 844 F St., San Diego, submitted the low bid of \$15,492 to the Eleventh Naval District at San Diego on September 18 for extension of electrical Operating Base (Training Station), San Diego, specification No. 6627. Recommendation was made that the contract be awarded to the low bidder. The work will include the furnishing and installing of double manholes, conduits, manhole drains, distributing transformers with cutouts and service boxes; additional panels for an existing switchboard, with grille, pot-heads and disconnect switches; miscellaneous concrete work; telephone cabinet; wires and cables for light, power and telephone services; also miscellaneous work and material. Other bids were: Globe Elec. Works, \$15,991; Bennett & Taylor, \$16,487; H. H. Walker, \$16,345; Jos. E. Peterson, \$16,900; Carl Heiborn Electric Co., \$16,938; Newbury Electric Corp., \$17,211; Moore Electric Co., \$17,386; Elec. Lighting & Supply Co., \$17,447; Ohlinger Electric Co., \$18,000; Frank L. Stimson Constr. Co., \$18,314; Walker-Martin Corp., \$18,961; Capitol Electric Co., \$18,998; Miracle Constr. Co., \$20,894.

Plans Being Reviewed.
BARRACKS Cost, \$200,000
MARE ISLAND, Calif. Mare Island Navy Yard.

Reinforced concrete barracks building. Owner—United States Government.

Plans by Bureau of Yards and Docks, Navy Dept., Washington, D. C.

Plans are being reviewed in Washington and it is expected to call for bids shortly.

Bids Opened.
ELEVATOR Cost, \$—
MARE ISLAND, Solano Co., Cal.

Conversion of elevator from car switch to double push control, under Specification No. 6675.

Owner—United States Government.

Plans by Bureau of Yards and Docks

Navy Dept., Washington, D. C.

The work will involve the conversion of one freight elevator in the machine shop, Building No. 271, U. S. Navy Yard, Mare Island, California, from car switch control to double push button control.

Only bid was submitted by Otis Elevator Co., 1 Beach St., San Francisco, at \$1235.

Bids Being Tabulated
FIRE EXT. SYSTEM
MARE ISLAND, Calif.

Install carbon dioxide fire extinguisher system in paint shop building No. 334 and in paint shop annex. Bldg. No. 590, under Spec. No. 6679

Owner—United States Government.
Plans by Bureau of Yards and Docks, Navy Dept., Washington, D. C.

Four bids were received for this work by the Public Works Officer, Mare Island Navy Yard. Bids were received on about fifty items and are now being tabulated. Bidders were: Walter Klidde, New York; American La France Co., Foamite Corp. and Hough-Egliert, Inc.

PUGET SOUND, Wash.—Dravo Contracting Co., Pittsburgh, Pa., at \$479,000 awarded contract by Bureau of Yards and Docks, Navy Department to furnish and install 250-ton crane at Puget Sound. R. W. Laitenbach Corp., Bedford, Ohio, at \$55,000 awarded contract for 20-ton crane, and Star Iron and Steel Co., Tacoma, Wash., at \$53,400 for a 10-ton crane.

Bids Opened.

ELEVATOR Cost, \$—
MARE ISLAND NAVY YARD, Solano Co., Cal.

Furnish and install 1 5000-lb. freight elevator in Pattern Shop, Building 55 at Mare Island Navy Yard under Specification 6668.

Owner—United States Government.
Plans by Bureau of Yards and Docks, Washington, D. C.

Low Bidders—Otis Elevator Co., 1 Beach St., San Francisco, at \$3883
Only other bid was submitted by Pacific Elevator & Equipment Co., San Francisco, at \$4614.

MARCH FIELD, Riverside Co., Cal.—Garrett Plumbing Co., 3333 S Pacific Ave., San Pedro, at \$13,990 submitted lowest bid on Proposition No. 1 to Constructing Quartermaster at March Field on Sept. 21 for furnishing and installing a gasoline fueling system at March Field. Complete bid follows:

Garrett Plumbing Co., hydraulic equipment, \$15,990; electric equipment, no bid; deduct \$425 for omission of one or more pit fueling boxes; deduct \$200 for omission of fueling pit lights; add \$1200 for meter; deduct \$650 for omission of one 25,000 gallon pressure tank.

Bids Opened.
PAINTING Cost, \$—
SAN FRANCISCO, 100 Harrison St.

Painting walls, ceilings, woodwork, dado, etc., in all offices and corridors of fifth floor.

Owner—Twelfth Naval Dist., 100 Harrison Street.

Following is a complete list of bids:
R. P. Paoli, 3159 Fillmore St., \$1,830
Aristo Painting Co., 1,976
Pacific Painting & Decorating Co., 1,989
D. E. Burgess, 2,230
J. H. Devert, 2,235
A. Geckler & Rocca, 2,875
A. B. C. Painting Co., 2,985
Raphael Company, 3,200

Bids held under advisement.

HALLS AND SOCIETY BUILDINGS

ARCATA, Humboldt Co., Cal.—Faith Mission, 1063 G St., has started erection of a new mission house at 11th and J Streets; will be 26 by 36 ft., with main auditorium to seat 150 people. Rev. Walter B. Jones is pastor.

WOODLAND, Yolo Co., Cal.—Ernest Conger and Mrs. M. E. Jones, representing the women's council, have been appointed by the Y. M. C. A. to secure estimates of cost for remodeling the club quarters. It is proposed to make additions to the present structure and renovate the interior.

STIRLING CITY, Butte Co., Cal.—Construction will be started shortly by Ray Sessett Truss No. 35 on a new community clubhouse, 21-ft. long, 18-ft. wide, of frame construction.

PINOLE, Contra Costa Co., Cal.—Local civic organization will make a drive for funds to finance construction of a new community hall to replace structure recently destroyed by fire.

Painting Contract Awarded.

BUILDING Cost, \$40,000
SAN FRANCISCO. Joyce and Clay Streets.

Two-story reinforced concrete building (Chinese style).

Owner—Chinese Y. W. C. A., 397 Sacramento Street.

Architect—Miss Julia Morgan, Merchants' Exchange Bldg.

Contractor—K. E. Parker, 135 South Park.

Painting—A. Quandt & Son, 374 Guerrero Street.

Other awards reported Aug. 28.

Preparing Preliminary Sketches.

CLUB Cost, \$90,000
SACRAMENTO, Sacramento Co., Cal. Seventh and N Streets.

Three-story reinforced concrete club.

Owner—Y. W. C. A.

Architect—Charles De an, California State Life Bldg., Sacramento.

Sub-Bids Wanted.

MEMORIAL BLDG. Cost, \$60,000

ALBANY, Alameda Co., Cal.

Two-story reinforced concrete Veterans' Memorial Building (Spanish type, tile roof, ornamental iron, gas heating).

Owner—County of Alameda, George E. Gross, county clerk.

Architect—H. H. Meyers, Kohl Bldg., San Francisco.

Young & Horstmeier, 461 Market St., San Francisco, general contractors, desire sub-bids on all portions of the work in connection with the above for which bids are to be opened Oct. 6, 10:30 A. M.

HOSPITALS

Bids Opened.
WARD BLDG., ETC. Cost, \$150,000
ELDRIDGE, Sonoma Co., Cal.

One-story ward building and one-story addition to school (ward building will have reinforced concrete foundations, floors, walls and partitions, roof of wood frame covered with clay tile. School addition to have reinforced concrete foundation and exterior walls, wood floors, wood frame roof covered with clay tile).

Owner—State of California.

Architect—Powers & Ahnden, 605 Market St., San Francisco.

Following is a complete list of bids: (1) deduct for omitting wing of shop building.

General Work

William Spivock, Hobart Bldg., San Francisco.....\$74,333

(1) 2,700

George J. Maurer, Oakland.....76,580

(1) 2,450

H. Mayson, Long Beach.....76,590

(1) 3,400

F. C. Amoroso & Son, S. F.....78,380

(1) 1,900

R. C. Stickle, South San Francisco.....78,473

(1) 3,170

J. S. Hannah, San Francisco.....78,680

(1) 3,164

H. L. Petersen, San Francisco.....79,979

(1) 3,100

W. G. Thornally, Oakland.....80,170

(1) 3,520

The Minton Co., Palo Alto.....80,524

(1) 3,500

A. Nelson, San Francisco.....81,625

(1) 3,355

Campbell Const. Co., Sacto.....\$1,800

(1) 3,000

J. F. Shepherd, Stockton.....\$1,857

(1) 2,996

P. H. Riley, Stockton.....\$3,710

(1) 2,656

Mercer Fraser Co., Eureka.....\$2,875

(1) 3,500

Plumbing

J. A. Fazio, 402 Castro Street, Oakland.....\$6,166

(1) 700

Woodland Plumbing & Hardware Co., Woodland.....6,889

(1) 622

W. H. Robinson, Los Angeles.....7,052

(1) 625

Ray Kynock, Petaluma.....7,219

(1) 465

Carpenter & Mendenhall, Sacramento.....7,241

(1) 390

Fred W. Snook Co., S. F.....7,364

(1) 740

Carl T. Doell, Oakland.....7,597

(1) 550

O'Mara & Stewart, S. F.....8,485

(1) 875

W. C. Kinder, Napa.....8,774

(1) 714

Electric Work

Decker Electrical Const. Co., 538 Bryant St., San Francisco.....\$2,704

(1) 306

Superior Elec. Co., San Francisco.....2,830

(1) 230

Bennett and Taylor.....3,094

(1) 258

Roy M. Butcher, San Jose.....3,125

(1) 182

W. B. Baker & Co., S. F.....3,148

(1) 260

Gilbert Bros., San Jose.....3,364

(1) 231

Cox Electric, Red Bluff.....3,447

(1) 256

Eddy Electric Co., San Francisco.....3,459

(1) 315

Butte Elec. Equip. Co., S. F.....3,517

(1) 145

Carl T. Doell, Oakland.....3,675

(1) 250

G. H. Armstrong, San Francisco.....3,900

(1) 100

Heating

F. W. Snook Co., 596 Clay St., San Francisco.....\$8,640

(1) 155

W. A. Aschen, Oakland.....8,694

(1) 110

George Bell, Oakland.....8,784

(1) 100

Pacific Heating and Ventilating, Oakland.....8,960

(1) 85

Ukiah Plumbing & Heating Co., Ukiah.....8,995

(1) 123

Woodland Plumbing & Hardware Co., Woodland.....9,049

(1) 112

Carpenter & Mendenhall, Sacto.....9,223

(1) 130

O'Mara & Stewart, S. F.....9,233

(1) 90

Ray Kynock, Petaluma.....9,236

(1) 115

J. A. Nelson, Inc., San Francisco.....9,345

(1) 92

F. J. Kennedy, Martinez.....9,475

(1) 110

Carl T. Doell, Oakland.....9,597

(1) 75

W. H. Robinson, Los Angeles.....9,948

(1) 138

Mechanical Work Complete

Woodland Plumbing & Hardware Co., Woodland.....\$15,439

(1) 794

Scott Co., San Francisco.....15,843

(1) 670

Herman Lawson, San Francisco.....16,000

(1) 700

Jos. Black, Stockton.....16,300

(1) 640

Ray Kynock, Petaluma.....16,456

(1) 580

Hately & Hately, Sacramento.....16,456

(1) 650

Mechanical Con. Co., S. F.....16,840

(1) 660

W. H. Robinson, Los Angeles.....17,000

(1) 755

Carl T. Doell, Oakland.....17,037

(1) 625

O'Mara & Stewart, S. F.....17,618

(1) 975

Miller-Hays Co., Stockton.....17,690

(1) 850

George A. Schuster, Oakland.....18,645

(1) 1,045

Bids held under advisement.

Contract Awarded.

PREVENTORIUM Cost, \$80,375

REDWOOD CITY, San Mateo Co., Cal.

Three frame and stucco preventorium buildings with tile roofs.

Owner—City and County of San Francisco, S. J. Hester, Sec'y, Board of Public Works.

Architect—H. H. Meyers, Kohl Bldg., San Francisco.

Contractor—R. C. Stickle, South San Francisco.

NOTE: Board of Public Works rejected the bid of I. Epp and Sons, 4745 Geary St., the lowest bidder at \$74,960.

These contractors failed to produce a contractors' license as required by state law.

Preparing Working Drawings.

KITCHEN & REFRIG. PLANT

Cost, \$118,000

STOCKTON, San Joaquin Co., Cal.

State Hospital.

One-story kitchen and refrigeration plant (reinforced concrete construction; tile roof).

Owner—State of California.

Architect—Peter Sala, 2130 N-Commercial St., Stockton.

Mechanical Engr.—Coddington Co., 222 Kearny St., San Francisco.

It is expected to call for bids in about thirty days.

Contract Awarded.

WARD BLDGS. Cont. price, \$17,354

MURPHY, Calaveras Co., Cal. Bret Harte Sanitarium.

Two one-story frame and stucco ward buildings (each to accommodate 20; asbestos shingle roof, electric heating system).

Owner—Bret Harte Sanitarium, Murphy.

Architect—Jos. Losekann, 1218 West Harding St., Stockton.

Contractor—George Roek, 1724 West Cornell St., Stockton.

(6372) 1st report Aug. 13; 5th, Sept. 15, 1931.

Completing Plans.

BUILDING Cost, \$75,000

SPADRO, Los Angeles Co., Cal. Pacific Colony.

Reinforced concrete building (hollow tile partitions, wood floors and roof, tile roof).

Owner—State of California.

Architect—Walker & Eisen, Western Pacific Bldg., Los Angeles.

Bids will be asked about Oct. 1st.

Bids Wanted — To Close October 13, 10 A. M.

HOSPITAL ADDITION Cost, \$15,000

SANTA BARBARA, Santa Barbara Co., Cal. County Hospital.

Reinforced concrete addition to sanitarium.

Owner—County of Santa Barbara.

Architect—Edwards & Plunkett, 20 E-Figueroa St., Santa Barbara.

Plans Being Figured—Bids Close Oct. 20, 2 P. M.

WARD BLDG. Cost, \$—

NORWALK, Los Angeles Co., Calif. State Hospital grounds.

Two-story brick and hollow tile ward building No. 20.

Owner—State of California.

Architect—Plans by State Department of Public Works, Division of Architecture, Public Works Building,

Sacramento (Geo. B. McDougall, state architect).

The structure will have reinforced concrete foundation and floors, brick walls, hollow tile partitions, wood roof framing and clay tile roof. Separate bids are wanted for:

(1) General work, embracing all branches of the construction other than electric, heating and plumbing work.

(2) Electrical work.

(3) Heating work.

(4) Plumbing work.

(5) Combined heating and plumbing work.

Prevailing rate of wages to be paid on this project is cited in the official proposal published in this issue. Plans obtainable from the State Department of Public Works, Division of Architecture, Public Works Bldg., Sacramento, on deposit of \$25, returnable.

Commissioned To Prepare Plans.

HEATING Cost, \$—
REDWOOD CITY, San Mateo Co., Cal. Install heating plant in juvenile home. Owner—County of San Mateo.
Architect—Will H. Toepke, Call Bldg., San Francisco.

Sub-Bids Being Taken.

HEALTH CENTER Cost, \$248,979
SAN FRANCISCO. Polk and Grove Streets.

General construction for 4-story and basement reinforced concrete Class A health center, emergency hospital and office building.

Owner—City and County of San Francisco, S. J. Hester, Sect'y., Board of Public Works.

Architect—S. Heiman, 57 Post St., San Francisco.

Structural Engineers—Ellison & Russell, Pacific Bldg., San Francisco.
Contractor—H. L. Peterson, 731 Treat Ave., San Francisco.

Sub-bids are wanted on all portions of the work.

HOTELS

Painting Contract Awarded.

HOTEL Cost, \$300,000
SAN FRANCISCO. Powell and Clay Streets.

Seven-story class B steel frame and concrete hotel (concrete and composition roof; assembly hall with small stage).

Owner—Young Women's Christian Association, 620 Sutter St.

Architect—Miss Julia Morgan, Merchants' Exchange Bldg.

Contractor—K. E. Parker Co., 135 So. Park.

Painting—A. Quandt & Son, 374 Guerrero Street.

Other awards reported August 28.

POWER PLANTS

Bids Opened.

STATION Cost, \$—
BERKELEY, Alameda Co., Cal. Campus of University of California. One-story reinforced concrete sub-station.

Owner—University of California.

Architect—Not Given.

Low Bidder—Geo. J. Maurer, 50 York Drive, Oakland.

Following is a complete list of bids: George J. Maurer, Oakland, \$11,587; 75 days.

Ralph McLean, San Francisco, \$11,760; 100 days.

Empire Const. Co., San Francisco, \$11,880; 90 days.

Dinwiddie Const. Co., San Francisco, \$11,940; 120 days.

N. H. Sjoberg, San Francisco, \$12,253; 100 days.

S. J. Bertlesen, Oakland, \$12,356; 90 days.

R. W. Littlefield, Oakland, \$12,759; 75 days.

Chas. Vezev & Son, Oakland, \$12,990; 75 days.

Connor & Connor, Oakland, \$13,267; 100 days.

Sullivan & Sullivan, Oakland, \$13,395; 95 days.

C. Dudley De Velbias, San Francisco \$14,100; 70 days.

Bids held under advisement until Oct. 13.

WAPATO PROJECT, Wash.—Until Oct. 5, 10 A. M. bids will be received by U. E. Indian Irrigation Service, 751 S-Figueroa St., Los Angeles, to furnish turbines and generators for Drop 3 Power Station and Pumping Plant, Wapato Indian Irrigation Project, Washington. Bids are also wanted on the services of an erecting engineer. Plans and specifications obtainable from above office.

LOS ANGELES, Cal.—Until 11 A. M. October 8, bids will be received by the city purchasing agent, Thomas Oughton, for furnishing two G. E. type F.H. 206-B, 2000 amp., 15,000 volt, 750,000 KVA, oil circuit breakers, f.o.b. 1630 N Main St., for department of water and power, under Specifications No.

SEATTLE, Wash.—Bids will probably be asked the latter part of this year for completion of the municipal power house below Diablo Dam site on the Skagit river and for the installation of equipment upon completion of the structure. The power house will cost from \$300,000 to \$400,000 and the machinery about \$300,000. About six months' time will be required for the power house work and installation of a crane to handle the heavy generating machinery.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

September 19, 1931

Metal Sash Contract Awarded.

WAR MEMORIAL Cont. Price, \$27,920

Metal sash for four-story and basement concrete Class A Legion Building and six-story Class A Opera House, seating 4000; standing room, 500.

Owner—City and County of San Francisco (S. F. War Memorial).

Architects—G. A. Lansburgh, 140 Montgomery St. and Arthur Brown Jr., 251 Kearny St., S. F.

Mrgs. of Const.—Lindgren & Swinerton, Inc., 225 Bush St., S. F.

Contractor—Crittall Casement Window Co., Rep. by Gates Tatterton Co., 557 Market St., San Francisco.

Opera House, \$12,095; Veterans' Building, \$15,835.

Complete bid listing published September 16.

September 19, 1931

Plans Being Completed.

REMODELING Cost, \$30,000

STOCKTON, San Joaquin Co., Cal. Hunter Street.

Remodel two-story brick and concrete fire house (four fire fighting units; rebuild front of building).

Owner—City of Stockton.

Architect—Peter Sala, 2130 N-Commerce St., Stockton.

Bids will be asked shortly.

Miscellaneous Iron Contract Awarded

WAR MEMORIAL

Cont. Price, \$31,335
SAN FRANCISCO. Civic Center.

Miscellaneous iron for four-story and basement concrete class A Veterans' Bldg. and six-story Class A Opera House, seating 4000; standing room, 500.

Owner—City and County of San Francisco (S. F. War Memorial).

Architects—G. A. Lansburgh, 140 Mont-

gomery Et., and Arthur Brown Jr., 251 Kearny St., San Francisco.

Mrg. of Const.—Lindgren & Swinerton, Inc., 225 Bush St., S. F.

Miscellaneous Iron—Mourach, Iron Works, 262 7th St., San Francisco. Opera House, \$14,965; Veterans' Building, \$14,970.

Complete list of bids published Sept. 10.

Plans Being Figured—Bids Close Sept. 29, 2 P. M.

WAR MEMORIAL Cost, \$5,000,000
SAN FRANCISCO. Civic Center.

Elevators for four-story and basement concrete class A Veterans' Bldg. and 6-story class A Opera House, seating 4000; standing room, 500.

Owner—City and County of San Francisco (S. F. War Memorial).

Architects—G. A. Lansburgh, 140 Montgomery St. and Arthur Brown Jr., 251 Kearny Street.

Mrgs. of Const.—Lindgren & Swinerton, Inc., 225 Bush St.

Certified check 10% payable to Trustees of the War Memorial of San Francisco required with bid. Plans obtainable from 451 Montgomery St., San Francisco.

Prospective Bidders.

COURT HOUSE Cost, \$180,000
SAN JOSE, Santa Clara Co., Cal.

Rebuilding county courthouse destroyed by fire (using present brick walls and foundations) and construct an additional story of steel frame and concrete construction (tile roof, steam heating system).

Owner—County of Santa Clara, Henry A. Pfister, county clerk.

Architect—Binder and Curtis, 35 West San Carlos St., San Jose.

Structural Engineer—Wm. D. Lotz, 1040 Benton St., San Jose.

Following contractors have secured plans:

F. T. Edmans, San Jose.

J. Byron, San Jose.

The Minton Co., Palo Alto.

Chas. Thomas, San Jose.

J. D. Carlson, 1331 Sierra St., San Jose.

R. O. Summers, 17 N First St., San Jose.

Preparing Working Drawings.

FIRE STATION Cost, \$22,000
WOODLAND, Yolo Co., Cal.

Two-story frame and stucco fire department building in connection with city hall plant.

Owner—City of Woodland.

Architect—Chas. Dean, Sacramento.

Bldg., Bakersfield.

Plans Ordered.

REMODEL COURTHOUSE Cost, \$—
MERCED, Merced Co., Cal.

Remodel east stairway bet. ground floor and main floor for Judge's chamber.

Owner—County of Merced, P. J. Thornton, county clerk, Merced.

Plans by W. E. Bedesen, county surveyor, Shaffer Bldg., Merced.

Plans will be presented at the next board meeting.

Contract Awarded.

ADDITION Cont. Price \$7163
ISLETON, Sacramento Co., Cal.

One-story top addition to fire house and city hall (brick veneer and frame construction; ground floor 8-inch brick wall to match present building; auditorium, bedrooms, locker and shower rooms).

Owner—Town of Isleton.

Architect—W. E. Coffman, Forum Bldg., Sacramento.

Engineer—Frank Talbot, Forum Bldg., Sacramento.

Contractor—J. F. Watson, Isleton.

Plans Being Figured—Bids Close Oct. 5th.
JAIL. Cost, \$—
WASCO, Kern Co., Cal.
One-story branch county jail.
Owner—County of Kern, F. E. Smith, county clerk.
Architect—Edwin J. Symmes, Habersfelde Bldg., Bakersfield.
Plans on file in office of the county clerk at Bakersfield.

Marble Bids Wanted—Bids Close Oct. 6, 2 P. M.

WAR MEMORIAL. Cost, \$5,000,000
SAN FRANCISCO. Civic Center.
Marble for four-story and basement concrete Class A Veterans' Bldg., and 6-story Class A Opera House, seating 4000; standing room, 500.
Owner—City and County of San Francisco (S. F. War Memorial).
Architects—G. A. Lansburgh, 140 Montgomery St., and Arthur Brown Jr., 251 Kearny Street.

Mrs. of Const.—Lindgren & Swinerton, Inc., 225 Bush St.
Plans for this work are obtainable from the offices of the San Francisco War Memorial, 451 Montgomery St.

Commissioned To Prepare Plans.
REMODELING. Cost, \$—
REDWOOD CITY, San Mateo Co., Cal.
Remodeling old county jail building for county offices.
Owner—County of San Mateo.
Architect—Will H. Toepeke, Call Bldg., San Francisco.

Contract for this work previously awarded to Gus Waller of Redwood City has been cancelled by the county supervisors and Architect Toepeke commissioned to prepare plans for the improvements.

Plans To Be Prepared.
REMODELING. Cost, \$1500
OROVILLE, Butte Co., Cal.
Remodeling present fire hall for use as offices for city clerk and police headquarters.
Owner—City of Oroville.
Architect—Not Selected.

To Ask Bids In One Week.
REMODELING. Cost, \$30,000
STOCKTON, San Joaquin Co., Calif.
Hunter Street.
Remodel two-story brick and concrete fire house (four fire fighting units; rebuild front of building).
Owner—City of Stockton.
Architect—Peter Sala, 2130 N Commerce St., Stockton.

FRESNO, Fresno Co., Cal.—Kellner Lumber Co., Ventura and R Streets, Fresno, at \$2,200 awarded contract by city council for re-roofing the Fresno Municipal Auditorium.

Plans Being Prepared.
HEATING PLANT. Cost, \$1300
PACIFIC GROVE, Monterey Co., Cal.
Heating system for public library.
Owner—City of Pacific Grove.
Plans by Erwin Dames, city manager, Monterey.

Preliminary Plans Approved.
ARMORY. Cost, \$50,000
PASADENA, Los Angeles Co., Calif.
Raymond near Walnut St.
Two-story and basement masonry armory (75x100-ft.).
Owner—State of California.
Architect—Bennett & Haskell, First Trust Bldg., Pasadena.

RESIDENCES

Construction Postponed Indefinitely.
RESIDENCE. Cost, price, \$740
MOESTO, Stanislaus Co., Cal.
One-story and basement frame and stucco residence (Spanish type; 6

rooms; tile bath, tile roof).
Owner—Richard Linstrom, 426 Bodern, Modesto.
Architect—G. N. Hilburn, Elks Bldg., Modesto.
Low Bidder—Leonard Scranton, Modesto.

Contract Awarded.
RESIDENCE. Cost, \$5750
DIXON, Solano Co., Cal.
One-story and basement brick veneer residence (5 rooms) brick garage, English type.
Owner—Chas. L. Walker, Dixon.
Architect—Not Given.
Contractor—Guth & Fox, 1516 27th St., Sacramento.

Contract Awarded.
RESIDENCE. Cost, \$6665
SALINAS, Monterey Co., Cal. Riker and Jackson Survey.
Two-story frame and stucco residence.
Owner—F. W. Winham, 307 Riker St., Salinas.
Architect—Not Given.
Contractor—Herbert P. Kimzey, Romey Lane, Salinas.

Contract Awarded.
RESIDENCE. Cost, \$6667
SAN MATEO, San Mateo Co., Cal.
Edgewood Park.
Two-story frame and stucco residence (composition tile roof; gas heat, etc.).
Owner—Milton H. Clarkson, 1945 Broadway, San Francisco.
Architect—Not Given.
Contractor—H. E. Bourquin, 1649 Brewster St., Redwood City.

Contract Awarded.
RESIDENCES. Cost, \$21,000
SANTA BARBARA, Santa Barbara Co., Cal. No. 617-23 De La Vine Street.
Nine one-story frame and stucco residences.
Owner—W. R. Allen.
Architect—Not given.
Contractor—A. E. Schuster, 226 W. Valeriot St., Santa Barbara.

Contract Awarded.
RESIDENCE. Cost, \$7524
OAKLAND, Alameda Co., Cal. Lakeshore Manor Tract.
Two-story frame and stucco residence.
Owner—Harry and Karen Stevens.
Architect—Not Given.
Contractor—Irwin H. Reimers, 745 Walla Vista, Oakland.

To Be Done By Owner's Own Forces.
RESIDENCES. Cost, \$100,000
BOULDER CITY, Nevada.
150 one-story frame temporary residences (100 two-room residences; composition shingle roof).
Owner—The Six Companies, 405 Montgomery St., San Francisco.
Architect—George de Colmesnil, Hunter-Dulin Bldg., San Francisco.
Construction of the 3-room residences has been temporarily abandoned.

Sub-Bids Being Taken.
RESIDENCE. Cost, \$8000
MILLERAIE HIGHLANDS, San Mateo Co., Cal. Lot 10 Block 23.
One and one-half-story frame and stucco residence (6 rooms; part tile, tar and gravel roof, gas heat, wood sash, colored tile bath and kitchen).
Owner and Builder—Arne Arneson, 195 Lowell St., San Francisco.
Architect—Chas. Strothoff, 2274 15th St., San Francisco.

Sub-Bids Being Taken.
RESIDENCE. Cost, \$10,000
PIEDMONT, Alameda Co., Calif. 394 Mountain Avenue.
Two-story and basement frame and stucco residence (9 rooms).

Owner and Builder—F. L. Woodburn, 617 Walla Vista Ave., Oakland.
Architect—W. E. Schirmer, 700 21st St., Oakland.

Contract Awarded.
RESIDENCE. Cost, price, \$12,970
SAN MATEO, San Mateo Co., Calif.
Baywood Park.
Two-story and basement frame and stucco residence (9 rooms, 3 baths; tile roof, gas heating, electric refrigeration, tile baths and kitchen).
Owner—Harold Wolcke.
Plans by Grimes & Schoening, Balovich Bldg., San Francisco.
Contractor—Floyd Van Gelder, 1716 Delaware St., Berkeley.

Plans Being Figured.
RESIDENCE. Cost, \$15,000
SAN MATEO, San Mateo Co., Calif.
Baywood Park.
Two-story and basement frame and stucco residence (10 rooms and 3 baths; gas heating, electric refrigeration, tile roof, tile baths and kitchen).
Owner—Dr. Paul J. Hanzlik, 819 Prospect Ave., San Mateo.
Plans by Grimes & Schoening, Balovich Bldg., San Mateo.

Contract Awarded.
ALTER RESIDENCE. Cost, \$3000
BERKELEY, Alameda Co., Cal. No. 2437 Piedmont Avenue.
Alterations and additions to two-story rustic residence (add living room, library, porch and hall); half timber and plaster construction.
Owner—J. N. Gillett, Premises.
Architect—Not Given.
Contractor—Matt Kiski, 47 Ramona St., Piedmont.

Preparing Working Drawings.
RESIDENCE. Cost, \$7000
PIEDMONT, Alameda Co., Cal.
Two-story frame and stucco residence (6 rooms, shingle roof, gas heating system, tile bath, hardwood floors, etc.).
Owner—Withheld.
Architect—Fred H. Reimers, 233 Post St., San Francisco.
Plans will be ready for bids in about two weeks.

Contract Awarded.
RESIDENCE. Cost, \$20,000
BAKERSFIELD, Kern Co., Cal. NW Cleander Ave. and First St.
One-story adobe brick residence (Spanish type).
Owner—Clarence Cullimore, 10 Cleander Ave., Bakersfield.
Plans by Owner.
Contractor—J. C. Burke, 1305 K St., Bakersfield.

To Take Bids In One Week.
RESIDENCE. Cost, \$8000
OAKLAND, Alameda Co., Cal. Sunnyside Road.
Two-story and basement frame and stucco residence (6 rooms, 2 baths; shingle roof, gas heat, tile baths and kitchen, hardwood floors).
Owner—E. Wells, Jr.
Architect—Ray Keefer and E. L. Herberger, 770 Westley Ave., Oakland.

Sub-Bids Being Taken.
RESIDENCES. Cost, \$6000 to \$15,000
SAN FRANCISCO. Adjoining Suro Heights and facing on Anza, Geary Point Lobos, Clement, 45th, 46th, 47th and 48th Avenues and Harding Blvd.
Four hundred 1-story and basement and 2-story and basement frame and stucco residences (laundry, social hall, tile roof, gas heating system, tile baths and kitchens).
Owner and Builder—Kiernan and C'Brien, 47th Ave. and Geary Street (Tract office).

Architect—Albert H. Larsen, 447 Sutter Street.
Construction is under way on five residences and three more will be started next week.

Sub-Contracts Awarded.
RESIDENCE Cost, \$5000
BERKELEY, Alameda Co., Cal. 1417 Parker Street.

One-story an disament frame and stucco residence (6 rooms).
Owner—L. K. Barker, 853 45th Street, Oakland.

Architect—Not Given.
Contractor—W. E. Bethel, 1400 Ashby Ave., Berkeley.

The roofing bids wanted.
Plumbing—J. R. Pierce Plumbing Co., 7109 E 14th St., Oakland.

Millwork—Tilden Lbr. & Mill Co., 400 Hight St., Oakland.

Sheet Metal—M. C. Henry, 1183 53rd St., Oakland.

Heating—Atlas Heating & Ventilating Co., 1451 32nd St., Oakland.

Tile—Superior Tile & Products Co., 3743 Broadway, Oakland.

Owner Taking Bids.
RESIDENCE Cost, \$4000
OAKLAND, Alameda Co., Cal. Oakmore Tract.

One-story and basement frame and stucco residence (5 rooms); shingle roof, stucco exterior, gas heat, tile bath and kitchen).

Owner—George Nash, 2762 E 21st St., Oakland.

Plans by L. F. Hyde, 372 Hanover St., Oakland.

To Ask Bids In One Week.
RESIDENCE Cost, \$3000
OAKLAND, Alameda Co., Cal. Sunnyside Road.

Two-story and basement frame and stucco residence (6 rooms, 2 baths; shingle roof, gas heat, tile baths and kitchen, hardwood floors).

Owner—E. Wells Jr.
Architect—Ray Keefer and E. L. Herberger, 770 Westley Ave., Oakland.

To Ask Bids In About Two Weeks.
RESIDENCE Cost, \$6500
BERKELEY, Alameda Co., Cal. Berkeley View Terrace.

Two-story and basement frame and stucco residence (5 rooms; shingle roof, oil burning system, refrigerator, colored tile bath, etc.)

Owner—G. S. Mushet, 324 43rd Street, Richmond.

Plans by A. R. Herberger, 3281 Lakeshore Blvd., Oakland.

Plans Being Prepared.
RESIDENCE Cost, \$10,000
BERKELEY, Alameda Co., Cal. Claremont Pines.

Two-story and basement frame and rustic residence (shingle roof, electric refrigeration, colored tile baths and kitchen).

Owner—Dr. Howard E. Allen, 2490 Channing Way, Berkeley.

Plans by F. Conser, % E. L. Snyder, 2101 Shattuck Ave., Berkeley.

Plans Being Prepared.
REMODEL RESIDENCE Cost, \$2500
OAKLAND, Alameda Co., Calif. 4420 Bridgeview Drive.

Alterations and additions to two-story frame and stucco residence (add reinforced conc. and wood frame wing, two rooms, the roof, steel sash, plumbing, drain tile, painting and decorating).

Owner—Bestor Robinson, 1st National Bank Bldg., Oakland.

Architect—Guy L. Brown, American Bldg., Oakland.
Bids will be called for shortly.

Contract Awarded—Sub-Bids Being Taken.

RESIDENCE Cost, \$5500
OAKLAND, Alameda Co., Cal.

Two-story frame and stucco residence (5 rooms, 2 baths; tile roof, hot air heating system, etc.)

Owner—Arthur McCord.

Architect—F. H. Slocombe, 3830 Harrison St., Berkeley.

Contractor—Harry C. Knight, 327 17th St., Oakland.

Construction Postponed Temporarily.
RESIDENCE Cost, \$8000
BERKELEY, Alameda Co., Calif. Euclid Avenue.

Two-story and basement frame and stucco residence (6 rooms, tile roof hardwood floors and trim, electric refrigeration).

Owner—Dr. B. Gray, 2513 Rose Walk, Berkeley.

Architect—H. H. Gutterson, 526 Powell St., San Francisco.

Sub-Bids Wanted.
RESIDENCE Cost, \$—

LOMITA PARK, San Mateo Co., Cal.

One-story and basement frame and stucco residence (7 rooms; tile roof).

Owner and Builder—Frank Grisez, 224 Hillcrest Blvd., Millbrae Highlands

Architect—B. Cooper Corbett, 1720 Pacific Ave., San Francisco.

Contract Awarded.
RESIDENCE Cost, \$11,400
PALO ALTO, Santa Clara Co., Cal. 1255 Hamilton Ave.

Two-story and basement frame and stucco residence (10 rooms).

Owner—Dr. Walter A. Jilison.
Architect—Guy Koeppe, Carmel Woods, Carmel.

Contractor—Osborne & Knight, Mt. View.

Contract Awarded.
DWELLING \$3750
COLUSA, Colusa Co., Cal. Fourth St. near Clay St.

One-story frame residence (5 rooms).

Owner—R. W. Grenfell Lumber Co., Colusa.

Private plans.
Contractor—L. S. Lewis, Sth and Main Sts., Colusa.

This is the first of five residences to be erected. Total cost, \$30,000.

Contract Awarded.
RESIDENCE Cost, \$50,000
WEST LOS ANGELES, Cal.

Two-story brick veneer residence (15 rooms); tile roof, incinerator, etc.

Owner—Mrs. Van Ward.

Architect—Ray J. Kieffer, 5369 Wilshire Blvd., Los Angeles.

Contractor—M. Burgbacher & Sons, 469 S. Fairfax Ave., Los Angeles.

Low Bidders.
RESIDENCE Cost, \$—

SAN MATEO, San Mateo Co., Cal. Baywood Park.

Two-story and basement frame and stucco residence (9 rooms, 3 baths, tile roof, gas heating, electric refrigeration, tile baths and kitchen)

Owner—Harold Wolcotte
Plans by Grimes & Schoening, Balovich Bldg., San Francisco.

Floyd Van Gelder, 1716 Delaware St., Berkeley.....\$12,970

Thomas Cavanaugh, 235 3rd Ave., San Mateo12,975

Contract will be awarded to either of the above within a few days.

Preparing Preliminary Plans.
RESIDENCE Cost, \$18,000

PALO ALTO, Santa Clara Co., Cal.

Two-story and basement frame and stucco residence (10 rooms, and 3 baths; shingle or slate roof, English type..

Owner and Builder—Cleveland Smith, President Hotel, 935 Geary St., San Francisco.

Architect—Treichel & Goodpastor, 1540 San Pablo Ave., Oakland.

Construction Postponed Indefinitely.
RESIDENCE Cost, \$15,000

HILLSBOROUGH, San Mateo Co., Cal. Two-story and basement frame and stucco residence (3 rooms, 3 baths, tile roof, garage for 3 cars).

Owner—Dr. Bell.

Architect—Gardner Dalley, 425 Mason St., San Francisco.

Plans Being Prepared.
RESIDENCES Cost \$5500-\$6000

SAN FRANCISCO, Vicente, Escalada Way, 30th and 31st Ave., block 2665.

Six one-story and basement frame and stucco residences (5 rooms each; tile and composition roof, gas heat, colored tile baths and kitchen, hardwood floors).

Owner and Builder—Gordon Morris, 95 Pinchurst Way.

Architect—Not Given.

These are the first of a group of residences to be erected on the entire block.

Plans Being Prepared.
RESIDENCE Cost, \$10,000

PALO ALTO, Santa Clara Co., Cal.

One-story and basement frame and stucco residence (7 rooms; full tile roof, gas furnace, colored tile bath and kitchen).

Owner and Builder—Cleveland Smith, President Hotel, 935 Geary Street, San Francisco.

Architect—Treichel & Goodpastor, 1540 San Pablo Ave., Oakland.

Plans Being Prepared.
RESIDENCE Cost, \$7000

PALO ALTO, Santa Clara Co., Cal.

One-story and basement frame and stucco residence (five rooms); (shingle roof, gas furnace, colored tile bath and kitchen; English type).

Owner and Builder—Cleveland Smith, President Hotel, 935 Geary St., San Francisco.

Architect—Treichel & Goodpastor, 1540 San Pablo Ave., Oakland.

Preparing Preliminary Plans.
RESIDENCE Cost, \$24,000

PIEDMONT, Alameda Co., Cal.

Two-story and basement residence (French style; probably brick and stone veneer construction with tile roof).

Owner—Withheld.

Architect—J. E. Dinwiddie, 525 Market St., San Francisco.

Sub-Bids Wanted.
RESIDENCE Cost, \$8500

BERKELEY, Alameda Co., Calif. 10 Acacia Avenue.

Two-story and basement frame and stucco residence (7 rooms and 3 baths, Spanish tile, hand-made tile roof, steel sash, hardwood floors, tile baths, gas heating system).

Owner—A. E. Galigher, 2350 Corona Court, Berkeley.

Plans by Mr. Walker.

Contractor—J. M. Walker, 1709 Grove St., Berkeley.

Sub-bids are wanted on tile work (kitchen and baths), painting, hardwood floors, finish hardware, window shades, tile roof, concrete flat work.

Glass—W. P. Fuller Co., 259 10th St., Oakland.

Plastering—Scott & Speer, Oakland.

Other awards reported July 27.

Contract Awarded.
RESIDENCE Cost, \$—

DAVIS, Yolo Co., Cal.

One-story and basement frame and stucco residence.

Owner—Mrs. Gough.

Architect—W. E. Coffman, Forum Bldg., Sacramento.

Contractor—James Duthy, Davis.

Concrete Contract Awarded.
RESIDENCE Cost, \$6000
STOCKTON, San Joaquin Co., Calif.
Vine Street.

One-story and basement frame and brick veneer residence (6 rooms; tile and composition roof, gas heat hardwood floors, tile bath and kitchen).

Owner—M. O'Neil.
Architect and Mgrs. of Const.—Davis-Pearce Co., Grant and Weber Sts., Stockton.

Concrete—A. Sandborg, 1846 Mt. Diablo Ave., Stockton.
Sub-bids are wanted on all portions of the work.

SCHOOLS

BERKELEY, Alameda Co., Cal.—C. F. Bulotti Machinery Co., 829 Folsom St., San Francisco, at \$2878 submitted low bid to Board of Education to furnish and deliver one used engine laths and one used shaper. Complete list of bids will be found under "Machinery and Equipment" in this issue.

Contract Awarded.
SCHOOL Cont. price, \$6780
SALINAS, Monterey Co., Cal.

One-story frame and stucco school (tile roof, gas appliance heat).

Owner—Spring School District.
Architect—Chas. F. Butner, Glikbarg Bldg., Salinas.

Contractor—C. M. Norgrove, 2220 Roosevelt Way, Berkeley.

Following is a complete list of bids:

C. M. Norgrove, Berkeley.....\$6,780

R. Peterson, Watsonville.....6,955

W. E. Green, Salinas.....7,023

J. H. Graham, Salinas.....7,135

M. J. Murphy, Carmel.....7,180

H. H. Larsen, San Francisco.....7,213

Fred. Carlsen, Salinas.....7,335

J. F. Kraus, Salinas.....7,374

Harold Geyer, Monterey.....7,544

Contracts Awarded.
ADDITIONS Cost, \$—
SALINAS, Monterey Co., Cal. Lincoln and Roosevelt Schools.

Alterations and additions to frame and stucco schools (tile roofs, steam heating system to connect to main heating plant).

Owner—Salinas City School District.
Architect—Chas. F. Butner, Glikbarg Bldg., Salinas.

Contractor—J. H. Graham, Romey Lane, Salinas.

Plumbing, Heating and Sheet Metal—Anderson, Dougherty & Harges, 225 Main St., Salinas.

Electric Work—Salinas Electric Co., 272 Main St., Salinas.

Following is a complete list of bids:

General Work

J. H. Graham, Salinas.....\$23,681

Wallstrom Co., Watsonville.....23,686

Fred. Carlsen.....24,492

H. H. Larsen Co., San Francisco 24,653

Wilson & McGranahan, Santa Cruz.....25,714

Harold Geyer, Pacific Grove.....25,956

Murphy, Inc., Carmel.....26,647

The Minton Co., Palo Alto.....26,787

Pederson Co., Watsonville.....26,926

K. McLeod, Salinas.....29,660

Plumbing, Heating and Sheet Metal

Anderson, Dougherty & Harges, Salinas.....\$71,115

Phillips Heating & Plumbing Co., Monterey.....7,124

Schreiber Bros., Oakland.....7,466

B. E. Underwood, Salinas.....7,845

Snook Co., San Francisco.....7,976

Electric Work

Salinas Elec. Co., Salinas.....\$514

Rodeo Elec. Co., Salinas.....664

Chas. Langlais Co., San Francisco 767

McConnell Elec. Works, Monterey \$23

To Ask Bids In About Two Weeks.

SCIENCE BLDG. Cost, \$202,000

SAN JOSE, Santa Clara Co., Cal.

Three-story and basement reinforced

concrete Science Bldg. (tile roof, steam heating system).

Owner—State of California.

Architect—Raiph Wyckoff, Growers' Bank Bldg., San Jose.

Associate Architect, Chas. McKenzie, Twoby Bldg., San Jose.

Heating and Plumbing Contracts

Awarded.

SCHOOL Cost, \$—

REDWOOD CITY, San Mateo Co., Cal.

NE Katherine and Grand Ets.

Mechanical work for two-story concrete school (Spanish type; ten classrooms, club house, auditorium and cafeteria).

Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.

Architect—H. A. Minton, 525 Market St., San Francisco.

Contractor—L. N. Pollard, 55 Brewster St., Redwood City.

Heating—W. P. Hogan, 719 Winslow St., Redwood City.

Plumbing—O'Brien & Barron, 527 Chenery St., San Francisco.

Sub-Bids Wanted.

ADDITION Cont. Price, \$7622

KENTFIELD, Marin Co., Cal. Marin Junior College Campus.

One-story four-classroom addition to Science Building (wooden frame, stucco exterior, tile roof).

Owner—Marin Junior College District, Kentfield.

Architect—A. A. Cantin, 544 Market St., San Francisco.

Contractor—J. S. Hannah, 268 Market St., San Francisco.

Sub-bids are wanted on all portions of the work.

SANTA CRUZ, Santa Cruz Co., Cal.

—L. Merle Briggs, director of physical education at the Santa Cruz High School, is preparing tentative plans to improve the Junior High School grounds in King street for an athletic field. The improvements will involve grading; construction of 220-yd. track with granite dust in place of cinders, a baseball and football field, five basketball and three volleyball courts. Leo Cardwel Co. of Santa Cruz will probably be given the grading contract at a cost of \$250.

Bids Opening Extended From Sept. 28 to Oct. 5, 8 P. M.

ADDITION Cost, \$11,042

ROSEVILLE, Placer Co., Cal.

Two-story brick addition to school.

Owner—Roseville School District.

Architect—Starks & Flanders, Forum Bldg., Sacramento.

Certified check 10%, payable to Warren E. A. secretary of the district, required, with bid. Deposit of \$15, returnable, required for plans, obtainable from the architect. For "prevailing wage scales" to be paid on this project see the official call for bids published in another section of this issue. The new date for bids on this project was set due to changes in the prevailing wage scales specified in the official proposal published in another section of this issue.

Plans Completed.

SCHOOL ADDITION Cost, \$110,000

LOS ANGELES, Cal. No. 111 Juanita Avenue.

Three-story Class A reinforced concrete and brick school addition (48x312 feet).

Owner—Los Angeles City School Dist.

Architect—Sumner P. Hunt, Laughlin Bldg., Los Angeles.

Heating Engineer—Elliott Lee Ellingwood, Washington Bldg., Los Angeles.

Plans Being Figured—Bids Close Oct. 2, 7:30 P. M.

ADDITIONS Cost, \$34,000

DEL MONTE, Monterey Co., Cal.

Additions to Seaside Grammar School (frame construction).

Owner—Del Monte Grammar School District.

Architect—Swartz & Ryland, Spaulding Bldg., Monterey.

Certified check 10% required with bid. Plans obtainable from architects upon deposit of \$25, returnable

Contracts Awarded.

ADDITION Cost, \$—

KENTFIELD, Marin Co., Cal. Marin Junior College Campus.

One-story four-classroom addition to Science Building (wooden frame, stucco exterior, tile roof).

Owner—Marin Junior College District, Kentfield.

Architect—A. A. Cantin, 544 Market St., San Francisco.

Contractor—J. S. Hannah, 268 Market St., San Francisco, at \$7622.

Electric—Superior Electric Co., Phenian Bldg., San Francisco, at \$729.

Heating—Snook Co., 596 Clay St., San Francisco, at \$786.

Following is complete list of bids:

General Work

J. S. Hannah, San Francisco.....\$ 7,622

C. M. Norgrove.....7,750

DeLuca & Son, San Francisco.....7,923

Young & Horstmeier, S. F.....8,697

Jacks & Irvine, S. F.....8,732

Empire Constr. Co., S. F.....8,780

S. F. Constr. Co., S. F.....8,970

Leibert & Trobeck, S. F.....9,384

J. W. Cobby & Son, S. F.....9,495

J. Bitcon.....9,650

Petaluma Constr. Co., Petaluma 10,258

E. Jackson, San Rafael.....10,258

Electric

Superior Elec. Co., S. F.....\$1,924

(ded) \$1,195 omitting electric heat.

Atlas Elec. Co., San Francisco.....\$1,972

(ded) \$106 omitting electric heat.

North Bay Elec. Co.....\$2,050

(ded) \$1084 omitting electric heat.

Steam Heat

Snook Co., San Francisco.....\$786

Knittle Bros., San Francisco.....855

Contract Awarded.

GRADING Cost, \$—

REDWOOD CITY, San Mateo Co., Cal.

Grading Eagle Hill School Site; grading and terracing rear and front of the new school building grounds

Owner—Redwood City School District, C. H. Uhlenberg, clerk.

Architect—A. I. Coffey and M. J. Rist, 1126 Phelan Bldg., San Francisco.

Contractor—H. E. Casey Co., 307 B St., San Mateo.

Following is a complete list of bids:

H. E. Casey Co., San Mateo.....\$3,000

R. L. Oakley, Palo Alto.....4,690

Redwood Material Co., Redwood City.....4,725

A. J. and J. L. Fairbanks, South San Francisco.....4,800

Pacific Const. Co.....5,400

Earl Heple, San Jose.....5,600

Skyline Grading Co.....5,640

Granfield, Farrar & Carlin, S. F. 6,655

Meyer Rosenberg, S. F.....8,389

Plans Being Figured—Bids Close Oct. 6, 7 P. M.

RETAINING WALL Cost, \$15,000

TAFT, Kern Co., Cal.

Reinforced concrete retaining wall.

Owner—Taft Union High School Dist.

Architect—W. H. Weeks, 525 Market St., San Francisco.

Contract Awarded.

SCHOOL Cont. price, \$16,373

LATON, Fresno Co., Cal.

One-story frame and stucco high school unit.

Owner—Laton Joint Union High School District.

Architect—W. D. Coates, Jr., Rowell Bldg., Fresno.

Contractor—Geo. R. Shannon, Fresno.

Plumbing and Heating—Newman and Hudson, Fresno, \$1726.

Contract Awarded.

SCHOOL. Cost, \$—
REDWOOD CITY, San Mateo Co., Cal.
Eagle Hill Section.
One-story reinforced concrete school
(6 classrooms).

Owner—Redwood City School District,
C. H. Uhlenberg, clerk.
Architect—A. I. Coffey and M. J. Rist,
1126 Phelan Bldg., San Francisco.
Contractor—H. H. Larsen Co., 64 So.
Park, San Francisco.

Following is a complete list of bids:
(1) add for additional excavation
(per cubic yard).

(2) deduct for less excavation (per
cubic yard).

(3) add for additional concrete (per
cubic yard).

(4) deduct for less concrete (per
cubic yard).

(5) add for additional reinf. steel
(per cubic yard).

(6) deduct for less reinforcing steel
(per cubic yard).

H. H. Larsen Co., S. F. \$40,653
(1) \$ 1.50
(2) 30
(3) 29.00
(4) 10.00
(5) 110.00
(6) 80.00

R. C. Stickle, South S. F. \$41,638
(1) \$ 2.50
(2) 1.50
(3) 17.00
(4) 15.00
(5) 80.00
(6) 75.00

L. N. Pollard, Redwood City \$42,600
(1) \$ 2.50
(2) 2.25
(3) 10.00
(4) 9.00
(5) 85.00
(6) 80.00

Gus Waller, Redwood City \$42,260
(1) \$ 2.50
(2) 2.25
(3) 10.00
(4) 9.00
(5) 85.00
(6) 80.00

L. F. Bourquin, Redwood City \$47,318
(1) \$ 2.25
(2) 2.25
(3) 7.00
(4) 7.00
(5) 92.00
(6) 92.00

(5849) 1st report June 8; 8th, Aug.
24, 1931. 15

Prospective Bidders.

HEATING SYSTEM. Cost, \$—
MODESTO, Stanislaus Co., Cal. Mo-
desto Junior College.

Steam heating system in agricultural
building, music hall, offices, etc.

Owner—Modesto City School District,
E. D. Abbott, secretary Board of
Education.

Architect—Davis-Pearce Co., Grant &
Weber Sts., Stockton.

Following contractors have secured
plans:

Brandt Bros., 318 E Lafayette St.,
Stockton.

F. R. Hoffman, Modesto.

Miller-Hays Co., Grant and Weber,
Stockton.

J. E. Truesdell, Modesto.

Pacific Heating & Ventilating Co.,
2059 Webster St., Oakland.

J. E. Pettijohn, Delano.

Geo. A. Schuster, 4712 Grove Street,
Oakland.

Prospective Bidders.
ADDITIONS. Cost, \$34,000
DEL MONTE, Monterey Co., Cal.

Additions to Seaside Grammar School
(frame construction).

Owner—Del Monte Grammar School
District.

Architect—Swartz & Ryland, Spazier
Bldg., Monterey.

Following is partial list of contrac-

tors who have secured plans:

M. J. Murphy, Carmel.
C. J. Raymond, Pacific Grove.
Harold Geyer, 380 Hellman Street,
Monterey.

Bids are to be opened Oct. 2, 7:30
P. M.

Prospective Bidders.
IMPROVEMENTS. Cost, \$—
MODESTO, Stanislaus Co., Cal.

Construct boys' shower room as an
addition to gymnasium and plaster
exterior of gymnasium and train-
ing building of the Modesto Junior
College.

Owner—Modesto City School District,
E. D. Abbott, secretary, Board of
Education, Modesto.

Architect—Davis-Pearce Co., Builders'
Bldg., Stockton.

Following contractors have secured
plans:

Carl Nelson, 1421 E Channel Street,
Stockton.

C. Brayton, Escalon.

Cornell Company, Tracy.

L. Uebels, Ripon.

Neil & Wirthner, Turlock.

Miller & Dean, Madera.

M. F. Varozza, Modesto.

Harry Brown, Modesto.

H. Tennyson, 125 Poplar St., Mo-
desto.

E. H. Messamer, Carver Road, Mo-
desto.

Bids are to be opened Oct. 2, 2 P. M.

To Ask Bids In About Two Weeks.
HEATING, ETC. Cost, \$40,000
STOCKTON, San Joaquin Co., Cal.

Interior finish and heating plant for
new building on the Prevocational
School grounds.

Owner—City of Stockton, A. S. Wil-
liams, secretary, Board of Educa-
tion, Lindsay and San Joaquin Sts.
Stockton.

Architect—Losekann & Cloudsley, 309
Exchange Bldg., Stockton.

Previous bid call was cancelled due
to the failure to specify prevailing
wage rates in official proposal.

Date of Opening Bids Postponed.

SCHOOL. Cost, \$7500
FALL RIVER MILLS, Shasta Co., Cal.

One-story frame and stucco school (2
classrooms).

Owner—Fall River Mills Elementary
School District.

Architect—Ralph D. Taylor, Alturas.

Bevel siding exterior finish, wood
frame, wood and plaster interior par-
titions, composition shingle roof, V. G.

Oregon pine and cement floors, hot air
heating system, coal and wood fur-
nace, V. G. Oregon pine interior finish.

Big opening date has been postponed
from Sept. 23 due to the failure to
specify the prevailing wage scale in
the official proposal. New bids will
be asked immediately and will probably
be opened Oct. 10.

Plans Being Figured—Bids Close Oct.
12, 8 P. M.

STEAM HEATING. Cost, \$—
REDWOOD CITY, San Mateo Co., Cal.

Garfield School.

Furnishing and installing steam heat-
ing system in Garfield School.

Owner—Board of Trustees, Redwood
City School District, C. G. Uhlenberg,
clerk.

Architects—A. I. Coffey & M. J. Rist,
1126 Phelan Bldg., San Francisco.

Plans obtainable from architects upon
deposit of \$10, returnable. Cer-
tified check 10% payable to clerk re-
quired with bid.

Sub-Bids Being Taken.

STORE. Cost, \$15,000
OAKLAND, Alameda Co., Cal. Lake
Park and Rand Ave.

One-story brick store (five stores, tar
and gravel roof).

Owner—Withheld.

Architect—Ray Keefer and E. L. Her-
berger, 770 Westley Ave., Oakland

Contractor—Irwin Remmers, 745 Wadia
Vista Ave., Oakland.

Completing Plans—Contract Awarded.
STORE. Cost, \$—
OAKLAND, Alameda Co., Cal. Lake-
shore Avenue.

One-story brick store (part tile, tar
and gravel roof).

Owner—Lionel Hoge, 35 Muir St.,
Oakland.

Plans by Ray Keefer and E. L. Her-
berger, 770 Westley Ave., Oakland.

Contractor—C. Dudley DeVelbiss, 369
Pine St., San Francisco.

Contract Re-Awarded.

REMODELING. Cost, \$10,000
SAN RAFAEL, Marin Co., Cal. No.
530 B Street.

One-story hollow tile and stucco top
addition to newspaper building
and remodeling ground floor.

Owner—Harry Lutgens, % The Inde-
pendent, 530 B St., San Rafael.

Architect—N. W. Sexton, deYoung
Bldg., San Francisco.

Contractor—Dominic Ferrero, 31 Belle
Ave., San Anselmo.

Contract Awarded.

STORE. Cost, \$5000
SAN FRANCISCO. N Haight St. W
Ashbury St.

One-story frame and stucco store.

Owner—L. Livingston, Russ Bldg.

Architect—Bertz, Winter & Maury, 210
Post Street.

Contractor—Young & Horstmeier, 461
Market Street.

To Ask Bids Within One Week.

MARKET & RESIDENCE COST, \$7000
SAN JOSE, Santa Clara Co., Cal.

Auzerais St. near Bird Ave.

Two-story frame and stucco market
and residence, 15 room residence;

terra cotta tile roof, etc.

Owner—Rocca Albanese (Sodality Mar-
ket), 402 Bird Ave., San Jose.

Architect—W. E. Higgins, Realty
Bldg., San Jose.

September 23, 1931

To Take Sub-Bids In One Week.

STORE. Cost, \$—
OAKLAND, Alameda Co., Cal. Lake-
shore Avenue.

One-story brick store (part tile, tar
and gravel roof).

Owner—Lionel Hoge, 35 Muir Street,
Oakland.

Plans by Ray Keefer and E. L. Her-
berger, 770 Westley Ave., Oakland.

Contractor—C. Dudley DeVelbiss, 369
Pine St., San Francisco.

Sub-Contracts Awarded.

REMODELING. Cost, \$10,000
SAN RAFAEL, Marin Co., Cal. No.
530 B Street.

One-story hollow tile and stucco tap
addition to newspaper building
and remodeling ground floor.

Owner—Harry Lutgens, % The Inde-
pendent, 530 B St., San Rafael.

Architect—N. W. Sexton, deYoung
Bldg., San Francisco.

Contractor—Dominic Ferrero, 31 Belle
Ave., San Anselmo.

Plastering—Charles A. Weber, 201
Shaver St., San Rafael.

Roofing—Marin Roofing Co., Lakespur
Steel Sash—Detroit Steel Products Co.

Hunter-Dulin Bldg., S. F.

Lumber and Mill Work—Henry Hess
Co., 229 3rd St., San Rafael.

Miscellaneous Iron Duffy Bros., 910
Third St., San Rafael.

Hollow Tile—George W. Jackson, San
Anselmo.

Electric—Hess Electric Co., 832 4th
St., San Rafael.

BANKS, STORES & OFFICES

Concrete—Gus Adams, San Anselmo.
Dumb Water—Wiles Co., San Francisco.

Bids are being taken on sheet metal, plumbing, ornamental tile, electric fixtures and hardware.

Construction Postponed Temporarily.
STORE Cost, \$12,000
VALLLEJO, Solano Co., Cal. Sonoma St., near Georgia St.

One-story brick, terra cotta and cement store with steel columns and beams (five stores); tar and gravel and part hand-made tile roof.

Owner—F. D. Jones, Vallejo.
Architect—F. H. Slocombe, 3330 Harrison St., Berkeley.

Additional Sub-Contracts Awarded.
OFFICES Cost, \$25,000
SAN FRANCISCO, N McAllister W Polk St. (60x120-ft.)

Six-story and basement class A reinforced concrete offices (terra cotta and granite facing; steam heating system, etc.)

Owner—Perry F. Burke, % Wm. Magee, 69 Sutter Street.

Architect—Bliss & Fairweather, Balboa Building.

Contractor—Barrett & Hilp, 918 Harrison Street.

Engineer—T. Ronneberg, Crocker Building.

Plumbing, Heating and Electric Work—Frank Kilm, 456 Ellis St.

Window Frames—Pacific Manufacturing Co., Monadnock Bldg.
Other awards previously reported.

Sub-Contracts Awarded.
ALTERATIONS Cost, \$15,000
SAN FRANCISCO, SW Sutter and Stockton Streets.

Alterations to five-story class C steel frame, brick and terra cotta office building (wood floors).

Owner—Walter P. Johnson, City Hall.
Plans by Fred Whitton.

Construction Mgr.—Fred Whitton, 369 Pine Street.

Elevators—Spencer Elevator Co., 166 Seventh St.

Sprinkler System—Globe Automatic Sprinkler Co., 440 Howard St.

Plastering—James F. Smith, 271 Minna Street.

Mill Work—Pacific Mfg. Co., Monadnock Bldg.

Painting—J. A. Mohr, 433 11th St.

Steel Partitions—Albatross Steel Furniture Co., 39 Natoma St.

Plans Being Figured.
ALTERATIONS Cost, \$10,000
SAN JOSE, Santa Clara Co., Cal. San Fernando Ave.

Alterations and additions to two-story store and loft building.

Owner—Hale Brothers.
Architect—Binder & Curtis, 35 W San Carlos St., San Jose.

Lessee—Public Food Stores.
Plans Being Prepared.

MARKET Cost, \$—
WATSONVILLE, Santa Cruz Co., Cal. E Lake Avenue.

One and one-half-story reinforced concrete market (tile floors; 55x140-ft.)

Owner—W. H. Weeks and A. P. Beck, 525 Market St., San Francisco.

Architect—W. H. Weeks, 525 Market St., San Francisco.

Lessee—City Properties, Inc., 1736 Franklin St., Oakland.

Bids will be taken in two weeks on a general contract with separate bids for refrigeration plant, equipment, display cases and fixtures.

Plans Being Completed.
REMODEL MARKET Cost, \$25,000
OAKLAND, Alameda Co., Cal. Grand and Webster Sts.

Remodel and renovate reinforced concrete market (12 departments).

Owner—Grand-Webster Bldg. Corp.
Architect—W. H. Weeks, 525 Market St., San Francisco.

Lessee—City Properties, Inc., 1736 Franklin St., Oakland.

Bids will be taken in ten days.

Contract Awarded.
STORE Cost, \$6500
SAN FRANCISCO, West Portal Ave. One-story frame and stucco store building.

Owner—Martin Stelling and J. Gould, 155 Montgomery St., San Francisco

Architect—Bertz, Winter & Maury, 210 Post St., San Francisco.

Contractor—V. Filippis, 269 24th St., San Francisco.

To Ask Bids Within A Few Days.
STORE Cost, \$65,000
SAN MATEO, San Mateo Co., Calif. Second Ave. and Main St.

1½-story reinforced concrete store; (terra cotta exterior, composition roofing; 8 stores and mezzanines).

Owner—Merkel Bros., 201 B St., San Mateo.

Architect—Edwards & Schary, 550 Montgomery St., San Francisco.

Bids will be taken from a selected list of contractors only.

Plans Being Figured.
MARKET & RESIDENCE Cost, \$7000
SAN JOSE, Santa Clara Co., Calif. Auzerale St. near Bird Ave.

Two-story frame and stucco market and residence (5 room residence; terra cotta tile roof, etc.)

Owner—Rocca Albanese (Sodality Market), 402 Bird Ave., San Jose.

Architect—W. E. Higgins, Realty Bldg., San Jose.

Sub-Bids Being Taken.
STORE Cost, \$5000
SAN FRANCISCO, N Haight St. W Ashbury Street.

One-story frame and stucco store.

Owner—L. Livingston, Russ Bldg.

Architect—Bertz, Winter & Maury, 210 Post Street.

Contractor—Young & Horstmeier, 61 Market Street.

WHARVES AND DOCKS

BIDS WANTED
LOS ANGELES, Cal.—Until 10 A. M., September 30, bids will be received at the Los Angeles Harbor Department at Room 112, City Hall, Los Angeles, for the construction of timber wharf at Berths 145-146, Los Angeles Harbor; specification No. 873. The wharf will be approximately 1292 feet long with a variable width of from 33 to 70 feet.

The piling will be driven and the lumber furnished by the city. Bidding data may be had upon application to the harbor engineer, Branch City Hall, San Pedro. Certified check or bond for 10 per cent required. Burt Edwards, general manager.

SACRAMENTO, Cal.—City Manager Charles Dean has secured an emergency appropriation of \$2,000 to finance repairs to the city wharf adjoining the California Transportation dock in Front St. Portions of the foundations will be replaced by 44 wooden piles.

Bids Wanted—To Be Opened October 15, 2 P. M.
ROLLING DOORS Cost, \$—
SAN FRANCISCO, Extension to Pier 35, Foot of First Street.

Twelve steel rolling doors.

Owner—State of California (Harbor Board).

Engineer—Frank White, Ferry Bldg., San Francisco.

Bids Wanted—To Be Opened October 1, 2 P. M.
SHED Cost, \$150,000
SAN FRANCISCO, Pier 23, Foot of Greenwich Street.

Steel frame shed (110x830 ft.) precast concrete wall slabs, redwood roof sheeting covered with asphalt and gravel.

Owner—State of California (Harbor Commission).

Engineer—Frank White, Ferry Bldg., San Francisco.

SANTA CRUZ, Santa Cruz Co., Cal.—City Commissioner Alvin Weymouth has recommended to the city council replacement of 111 piles at the Municipal Wharf. The council will provide funds for this work. Roy Fowler, city engineer.

Additional Sub-Contracts Awarded.
BULKHEAD BLDG. Cost, \$31,230
SAN FRANCISCO, Head of Pier 39.

Steel frame, stucco front bulkhead building (tar and gravel roof).

Owner—State of California (Harbor Commission).

Engineer—Frank G. White, Chief Engineer, Ferry Bldg.

Contractor—William Spivock, Hobart Bldg., San Francisco.

Plumbing—Frank Davison, 65 Chesley St., San Francisco.

Piling—Healy Tibbitts Constr. Co., 64 Pine St., San Francisco.

Roofing—Alta Roofing Co., 976 Indiana St., San Francisco.

Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Sts., S. F.

As previously reported, structural steel awarded to Judson-Pacific Co., 609 Mission St.; wheel guards to Enterprize Foundry Co., 2902 19th St.; miscellaneous iron to Sims & Gray, 550 Bryant St.; glass to W. P. Fuller & Co., 301 Mission St.

MISCELLANEOUS CONSTRUCTION

Contract Awarded.
OBSERVATION TOWER Cost, —
GRAND CANYON, Arizona.

Six-story steel and concrete observation tower with rock veneer exterior.

Owner—Santa Fe R. R. Co., 114 Sansome St., San Francisco.

Architect—Eng. Dept. of Owner.

Contractor—S. C. Hichborn, Delta Bldg., Los Angeles.

BELMONT, San Mateo Co., Calif.—Directors of the Belmont Greyhound Breeders Association, recently authorized to construct a dog racing track by a special election vote of 184 in favor and 112 against, are preparing to start construction of the track and structures at once. It is estimated that \$100,000 will be expended in the improvement of the grounds, erection of kennels and flood lighting system for night features.

SAN JOSE, Santa Clara Co., Cal.—M. H. Antonacci, city planning engineer, is completing plans for the new West Side park and rose garden at Dana and Naglee Sts. The site comprises 11 acres and will be improved with five tennis courts, a wading pool and miscellaneous recreational facilities for children.

RIPON, Stanislaus Co., Cal.—Ripon Cubs Baseball Team has leased a 4-acre site in Fourth Street between Walnut and Locust Sts., and will improve the site for baseball, basketball, soccer and other sports. An 8-foot fence enclosing a 250 by 250 ft. area which can be extended to 320 ft. is contemplated in addition to the installation of flood lighting for night baseball.

(Continued on page 24)

Engineering News Section

BRIDGES

SAN FRANCISCO—Until October 7, 2 P. M., bids will be received by the State Department of Public Works, C. H. Purcell, chief engineer, 500 Sansome St., San Francisco, for the performance of all necessary work and furnishing materials and equipment for investigating sites for the San Francisco Bay Bridge consisting of diamond drill and jet borings, driving casings and test piles and loading piles with test loads. Based on the engineer's estimate the project will involve:

- (1) 1,550 lin. ft. diamond drilling through bedrock;
- (2) 5,000 lin. ft. jet drilling from mean high water to bedrock;
- (3) 3,300 lin. ft. dry sample holes through 8-inch casing (casing to be furnished by the State);
- (4) 1 9-pile cluster, loading platform and loading material;
- (5) 1, 42-in. diameter steel cylinder and one timber pile driven inside cylinder and loaded;
- (6) 2, timber piles driven to thirty-ton bearing capacity and loaded;
- (7) 2, timber piles 110 ft. long, driven and loaded.

Plans may be obtained from the office of the State Highway Engineer, Public Works Bldg., Sacramento, and may be seen at the office of the Chief Engineer, 500 Sansome St., San Francisco; the District Engineer Office of State Division of Highways at Los Angeles and the offices of the Associated General Contractors, San Francisco.

A representative of the chief engineer will be available to accompany prospective bidders for an inspection of the work. Contractors are urged to investigate the location, character and quantity of work to be done with representative. It is requested that arrangements for joint field inspection be made as far in advance as possible.

MODESTO, Stanislaus Co., Cal.—Bids will be asked at once by the county supervisors for the construction of a retaining wall on a bridge over Hood Creek on Milton Road. Estimated cost, \$4,000. George Macomber, county surveyor.

MODESTO, Stanislaus Co., Cal.—Bids will be asked at once by the county supervisors for the construction of a concrete bridge over the main South San Joaquin Irrigation District canal on Victory Rd., Oakdale section, between Stanislaus and San Joaquin counties. George Macomber county surveyor, Stanislaus County. Estimated cost, \$4,000. The structure will be financed jointly by Stanislaus and San Joaquin Counties.

QUINCY, Plumas Co., Calif.—Until October 5, 10 A. M., bids will be received by William F. Werner, county clerk, for the construction of the Grays Flat Bridge. Plans obtainable from county surveyor. Certified check 10% required with bid.

SAN RAFAEL, Marin Co., Calif.—Until Sept. 29, 11 A. M., bids will be received by Rob E. Graham, county clerk, for the construction of a reinforced concrete bridge at Avery Ave.,

Homestead, Road District No. 3, involving:

- (1) 104 cu. yds. class A cem. conc. in place;
- (2) 7800 lbs. reinf. steel in place;
- (3) 60 lin. ft. 30-in. corr. metal pipe;
- (4) 890 cu. yds. embankment.

County will furnish corrugated metal pipe.

Plans obtainable from Rodney J. Messner, county surveyor. Prevailing wage scale for the project follows: Common labor, \$4; skilled labor, \$5; carpenter, \$3; truck driver, \$5; power shovel or crane operator, \$10; teamster, \$5; tractor driver, \$5; concrete mixer operator (small) \$5; any classification omitted herein, not less than \$4. Overtime, one and one-half (1½) times the above rates. Sundays and holidays, double the above rates.

LAKEPORT, Lake Co., Cal.—C. E. Beach, Lakeport, at \$1,229 awarded contract by county supervisors to construct concrete abutments for the new concrete and steel bridge over Clover Creek at Upper Lake. Complete list of bids follows:

C. E. Beach	\$1,229
F. R. Phillips	1,579
A. O. Lightford	1,588
Petaluma Const. Co.	2,555

SAN FRANCISCO—F. C. Amoroso & Sons, Wallace and Keith Streets, at \$72,937 awarded contract by the Board of Public Works to construct the Lincoln Way Viaduct in connection with the Sunset Boulevard project. Complete list of unit and total bids received on this project published in issue of September 17.

EUREKA, Humboldt Co., Cal.—Until September 30, 10 A. M., bids will be received by Fred M. Kay, county clerk, for repairing Mad River Slough Bridge in Road District No. 5. Plans obtainable from Frank Kelly, County Surveyor. Cash or certified check 5%. Per diem wage scale follows: Common laborers, \$4; concrete workers, \$5; skilled laborers, \$5.50; tractor drivers, \$5; blacksmiths, \$7; foremen, \$7; driver crew, \$4.80; carpenters, \$8 and truck drivers, \$5. All overtime to be paid for at the rate of 1½ times the above rates, and for work on Sundays and holidays double the above rates.

PLACER COUNTY, Cal.—State Highway Commission on Sept. 10, accepted as completed, the bridge over Auburn Ravine on the Victory Highway. Peter F. Bender, North Sacramento, general contractor. The contractor price was \$11,400.

MODESTO, Stanislaus Co., Cal.—County Surveyor George Macomber has been authorized by the county supervisors to expend \$2,000 in repairing the Nine-Mile Bridge over the Tuolumne river, southwest of Modesto. Retaining walls around supports of the bridge will be constructed.

UKIAH, Mendocino Co., Cal.—Until October 1, 10:30 A. M., bids will be received by H. M. Burke, county clerk, for the construction of a bridge across James Creek, Third Supervisorial District, involving:

- (1) One 72 ft. A Truss Span, in place, as shown on plans and specifications on file.
- (2) Two abutments and cribs in

place, as shown on said plans and specifications on file; 28,000 ft. B. M. in a 72 ft. A Truss; floor joists dense select, balance select structural; 56,000 ft. B. M. in two abutment cribs, including wings and ties, select structural; iron rods as shown on plans and specifications, with turned buckles; castings, iron plates, iron washers and bolts as shown on plans; 12 in. spikes for nailing floor; one inch iron dowels as shown on plans.

Certified check 10% required with bids. Per diem wage scale follows: common laborer, \$2.50; bridge foreman, \$5; tractor driver, \$3.50; truck driver, \$3.50; head carpenter, \$6; other carpenters, \$4.

SAN BERNARDINO, Cal.—Plans for a new viaduct over the Santa Fe yards in San Bernardino will be drawn by Engineers M. C. Blanchard, chief engineer for the Santa Fe, and C. H. Hones, of the state bridge department at Sacramento, following their appointment at a conference in San Bernardino, which was attended by representatives of the city, state, county and Santa Fe and Pacific Electric railroads. The engineers are expected to complete the work within a month when their findings will be referred to W. H. Gorman, state railroad commission engineer. Tentative plans and cost figures will be presented at another meeting.

MODESTO, Stanislaus Co., Calif.—Stanislaus County Supervisors will make formal application to the U. S. War Department to renew a permit to build a fixed-type bridge across the San Joaquin river near Patterson. The permit originally granted by the War Department for a permanent type structure will expire shortly and to keep the project alive another permit must be sought. The application for the renewal will set forth that the supervisors, because of present economic conditions, felt unable to make an appropriation for the bridge in the 1931-32 budget, but hope to do so as soon as conditions improve. George Macomber is county surveyor.

MERCED, Merced Co., Calif.—Until October 5, 11 A. M., bids will be received by P. J. Thornton, county clerk, for the construction of bridges as follows:

Bridge No. 232—In Road District No. 3.—Pile timber bridge over Bear Creek on British Colony Road near ¼ Cor. of Sec. 28, Twp. 7 S., R. 13 E.

Bridge No. 233—In Road District No. 2.—Pile timber bridge over Mariposa Creek on Mitchell and Fresno Road near center of Sec. 17, Twp. 8 S., R. 16 E.

Bridge No. 234—In Road District No. 3.—Pile timber bridge over East Side Canal on British Colony Extension Road near center of Sec. 19, Twp. 7 S., R. 11 E.

Bridge No. 235—In Road District No. 2.—Concrete abutment on bridge over Mariposa Creek on Le Grange and Geneva Road in N. E. ¼ of Sec. 8, Twp. 8 S., R. 16 E.

Bridge No. 236—In Road District No. 1.—Timber bridge over Dry Creek on Lower La Grange Road on line bet. Secs. 29 and 30, Twp. 4 S., R. 14 E.

Bridge No. 237—In Road District No. 5.—Pile timber bridge over Canal on road on south line of Sec. 35, Twp. 10

S. R. 12 E.

Bridge No. 238—In Road District No. 5.—Pile timber bridge over Paso Slough on road on east line of Sec. 35, Twp. 10 S., R. 12 E.

Bridge No. 239—In Road District No. 5.—Pile timber bridge over canal on road on east line of Sec. 1, Twp. 11 S., R. 12 E.

Bridge No. 240—In Road District No. 5.—Pile timber bridge over canal on Golden State Ave. in town of Dos Palos.

Plans obtainable from W. E. Bedesen, county surveyor, Shaffer Building, Merced, upon deposit of \$10 returnable. Per diem wage scale for the project follows: Carpenters, \$5; carpenters' apprentices, \$4.50 and up; cement finishers, \$3.35; laborers (building and common), \$4; painters, \$3; pile driver operator, \$8. Double time shall be paid for work on Sundays and holidays. One and one-half time shall be paid for overtime.

STOCKTON, San Joaquin Co., Cal.—John Hachman, P. O. Box 206, Stockton, at \$1,160 awarded contract by the county supervisors to construct bridge on Prather Road, involving:

- (1) 43.6 cu. yds. concrete;
- (2) 11,235 bd. ft. Douglas fir timber;
- (3) 110 ft. wire fabric.

Complete list of bids follows:

John Hachman	\$1,160
A. E. Fitzsimmons	1,185
Alfred Love	1,313
L. U. Ubels	1,365
Carl Nelson	1,406
Nelson Brothers	1,469
J. E. Toothaker	1,476
Edw. R. Jamison	1,550

SANTA ROSA, Sonoma Co., Calif.—Whited and Whited, 916 Wright St., at \$971.86 awarded contract by county supervisors to construct a 6-ft. by 9-ft. reinforced concrete box culvert under Chapman Lane in the Second Supervisorial District, involving:

- (1) 52 cu. yds. class A concrete;
- (2) 4,718 lbs. reinforcing steel;
- (3) 62 cu. yds. structure excavation.

Complete list of bids follows:

(A) Whited & Whited	\$971.86
(B) Albert Helwig, Sebastopol 1023.12	
(C) Louis Lambretti, Mill Valley	1030.72
(D) Petaluma Const. Co., Petaluma	1104.71
(E) Frank Bryant, S. F.	1144.72

Unit bids follow:

(1)	(2)	(3)
(A)	\$14.50	\$0.04
(B)	14.95	.04
(C)	15.00	.04
(D)	15.85	.045
(E)	16.00	.04

EL CERRITO, Contra Costa Co., Cal.—City Engineer H. D. Chapman is preparing estimates for the construction of a culvert over Cerrito Creek on Carmel Ave. Cost to be shared by El Cerrito and Albany.

DREDGING, HARBOR WORKS & EXCAVATIONS

MERIDIAN, Sutter Co., Cal.—Until October 6, 3 P. M., bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, under Circular Proposal No. 32-77, Specifications No. 3533, for repair of Tisdale Weir, construction of conc. pile bents for bridge thereon, cobblestone revetment of the approach slope and talus of the weir at Tisdale By-Pass, nine miles south of Meridian. Bid bond of 10% required.

SAN FRANCISCO.—Dutton Dredging Co., Mills Bldg., at \$3,542 awarded contract by Board of Public Works for levee repairs at San Francisco (Mills Field) Municipal Airport. Unit bids published in issue of Sept. 17.

VENTURA, Ventura Co., Cal.—Until Oct. 20, 10 A. M., bids will be received by L. E. Hollowell, county clerk, for excavation and lining with concrete storm water ditch, grading and installing corr. iron pipe in Foot-hill Road, involving:

- (1) 1,000 cu. yds. excavation and embankment;
- (2) 108 cu. yds. A struc. concrete;
- (3) 4,400 lbs. reinf. steel;
- (4) 1,260 ft. B. M. lumber;
- (5) 136 ft. 36-in. metal pipe (install).

Bids are subject on a lump sum basis. Certified check or bond for 10% required with bid. Plans obtainable from Chas. W. Pettit, county surveyor.

MARYSVILLE, Yuba Co., Cal.—Until September 28, 3 P. M., under Circular Proposal No. 23-83, Specifications No. 3758, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to place five retards along the banks of the Yuba River, between Rucke Bend and a point near the Dantoni Orchard, about 1 mile above the town of Marysville.

OAKLAND, Cal.—American Dredging Co., foot of 11th Ave., Oakland, at (\$0.3795 cubic yard), \$3,415.50 awarded contract by City Port Commission for clamshell dredging along the key wall near the Market Street Pier, involving 9,000 cu. yds. Pacific Coast Dredging Co. only other bidder at (\$0.385 cu. yd.) \$3,465.

LONG BEACH, Calif.—Bids will be asked shortly by city council for excavation in connection with six steel tanks to be erected on Alamitos Hill for the Municipal Water Department. Project involves 95,000 cu. yds. excavation.

ANTIOCH, Contra Costa Co., Cal.—Until Oct. 9 bids will be received by city council to remove tules from Antioch reservoir, involving removal of 4000 cu. yds. of dirt and construction of levee.

DENVER, Colo.—Haas Doughty Co., Merchants Exchange Bldg., San Francisco, at \$117,551 submitted low bid to the U. S. Bureau of Reclamation for earthwork and structures on the Milner-Gooding Canal between Station 3317 plus 21 and Station 3737 plus 10, and the earthwork enlargement of the North Gooding Canal between Station 27 and Station 257. Bid forwarded to Washington with recommendation for award.

IRRIGATION PROJECTS

LINDEN, San Joaquin Co., Calif.—Election will be held September 28 in the Linden Irrigation District to vote bonds of \$93,000 to finance construction of irrigation works, involving:

- (a) pumping plant;
 - (b) small dams and weirs;
 - (c) small check and spreading dams.
- Fred H. Tibbitts, engineer, Alaska Commercial Bldg., San Francisco. A. L. Cowell is secretary of the Linden Irrigation District.

STREET LIGHTING SYSTEMS

OAKLAND, Cal.—City council will ask bid within fifteen days to install ornamental street lighting system in E 14th Street between 22nd Avenue and High St., involving 136 duplex standards with underground system. Estimated cost, \$46,390. 1911 Act. W. W. Chappell, city clerk. Walter N. Frickstad, city engineer.

PASADENA, Los Angeles Co., Cal.—Until 10 A. M., Sept. 29, bids will be

received by city directors to install lighting system in Colorado St. bet. Broadway and El Molino Ave., about five blocks. The system will involve 60 Union metal double light standards. Harvey W. Hincks, city engineer.

MACHINERY AND EQUIPMENT

PUGET SOUND, Wash.—Dravo Contracting Co., Pittsburgh, Pa., at \$479,000 awarded contract by Bureau of Yards and Docks, Navy Department to furnish and install 250-ton crane at Puget Sound. R. W. Kaltenbach Corp., Bedford, Ohio, at \$55,000 awarded contract for 20-ton crane, and Star Iron and Steel Co., Tacoma, Wash., at \$53,400 for a 10-ton crane.

OAKLAND, Cal.—J. E. French Co., Ltd., 124 Grand Ave., Oakland, at \$159,000 awarded contract by East Bay Municipal Utility District for furnishing a Dodge Bros. truck chassis.

WOODLAND, Yolo Co., Cal.—Until October 5, 7 P. M., bids will be received by J. H. Laugenour, city clerk, to furnish and deliver one 1½-ton truck (chassis and cab). Bidders shall state separate prices for dual rear wheels and for over-load springs. Specifications obtainable from city clerk.

BERKELEY, Alameda Co., Cal.—C. F. Bulotti Machinery Co., 829 Folsom St., San Francisco, at \$2,878 submitted low bid to Board of Education to furnish and deliver

- (1) used engine lathe;
- (2) used shaper;
- (3) total for both.

Complete list of bids follows:

C. F. Bulotti Machinery Co., San Francisco	(1) \$ 952
.....	(2) 1,926
.....	(3) 2,878
Herbert Moore Mach. Co.	(1) \$1,855
.....	(2) 1,615
.....	(2-a) 1,906
.....	(3) 3,470
Horace Stallman, S. F.	(1) \$2,085
.....	(2) 1,976
.....	(2-a) 1,605
.....	(3) 4,061
Flanagan Mach. Co., Oakland ..	(1-a) \$2,134
.....	(1-a) 1,595
Harron, Ricard & McCone Co., San Francisco	(1) \$2,319
.....	(2) 1,679
.....	(3) 4,073

Bids held under advisement.

KINGSBURG, Fresno Co., Cal.—Until October 6, 7:30 P. M., bids will be received by C. R. Magnuson, city clerk, for an automobile suitable for police duty. Cost not to exceed \$750.

FIRE EQUIPMENT

ISLETON, Sacramento Co., Cal.—American La France Co., at \$6190 awarded contract bid by city trustees to furnish and deliver one 500-gallon pumping engine for the fire department.

Fabric Hose Co. awarded contract to furnish a quantity of fire hose and the Certified Laboratory Products Co., San Francisco, the contract to furnish resuscitator at \$456.

FRESNO, Fresno Co., Calif.—Until Oct. 2, 11 A. M., bids will be received by H. S. Foster, city clerk, to furnish one crank case assembly complete for American La France fire engine chassis with two 2½-in. crank case shaft, oil pan and six connecting rods for 2½-in. shafts; to be fitted with engine bearings and connecting rods to be fitted to crank shaft. Certified check 10% payable to city required

with bid. Further information obtainable from city clerk.

RESERVOIRS AND DAMS

GRAND CANYON, Arizona.—Allen Brothers, 1625 S. Alameda St., Los Angeles, awarded contract to construct pipe line and reservoir at Grand Canyon, Ariz., for the Santa Fe Railway. The contract includes furnishing and installing approximately 12,000 ft. of 6-in. steel and cast iron pipe from the rim of the canyon to Indian Gardens Springs, and the construction of a 70,000-gallon concrete reservoir and foundations for two pumps.

SAN JOSE, Santa Clara Co., Cal.—City Engineer Wm. Popp announces that foundation exploration work at the new Alum Rock Dam site on Cherry Flat, 3½ miles up the canyon from Alum Rock Park, are nearing completion and with the approval of plans by State Engineer Edward Hyatt, bids for construction will be asked. Will be earth fill type with concrete core. Concrete core of dam will vary in thickness from five to ten feet. The city council has \$60,000 available for construction.

RONALD, Wash.—Lahar Construction Co., Boonesville, Mo., at \$198,902 submitted low bid to U. S. Reclamation Service to clear the 2665-acre reservoir site along the Cle Elum dam. Geo. Nelson Co., Seattle, next low at \$204,000. C. R. Myers, Portland, Ore., third low at \$207,799.

PITTSBURGH, Contra Costa Co., Cal.—City Engineer Lee O'Hara is making surveys in connection with increasing the capacity of the municipal water storage reservoir. Details will be published shortly.

SEWERS AND SEWAGE DISPOSAL PLANTS

BOULDER CITY, Nevada.—As previously reported, bids will be received October 5, 10 A. M., by U. S. Bureau of Reclamation, Las Vegas, Nev., to construct sewage disposal plant involving:

- (1) 1000 cu. yds. excav., common;
- (2) 450 cu. yds. excav., solid rock;
- (3) 150 cu. yds. backfill;
- (4) construction of sewage disposal plant complete.

Specifications available from U. S. Bureau of Reclamation at Las Vegas.

HOLLISTER, San Benito Co., Cal.—Until Oct. 6, 7 P. M., (extended from Sept. 28) bids will be received by Howard O'Brien, city clerk, for approximately 4000 ft. of 16-in. concrete storm sewer out the San Juan Road to the San Benito River. Per diem wage scale follows: Foreman, \$5; cement pipe layers, \$5; grading operators, \$5; trenching machine operators, \$5; cement mixer operators, \$5; brick masons, \$5; timekeepers, \$4; common laborers, \$4; others not listed, \$4.

Legal holidays at above rates. Plans obtainable from A. M. McCray, city surveyor, or from clerk. Certified check 10% required with bid.

ISLETON, Sacramento Co., Calif.—Holdener Const. Co., 2608 R St., Sacramento, at \$3420 awarded contract by city trustees to construct main line sewer extensions. Complete list of total bids received published in issue of Sept. 14.

CAPITOLA, Santa Cruz Co., Cal.—Steps are being taken by the Chamber of Commerce for the formation of a sanitary district. It is proposed to vote bonds to finance construction of a sewage outfall system to replace that now in use and which has proven

inadequate. Harlan P. Kessler is chairman of the organization committee assisted by Frank Blake, Edward Huber and Harry Hooper.

GLENDALE, Los Angeles Co., Cal.—R. A. Wattson, 1205 N. McCadden Place, Los Angeles, at \$19,670 awarded contract by city council to construct sewers in Bohlig St., etc., under 1911 Act, involving in the main 3201 ft. 8-in. vit. sewer; 1377 ft. 6-in. vit. house connections; 54 manholes; storm drain, etc.

SEATTLE, Wash.—Bids will be asked shortly by city council to construct fourth unit of the city's Lake Washington Intercepting Sewer; estimated cost \$100,000. This unit will be known as the 43rd Ave. North unit and will extend from Denny Blaine Place on the Lake Washington Blvd. north along the lake shore to 43rd Ave. and E. Lynn St., a distance of 7800 ft. Two pumping plants are included. Triple-strength vitrified clay pipe with slip-seal joint, 15 and 18-in. in dia. will be used.

LAGUNA BEACH, Orange Co., Cal.—City council will call election shortly to vote bonds of \$150,000 to finance construction of a main line sewage disposal system and treatment plant at Arch Beach. The laterals will probably be laid by assessment districts formed under the 1911 act. Geo. W. Prior, city clerk.

WATER WORKS

BOULDER CITY, Nevada.—As previously reported, bids will be received October 5, 10 A. M., by U. S. Bureau of Reclamation, Las Vegas, Nev., to construct water purification plant. Project involves:

- (1) 1800 cu. yds. excav., common;
- (2) 1400 cu. yds. excav., solid rock;
- (3) 250 cu. yds. backfill;
- (4) construction of water purification plant complete.

Specifications available from U. S. Bureau of Reclamation at Las Vegas.

LONG BEACH, Los Angeles Co., Cal.—City council will ask bids shortly for water line in Spring St., involving:

- (1) 6705 ft. 24-in. centrifugally cast reinforced concrete pipe 2½-in. wall thickness.
- (2) 7830 ft. 30-in. centrifugally cast reinforced concrete pipe, 2½-in. wall thickness.
- (3) 2680 ft. 42-in. centrifugally cast reinforced concrete pipe, 3¼-in. wall thickness.

MILL VALLEY, Marin Co., Calif.—City trustees abandon proposal of Marin Municipal Water District to construct water main extensions in the Mill Valley section at a cost of \$65,526. The proposal of the district was that the city finance construction and upon completion turn the improvements over to the district.

GILROY, Santa Clara Co., Cal.—City council has ordered replacement of 1,040 ft. of 4-in. mains with 6-in. pipe along Monterey St. between First St. and Hot Springs Road. Estimated cost \$1100. Raymond Fisher, city engineer.

ISLETON, Sacramento Co., Calif.—Henry Balsmeier, Sleton, at \$3,894 awarded contract by city trustees to construct water main extensions including the installation of additional fire hydrants. Complete list of total bids received on this project published in issue of Sept. 14.

BEVERLY HILLS, Los Angeles Co., Cal.—Ocean Shore Iron Works, 550 8th St., San Francisco, at 3,750 submitted

low bid to city council to furnish carbonizing equipment for municipal water plant. International Filter Co., at \$3,875 only other bidder with bids of \$3,625 on Alt. 1; \$2,554 on Alt. 2 and \$2,700 on Alt. 3. Taken under advisement.

SAN FRANCISCO—Bids will be asked in one week by Constructing Quartermaster, Fort Mason, to construct a 1000 barrel steel oil tank with an all steel roof at Fort McJannet. Plans prepared by Constructing Quartermaster, Fort Mason.

LOS ANGELES, Cal.—City Harbor Commission will ask bids shortly to install elevated sprinkler tank for the new West Basin Terminal facilities at Berths 145-146.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—County supervisors will hold a hearing October 5, 3 P. M., to consider a petition seeking the formation of San Luis Obispo County Water Works District No. 3 which proposes to finance construction of a water distributing system at a cost of \$18,000. Construction will involve drilling wells, constructing pumping plant, reservoir and tanks and distributing system. J. G. Driscoll, county clerk.

LOS ANGELES, Cal.—Consolidated Steel Corp., 1200 N. Main St., awarded contract by City Purchasing Agent to furnish five 8x12 filter tanks under Spec. 2585 for the Olympic swimming pool under construction in Exposition Park.

BEVERLY HILLS, Los Angeles Co., Cal.—Percy Keatinge at \$880 with alternate bid of \$580 submitted low bid to city council to furnish and install one rate of flow and influent recording meter in connection with the municipal water system. Other bids, all taken under advisement, are: Commercial Iron Works, \$918; Guy L. Warden, \$995, alt. \$630; Water Works Supply Co., \$1,000; International Filter Co., \$1,210. Taken under advisement.

LA FAYETTE, Contra Costa Co., Cal.—Lafayette Water District has voted bonds of \$100,000 to finance construction of a water distributing system to tie-in with the system of the East Bay Municipal Utility District. Directors of the district are George Meredith, M. M. Garrett, L. H. Rodebaugh, Dr. A. R. Powell and J. C. Hill.

ORINDA, Contra Costa Co., Calif.—Steps are being taken to form municipal water district in the Orinda section to vote bonds to finance construction of a water distributing system to connect up with lines of the East Bay Municipal Utility District.

BREA, Orange Co., Cal.—The Brea city council has voted to call a bond election to vote an issue of \$15,000 to provide funds for replacing 4-in. water mains in various sections of the city. Of this amount, \$5000 will be expended for materials, the balance for labor. Fred Boxall, street superintendent.

LOS ANGELES, Calif.—Consolidated Steel Corp., 1200 N. Main St., submitted low bid of \$1.39 per lin. ft. to city purchasing agent, Thomas Oughston, Sept. 18, for furnishing all labor, materials and services of equipment, etc. for cleaning, sand-blasting and dipping 8000 lin. ft. of 30x3/16-in. steel water pipe under Spec. No. 2616 (f.o.b. bidder's yard. Western Pipe & Steel Co. submitted the only other bid at \$1.51 per lin. ft.

SAN DIEGO, Cal.—Until 11 A. M., Oct. 6, bids will be received by the Public Works Officer, 11th Naval Dis-

SAN FRANCISCO.—Until Sept. 30, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public

Works, to improve Elk Street between Howarth and Chenery Sts., involving:

- (1) 36 lin. ft. armored concrete curb;
- (2) 10 lin. ft. 6-in. V. C. P. side sewer;
- (3) 1,344 sq. ft. 6-in. class B concrete pavement.

Certified check 10% payable to the Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Architecture, 3rd floor, City Hall.

RIVERSIDE, Riverside Co., Calif.—County Surveyor A. C. Fulmer making surveys for road leading from Perris-Hemet Highway, 2 miles east of Perris to the Newport Ranch, a distance of 5.75 miles; will be graded and graveled.

TULARE, Tulare Co., Cal.—No bids received Sept. 16 by city council to construct cement concrete gutters in both sides of North J Street between San Joaquin and Bush Sts. Work under 1911 Act. Future action on the improvement has not been determined.

SAN RAFAEL, Marin Co., Cal.—Until September 29, 11 A. M., bids will be received by Rob E. Graham, county clerk, for improving portions of the county highway, 10.7 miles, on the Manzanita-Bolinas Rd. between Tamalpais Valley and Stinson Beach, involving 1,017,000 sq. ft. emulsified asphalt and screenings in place. Specifications available from Rodney J. Messner, county surveyor. Per diem wage scale follows: Common laborers, \$4; skilled laborers, \$5; tractor driver, \$5; truck driver, \$5; roller operator, \$8 tons or less, \$5; grader operator, \$5. Any classification omitted herein, not less than \$4. Overtime, one and one-half (1½) times the above rate. Sundays and holidays, double the above rate.

SAN FRANCISCO.—Fay Improvement Co., Phelan Building, at \$22,424 awarded contract by Board of Public Works to improve Section B, Alemany Boulevard, involving asphalt concrete pavement, etc. Complete list of unit and total bids published in issue of September 17.

YUBA CITY, Yuba Co., Cal.—City council has started proceedings to widen Plumas Street. The State Highway Commission has agreed to bear a portion of the cost.

EL CERRITO, Contra Costa Co., Cal.—City Engineer H. D. Chapman preparing plans to improve Stockton Ave. involving the construction of cement concrete sidewalks.

SAN LEANDRO, Alameda Co., Cal.—Until October 7, 8 P. M., bids will be received by E. F. Hutchings, city clerk, for grading Park St. from the northwesterly line of the city to the northwesterly line of Davis St., to a width of 60 ft. Plans obtainable from city clerk. Bond or certified check for 10% payable to city required with bid.

LINCOLN, Placer Co., Calif.—Until October 6, 7:30 P. M., bids will be received by Violet Tupper, clerk of Lincoln Union Grammar School, for the construction of 1,800 sq. ft. of sidewalk on the western and northern sides of the Lincoln Union Grammar School. Plans obtainable from clerk. Certified check 10% payable to Chairman of Board of Trustees required with bid.

SALINAS, Monterey Co., Cal.—County Supervisors reject bids for grading the Vineyard Canyon Road from the San Luis Obispo County line to 11 miles south. In Supervisor District No. 4 and the work will be done by day labor under the supervision of Howard Cozens, county surveyor.

Jas. L. Conner, P. O. Box 86, Monterey, was low bidder at \$15,665.68. Project involves:

- 35,000 cu. yds. rdwy. excavation;
- 13,000 cu. yds. overhaul;
- 2,800 cu. yds. gravel from Mahoney pit;
- 8,266 cu. yds. gravel from pit at Engineer Station 224.

Complete list of unit and total bids received on this project published in issue of Sept. 16.

SANTA CLARA, Santa Clara Co., Cal.—Union Paving Co., Call Bldg., San Francisco, at \$101,930 awarded the contract by city council for improving portions of San Francisco Rd., Clay St., Grant St. and Lincoln St., involving in the main 9750 cu. yds. cement concrete, 140,000 lbs. reinforcing steel, 2950 lin. ft. 8-in. main sanitary sewer in place, etc. Complete list of unit and total bids published in issue of September 12.

SANTA CLARA, Santa Clara Co., Cal.—Union Paving Co., Call Bldg., San Francisco, at \$23,725 awarded the contract by city council to improve Grant St. and the Alameda involving in the main 900 tons asphalt concrete leveling course in place and 1600 tons asphalt concrete surface in place. Complete list of unit and total bids published in issue of Sept. 11.

SANTA CLARA, Santa Clara Co., Cal.—Union Paving Co., Call Bldg., San Francisco, at \$7110 awarded the contract by the city for resurfacing and laying one foot shoulders on the Homestead Road from University St. to the city limits. Complete list of bids follows:

Union Paving Co. \$7,110
A. J. Raichs, San Jose 9,270
San Jose Paving Co., San Jose 11,250

REDWOOD CITY, San Mateo Co., Cal.—County supervisors return unopened bids received Sept. 21 for grading a portion of the Sneath road, lying within the San Pedro Rancho and the First Road District, involving:

- (1) 5700 cu. yds. clear and grade;
- (2) 8000 sta. yds. overhaul;
- (3) 140 lin. ft. culvert pipe installation;
- (4) 4 reinf. conc. culvert headwalls;
- (5) 16 reinf. conc. survey monuments.

Bids will be re-advertised after the county supervisors determine the rate of wages to be paid on the project. James S. James, county surveyor.

POMONA, Los Angeles Co., Cal.—H. H. Lienau, Anderson Bldg., San Bernardino at \$36,484 awarded contract by city council to improve Fulton Road, involving 8,864 lin. ft. 24-in. cement concrete curb; 189,954 sq. ft. 6-inch concrete (plain) pavement. City will pay \$30,000 in cash.

REDWOOD CITY, San Mateo Co., Cal.—County Surveyor James James is preparing plans to grade and pave with oil macadam one and one-quarter miles of the La Honda grade road for a width of 20 feet. Tentative estimates place the cost at \$2,000 per mile for a 24-ft. grade and 20 ft. pavement and between \$32,000 and \$38,000 per mile for a 30-ft. grade and 24-ft. pavement.

MERCED, Merced Co., Cal.—Property owners will petition city council to open 17th St. by connecting it to the Golden State Highway by two laterals at the north and south ends of Merced. The work will involve an expenditure of \$25,000, the cost to be borne by property owners.

VENTURA, Ventura Co., Cal.—Until Oct. 20, 1 P. M., bids will be received by L. E. Hallowell, county clerk for laying asph. macadam surfacing

2-in. thick, 16-ft. wide, and approximately 6300 lin. ft. in length, involving 100,800 sq. ft. 2-in. surfacing. Cash Contract No. 760. Plans obtainable from Chas. W. Fottit, county surveyor. Certified check 10% required with bid.

REDDING, Shasta Co., Cal.—James R. Carney, Montgomery Creek, at \$9,800 awarded contract by county supervisors to clear right of way on the Shingletown-Viola approach road to Lassen Park. Complete list of bids follows:

J. E. Carney \$9,800
Julian Phillips, Carmel 11,042
W. C. Colley, Berkeley 18,500

SAN JOSE, Santa Clara Co., Cal.—Until Oct. 5, 8 P. M., bids will be received by John J. Lynch, city clerk, (5435) to improve Willow St. between Guadalupe River bridge and west city limits at Bird Ave. and portions of Bird Ave., Warren Ave., Shepherd, Delmas and Spencer Aves., and Prevost St. at Willow St., involving grading; 2-in. asph. concrete surface pavement on 3½-in. asph. conc. base; concrete curbs and gutters. County will pay \$2,500 of the total cost from Special Road Improvement Fund. 1911 Act. Certified check 10% payable to city required with bid. Wm. Popp, city engineer.

EL SEGUNDO, Los Angeles Co., Cal.—Until Sept. 30, 7:15 P. M., bids will be received by city council to improve Imperial Highway (formerly Collingwood St.) between Main St. and Arizona Drive, involving:

- (1) 28,000 cu. yds. grading and shaping
- (2) 342,000 sq. ft. 6-in. Bitumuls full penetration pavement;
- (3) reinforced concrete double box culvert.

1911 Act. Estimated cost, \$87,000. R. T. Hutchins, city engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—Granite Const. Co., Watsonville, at \$7,473.50 submitted the sole bid and awarded contract by county supervisors for improving Section 2 of Carlton Road and Section 2 of Calabasas Road. Unit bid follows:

Carlton Road
(1) 408 cu. yds. Logan Quarry waste, \$3;
(2) 67,973 sq. ft. oil macadam surf., \$0.41.

Calabasas Road
(1) 480 cu. yds. Logan quarry waste, \$3;
(2) 69,816 sq. ft. oil macadam surf., \$0.41.

WASCO, Kern Co., Cal.—Until 8 P. M., Sept. 26, bids will be received by the Wasco Union high school district for resurfacing three tennis courts, approx. 20,000 sq. ft. in area, with emulsified asph. preparation.

SALINAS, Monterey Co., Cal.—A. J. Raichs, Burrell Bldg., San Jose, at \$14,184.25 awarded contract by city council for improving California St. between Gablan and Lake Sts., involving:

- (1) 88,580 sq. ft. grading;
- (2) 66,170 sq. ft. 5-in. hyd. concrete pavement;
- (3) 2,525 lin. ft. curb;
- (4) 9,890 sq. ft. sidewalks.

Complete list of bids follows:
(A) A. J. Raichs, San Jose.
(B) W. A. Dontanville, Salinas.
(C) Granite Const. Co., Watsonville.
(1) (2) (3) (4)
(A) .015 .18 .32 .14
(B) .02 .175 .37 .165
(C) .025 .175 .36 .15

OAKDALE, Stanislaus Co., Cal.—Valley Paving & Construction Co., Bank of America Bldg., Fresno, at \$29,876 submitted low bid to the city council to improve portions of F

street. Complete list of unit and total bids received on this project will be found in a separate tabulation on page five in this issue.

SHASTA COUNTY, Cal.—Until October 3, 10 A. M., bids will be received by H. S. Comly, district engineer, State Highway Commission, Redding, to grade and pave with Portland cement concrete, 0.5 mile at Clear Creek in Shasta County. Wage rates on this projects appear in official proposal. Plans obtainable from engineer.

SAN JOSE, Santa Clara Co., Cal.—Until October 5, 11 A. M., bids will be received by Henry A. Pfister, County Clerk, to improve Congress Springs Road, between Saratoga and the loop at Congress Springs in Supervisor District No. 5. Project involves 96,000 sq. ft. asphaltic concrete pavement. Specifications obtainable from Robt. Chandler, County Surveyor, on payment of \$1.

FAIRFAX, Marin Co., Cal.—Property owners having secured an injunction, bids scheduled for opening Sept. 22 by the city trustees to improve various streets in Improvement District No. 1, including the San Rafael-Olema Road, Bolinas Ave., etc., have been delayed. The bids, as yet unopened, will be considered on Oct. 2. The project involves:

- (1) 2450 cu. yds. excavation;
- (2) 2740 cu. yds. struc. excav.;
- (3) 21 cu. yds. plain conc. (subwall);
- (4) 594 cu. yds. conc. reinf. (storm drain);
- (5) 63,578 lbs. reinforcing steel;
- (6) 22 ft. 12-in. corr. iron pipe;
- (7) 145 ft. 15-in. do;
- (8) 2920 lin. ft. 6x24-in. curb and gutter;
- (9) 650 lin. ft. 6x36-in. do;
- (10) 620 sq. ft. concrete sidewalk;
- (11) 6950 lin. ft. rock sidewalk;
- (12) 45 lin. ft. part circle culvert complete;
- (13) 15 yds. rock fill subgrade;
- (14) 1325 lin. ft. 2x6-in. fir header;
- (15) 150 lin. ft. guard rail;
- (16) 260 tons asphalt concrete;
- (17) 46,780 sq. ft. emulsified asphalt pavement;
- (18) 1 square manhole casting;
- (19) 2 lampholes complete with castings;
- (20) 2 manholes complete with drop inlets;
- (21) 24 lin. ft. 14-inch cast iron pipe leaded;
- (22) 570 lin. ft. 6-in. vit. ironstone pipe
- (23) 2 catchbasins complete;
- (24) 6 catchbasins rebuilt (no castings).

Work under Acq. and Imp. Act of 1925. George W. Manley, engineer.

NEWPORT BEACH, Orange Co., Cal.—Until 7:30 P. M., Oct. 5, bids will be received by city council for improving Seashore Drive and other streets, involving:

- (1) 7833 ft. class B curb;
- (2) 331 ft. class E curb;
- (3) 190,178 sq. ft. 6-in. D. G. with oiled wearing surface;
- (4) 4040 ft. 8-in. C. I. water main;
- (5) 94 ft. 6-in. C. I. water main;
- (6) 3325 lbs. cast iron special fittings;
- (7) 4 8-in. gate valves;
- (8) 9 6-in. gate valves;
- (9) 9 type B fire hydrants.

R. L. Patterson, city engineer.

SALINAS, Monterey Co., Cal.—City council declares intention (98) to improve portions of Maple Street, involving:

- (1) 30,010 sq. ft. grading;
 - (2) 17,850 sq. ft. 5-in. hyd. concrete pavement;
 - (3) 1265 lin. ft. cement conc. curb;
 - (4) 6270 sq. ft. 3½-in. sidewalks.
- Engineer's estimate, \$5,368.60. 1911

Act. Bond Act 1915. Hearing Oct. 5. M. R. Keef, city clerk. Howard Coszens, city engineer.

RIVERSIDE COUNTY, Cal.—State Highway Commission has appropriated \$160,000 to finance construction of 4 miles of highway between city limits of Blythe and the Colorado River Bridge.

SALINAS, Monterey Co., Cal.—A. J. Ralsch, Burrell Bldg., San Jose, at \$5,911.60 awarded contract by city council for improving Nacional St., between Central Ave. and Park St., involving:

- (1) 35,800 sq. ft. grading;
- (2) 27,370 sq. ft. 5-in. hyd. concrete pavement;
- (3) 1,160 lin. ft. curb;
- (4) 4,210 sq. ft. sidewalk.

Complete list of bids follows:

- (A) A. J. Ralsch, San Jose.
- (B) W. A. Dontanville, Salinas.
- (C) Granite Construction Co., Watsonville.

	(1)	(2)	(3)	(4)
(A) .....	.015	.16	.35	.14
(B) .....	.02	.175	.37	.155
(C) .....	.015	.175	.36	.15

LASEEN-MODOC COUNTIES, Cal.—State Highway Commission on Sept. 17 accepted the contract of Hemstreet & Bell, Marysville, (bid \$239,400) for 24.5 miles of bituminous treated crushed gravel or stone surfacing between Hillside and Rush Creek.

BERKELEY, Alameda Co., Cal.—Board of Education rejects bids for grading and paving a portion of the upper playground and grading the sidewalk area along the south side of Hopkins Street at the Garfield School grounds. Ariss-Knapp Co., 961 41st St., Oakland, was low bidder at \$2100.

MARTINEZ, Contra Costa Co., Cal.—As previously reported, County Supervisors reject bids to improve portion of highway between Concord and the top of Willow Pass Road, involving:

- (1) 3.23 mcs grading;
- (2) 12,112 tons macadam material;
- U. B. Lee, 1959 Carpenter St., San Leandro, at \$19,419.60 submitted only bid. Work will be done by county forces under the supervision of R. R. Arnold, county surveyor.

SAN JOSE, Santa Clara Co., Cal.—Until October 5, 11 A. M., bids will be received by Henry A. Pfister, County Clerk, to improve Menker Avenue in Supervisor District No. 4. Project involves: 45,875 sq. ft. asphalt concrete pavement.

Plans obtainable from Robt. Chandler, County Surveyor, on payment of \$1.

MARIPOSA COUNTY, Calif.—Lang Transportation Co., 5501 Santa Fe Avenue, Los Angeles, at \$217,494 submitted low bid to the U. S. Bureau of Public Roads for grading 8.996 miles of the Yosemite National Park Highway. Engineer's estimate, \$284,941. Complete tabulation of unit bids received will be found on page five of this issue.

MISCELLANEOUS

ALAMEDA, Alameda Co., Cal.—City Manager Neil B. Pierson is preparing cost estimates for the construction of a new fence at Lincoln Park.

Contract Awarded.
ALTERATIONS
SALINAS FRANCISCO. S 24th St. 100 W Florida.

Alterations and additions to funeral parlors.
Owner—J. Leary.

Architect—G. A. Berger, 209 Valencia.
Contractor—P. J. Phelan, 446 20th Ave.

Preparing Preliminary Plans.
ADMINISTRATION BLDG. Cost \$—
SAN JOSE, Santa Clara Co., Cal. San Jose Airport.

Construction of administration building installation of electrical border lights.

Owner—San Jose Chamber of Commerce, J. M. Silvey, manager, San Jose.

Architects—Binder and Curtis, 35 W San Carlos St., San Jose.

VALLEJO, Solano Co., Cal.—Sullivan and Sullivan, 3927 39th Ave., Oakland, at \$4161 awarded the low bid to the city council for the construction of a reinforced concrete outlet tower at Lake Madigan, five miles east of Napa, involving:

- 110 yds. reinf. concrete;
- 60 yds. excavation;
- 10 yds. rubble masonry;
- 5 10-inch valves;
- 2 steel ladders;
- Inlet castings for valves.

Complete list of bids follows:

- Sullivan & Sullivan, Oakland \$4161.00
 - C. H. Gildersleeve, Napa, 4205.50
 - C. Dudley DeVellis, Oakland, 4540.50
 - E. D. Boivin, Vallejo, 4897.00
- Bids held under advisement.

Bids Opened.
COMFORT STATION Cost, \$—
FRESNO, Fresno Co., Cal. Roeding Park.

One-story brick comfort station. Owner—City of Fresno, H. S. Foster, City Clerk.

Architect—Not Given.
Low Bidder—W. T. Harris, Fresno, at \$1226.

Only other bids was submitted by E. J. Heffner, Fresno, at \$1298. Bids under advisement.

PETALUMA, Sonoma Co., Cal.—The Elks Hall Association, 140 Kentucky St., Petaluma, are taking bids for razing a two-story frame building and two one-story frame buildings located on Western Ave. and Keller Street. No new construction is contemplated at this time.

VALLEJO, Solano Co., Cal.—Sullivan & Sullivan, 3927 39th St., Oakland, at \$4161 awarded contract by city council to construct reinforced concrete outlet tower at Lake Madigan, five miles east of Napa, involving:

- 110 cu. yds. reinforced concrete;
- 60 cu. yds. excavation;
- 10 yds. rubble masonry;
- 5 10-in. valves;
- 2 steel ladders;
- Inlet castings for valves.

SAN FRANCISCO.—The Universal Const. Co., 313 Grant Ave., San Francisco, desire bids on electric work and for the installation of a Neon sign.

OAKLAND, Cal.—Pacific Coast Engineering Co., foot of 14th Street, Oakland, at \$13,960 awarded contract by City Port Commission to construct and place 70 foot structural steel ladder for port dredge.

FRESNO, Fresno Co., Cal.—City Engineer J. L. Vincenz, has completed plans for the Belmont Ave. Subway; estimated cost, \$210,000. Project involves:

- (1) 22,000 cu. yds. excavation;
- (2) 1970 cu. yds. mass concrete;
- (3) 160 cu. yds. concrete in handrail;
- (4) 891 cu. yds. reinf. concrete;
- (5) 108,000 lbs. reinf. steel;
- (6) 309,500 lbs. struc. steel;
- (7) 4200 sq. ft. waterproofing.

Cost will be borne jointly by city of Fresno and Southern Pacific Railroad. Construction will not be undertaken until 1932.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
1375	Kunde	Michael	2000
1376	Loupe	Malloch	1000
1377	Baird	Gray	9000
1378	Golden Gate	Isaac	3500
1379	Fowler	Schell	2500
1380	Kelley	Hallgren	3500
1381	Eschen	Coburn	1000
1391	Boyle	Rench	3990
1392	Mitchell	Owner	3500
1393	Vermont	Cahill	5500
1394	Janssen	Owner	4000
1395	Hildebrandt	Ruegg	5000
1396	Podesta	Coburn	2000
1397	Fanchon	Royal	1000
1398	Doelger	Owner	4000
1399	O'Neill	McFarland	2000
1400	Isaacson	Owner	3500
1401	Struthers	Owner	3000
1382	Lyons	Owner	1000
1383	National	Barrett	1200
1402	Linn	Linn	1000
1403	Johnson	Owner	7000
1404	Johnson	Owner	10500
1405	Bruno	Grannucci	1500
1406	Young Inv	Owner	9000
1407	May	May	5000
1408	Hardiman	Owner	7000
1409	Moore	Wagner	3000
1410	Janssen	Owner	4000
1411	Janssen	Owner	4000

ALTERATIONS

(1375) 380 BRANNAN ST.; alterations in warehouse.
Owner—M. Kunde, 1313 College Ave., Santa Rosa.
Architect—Not Given.
Contractor—Michael & Bomerer, 762 De Haro. \$2000

PLATE GLASS FRONT

(1376) SW COR. POST and Fillmore Sts.; new plate glass front.
Owner—L. J. Loupe, 425 Bush St.
Architect—Not Given.
Contractor—J. G. Malloch, 666 Mission Street. \$1000

DWELLING

(1377) NE SAN ANDREAS 235 SE San Anselmo; two-story and basement frame dwelling.
Owner—L. G. Baird, 240 Yerba Buena.
Architect—Harold Stoner, Underwood Building.
Contractor—Harold E. Gray, 3150 Baker St. \$9000

DWELLING

(1378) W 24th AVE 50 S Lawton; 1-story and basement frame dwelling.
Owner—Golden Gate Bldg. Co., % 1662 Page Street.
Plans by B. K. Dobkowitz, 425 Montevrey Blvd.
Contractor—H. H. Isaac, 1662 Page St. \$3500

ALTERATIONS

(1379) 2733 BRODERICK ST.; alterations for elevator.
Owner—W. H. Fowler, 2733 Broderick Street.
Architect—Not Given.
Contractor—Samuel Schell, 741 Natoma St. \$2500

DWELLING

(1380) S LAWTON 32½ E 21st Ave.; one-story and basement frame dwelling.
Owner—C. V. Kelley.

Plans by Contractor.

Contractor—Aug. Hallgren, 1594 29th Avenue. \$3500

REPAIRS

(1381) 783 MISSION ST.; repair fire damage to factory.
Owner—S. Eschen, 2048 Market St.
Architect—Not Given.
Contractor—Ira C. Coburn, 2048 Market Street. \$1000

MEZZANINE FLOOR

(1382) 462 BRYANT ST.; put mezzanine floor in warehouse.
Owner—H. J. Lyons, 40 Sansome St.
Architect—Not Given. \$1000

ALTERATIONS

(1383) SW COR. VALLEJO and Battery Sts.; alterations in factory.
Owner—National Biscuit Co., Battery and Broadway.
Architect—Barrett & Hulp, 918 Harrison St. \$1200

DWELLING

(1391) S JUSTIN 100 E Genebrun; 1-story and basement frame dwelling.
Owner—W. Boyle, 464 Brannan St.
Architect—Not Given.
Contractor—M. C. Rench, 38 Lyon St. \$3990

DWELLING

(1392) E BRYANT 110 S 22nd St.; 1-story and basement frame dwelling.
Owner—M. F. Mitchell, 1370 Utah St.
Architect—Not Given. \$3500

FACTORY

(1393) W THIRD ST. 400 N Paul Ave.; one-story class A factory.
Owner—Vermont Marble Co., 244 Brannan Street.
Architect—L. P. Hobart, Crocker Bldg.
Contractor—Cahill Bros., 206 Sansome Street. \$55,000

DWELLING

(1394) N NORTH POINT 130 W Buchanan; one-story and basement frame dwelling.
Owner—E. A. Janssen, 811 Hearst Building.
Plans by Owner. \$4000

DWELLING

(1395) E DIAMOND 100 S Visitation; one-story and basement frame dwelling.
Owner—G. and R. Hildebrandt, 1903 Divisadero St.

Plans by contractor.

Contractor—The Ruegg Co., 369 Pine Street. \$5000

REPAIRS

(1396) 515 BUSH ST.; repair fire damage to hotel and stores.
Owner—A. Podesto and P. Giambruno, 2048 Market St.
Architect—Not Given.
Contractor—I. W. Coburn, 2048 Market Street. \$2000

ALTERATIONS

(1397) 301 GRANT AVE.; alterations to mezzanine floor.
Owner—Fanchon Shops, 928 Market St.
Plans by Contractor.
Contractor—Royal Show Case Co., 770 McAllister St. \$1000

DWELLING

(1398) E 40th AVE 225 S Taraval; 1-story and basement frame dwelling.
Owner—H. Doelger, 300 Judah St.
Plans by B. K. Dobkowitz, 425 Montevrey Blvd. \$4000

SERVICE STATION

(1399) NE 34th AVE. and Geary St.; one-story class C service station.
Owner—E. J. O'Neill, 2940 Lyon St.
Architect—Not Given.
Contractor—J. McFarland, 291 27th Avenue. \$2000

DWELLING

(1400) W 24th AVE. 250 N Santiago; one-story and basement frame dwelling.
Owner—F. Isaacson, 643 Joost Ave.
Plans by Owner. \$3500

DWELLING

(1401) W CASTRO 50 S 26th Ave.; 1-story and basement frame dwelling.
Owner—M. Struthers, 1887 San Jose Avenue.
Architect—Not Given. \$3000

EXCAVATION, ETC.

(1402) 4324-25 18th ST.; excavate for garage and construct new steps.
Owner—Pearl Linn, 54 Stanton.
Architect—Not Given.
Contractor—R. Linn, 54 Stanton. \$1000

DWELLINGS

(1403) E 30th AVE. 150 N Santiago; two 1-story and basement frame dwellings.
Owner—Nils E. Johnson, 666 Mission.
Architect—Not Given. each \$3500

DWELLINGS

(1404) E FINEHURST 45 S Upland; three 1-story and basement frame dwellings.
Owner—Nils E. Johnson, 666 Mission.
Architect—Not Given. each \$3500

ALTERATIONS

(1405) 3983 26th STREET; alter exterior of dwelling.
Owner—A. Bruno, 3983 26th St.
Architect—Not Given.
Contractor—F. Grannucci, 82 Naples. \$1500

DWELLINGS

(1406) E 34th AVE 100 S Ulloa; three 1-story and basement frame dwellings.

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - California

Owner—S. Young Inv. Co., 1143 Grant Avenue.
Architect—Not Given. each \$3000

DWELLING

(1405) NE COR. 34th AVE and Ulloa;
one-story and basement frame dwelling.

Owner—J. F. May, 1337 6th Ave.

Plans by Contractor,
Contractor—W. H. May and C. Francis, 523 33rd Ave. \$5000

DWELLINGS

(1408) W 17th AVE 250 S Lawton St;
two 1-story and basement frame dwellings.

Owner—M. D. Hardiman, 423 73rd Ave.
Architect—Not Given. each \$3500

ALTERATIONS

(1409) NE COR. FIRST and Mission;
alterations in lofts.

Owner—C. C. Moore, Sheldon Bldg.

Architect—T. H. Meyer, Underwood Bldg.

Contractor—G. Wagner, 181 So. Park. \$3000

DWELLING

(1410) W 24th AVE 225 N Clement;
one-story and basement frame dwelling.

Owner—E. A. Janssen, 511 Hearst Building.

Architect—Not Given. \$4000

DWELLING

(1411) E 26th AVE 300 N Geary St;
one-story and basement frame dwelling.

Owner—E. A. Janssen, 511 Hearst Building.

Architect—Not Given. \$4000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
203	Kelly	Hallgren	4650
204	Marinos	Linderman	1350
205	Kaplanis	Star	3250
206	Livingston	Young	3285
207	Leary	Bayview	3850
208	Tainter	Kolsberg	5800
209	Hogan	Kolsberg	5800
210	Haskin	Wengard	5800
211	Boyle	Rench	3990
212	Micheleott	Morris	8800

BUILDING

(203) S LAWTON 32-6 E 21st Ave.
25x100; all work on one-story and basement frame building.

Owner—C. V. Kelly, 1951 Geary St.
Architect—Not Given.

Contractor—A. Hallgren, 1594 29th Avenue.

Filed and Dated Sept. 17, 1931.

Roof boards on\$1162.50
Brown coated1162.50
Completed and accepted1162.50
Usual 35 days1162.50

TOTAL COST, \$4650

Limit, 90 days. Plans and Spec. filed.

REMODELING

(204) SE THIRD AVE. and Clement St.; all work for remodeling store building.

Owner—Dionisos Marinos.

Architect—W. R. Lindeman, 829 44th Avenue.

Contractor—H. O. Lindeman, Ltd., 619 17th Ave.

Filed Sept. 17, '31. Dated July 31, '31.
Deposited with Alberton Realty

when agreement signed\$500
Brown coated500
Work completed500
Usual 35 days450

TOTAL COST, \$1950

Limit 45 days. Plans and Spec. filed.

BUILDING

(205) S PTN of SE COR. PRESIDIO Ave. and California St.; all work for building.

Owner—George and Antonia G. Kaplanis, 3195 California St.
Architect—Not Given.

Contractor—Star Concrete Co., 3124 Geary Street.

Filed Sept. 18, '31. Dated Sept. 14, '31.

Roof on\$2060

Brown coated2060

Completed and accepted2070

Usual 35 days2060

TOTAL COST, \$3250

Bond, \$8000. Sureties, National Surety Company.

BUILDING

(206) N S HAIGHT ST 152-6 W Ashbury St. (work and description of building omitted).

Owner—Mildred and Hilda Livingston.

Architect—Bertz, Winter & Maury, 210 Post Street.

Contractor—Young & Horstmeier, Sheldon Bldg.

Filed Sept. 18, '31. Dated Aug. 20, '31.

Fifth of each month75%

Usual 35 days25%

TOTAL COST, \$3285

Bond, \$3285. Sureties, American Bonding Co. Forfeit, \$10. Limit, 45 days. Plans and Spec. filed.

DWELLING

(207) SE NEWHALL ST. 25 SW Innes Ave SW 25 x SE 100 Bk 184 Central Park HD Assn; all work for a frame dwelling.

Owner—John and Mary Leary.

Architect—A. R. Williams, Humboldt Bank Bldg.

Contractor—Bayview Realty Co., consisting of P. Morales and A. R. Sanchez, 4922 3rd St.

Filed Sept. 18, '31. Dated Aug., '31.
\$3,850 and conveyance of ppty desc'd

A ptn lots 1 and 2 blk 61 Map Reis Tract desc'd E Brussels and N line lot 2 E 120 x S 100 m or 1 W 120 N 45.

First pty to convey to contractor E Brussels N line lot 2 E 120 x S 100 W 120 N 45 on SE Newhall SW Innes Ave. for \$2,000.

Contractor to receive his payment from above transactions.

TOTAL COST, \$3850

Limit, 135 days. Plans and Spec. filed.

BUILDING

(208) SE CAINE AVE 375 SW Lakeview Ave SW 25 x SE 100 lot 42 Bk I Columbia Heights Tract; all work for 6-room building.

Owner—R. Tainter.

Architect—Not Given.

Contractor—T. Kolsberg, 141 Winfield.

Filed Sept. 18, '31. Dated Sept. 1, '31.

In four equal payments.

25% after notice of completion.

TOTAL COST, \$5800

Limit, 160 days.

BUILDING

(209) SE CAINE AVE 400 SW Lakeview Ave SW 25 x SE 100 lot 43 Bk I Columbia Heights Tract; all work for 6-room building.

Owner—C. Hogan.

Architect—Not Given.

Contractor—T. Kolsberg, 141 Winfield.

Filed Sept. 18, '31. Dated Sept. 1, '31.

In four equal payments.

25% after notice of completion.

TOTAL COST, \$5800

Limit, 160 days.

DWELLING

(210) E FUNSTON AVE 37 N Balboa St N 25 x E 85; all work on 2-story and basement frame dwelling.

Owner—Henry Haskin, 729 25th Ave.
Architect—Fabre and Hildebrand, 110 Sutter St.

Contractor—Carl Wengard, 546 Sansome St.

Filed Sept. 18, '31. Dated Sept. 15, '31.

Frame up\$2,125

Coat of plaster on2,125

Completed and accepted2,125
Usual 35 days2,125

TOTAL COST, \$8,500

Bond, \$4,250. Sureties, Chas. Monson and S. Dalbey. Forfeit \$5 per day. Limit, 85 days. Plans and Spec. filed.

DWELLING

(211) S JUSTIN DRIVE which pt is located as follows: From the monument in Justin Drive opp Lots 9 and 10 blk 5839 map Saint Mary's Park S 880 42' W 71-967 S 0032' 18" E 43-063 to S Justin Dr W and on the arc of a curve to right with radius of 2652 for dist of 73 to beg th from above desc'd ptn to beg continuing alg S Justin Drive on the arc of curve to right with radius of 2652 for dist of 25-204 th on arc of curve to left with radius of 388 for dist of 2-796 S 03 20' W 85-920 N 860 24' 42" E 28-092 N 03 20' E 83-518 ptn lots 13 and 14 St Mary's Park; all work for one-story and basement frame dwelling.

Owner—Wm. Boyle.

Architect—Not Given.

Contractor—M. C. Rench.

Filed and Dated Sept. 21, 1931.

Frame up\$997.50

Brown coated997.50

Completed and accepted997.50

Usual 35 days997.50

TOTAL COST, \$3990

Limit, 90 days. Plans and Spec. filed.

RESIDENCE

(212) COR. PORTOLA DRIVE and Dorchester Way, lot 4 blk 2987 No 1 Dorchester Way; all work for frame and stucco 6-room and breakfast room residence.

Owner—L. A. Micheleott.

Architect—Not Given.

Contractor—Morris and Weiner, 1182 Market St.

Filed Sept. 22, '31. Dated Aug. 10, '31.

Frame up\$2,200

Coat of plaster on2,200

Completed2,200

Usual 35 days2,200

TOTAL COST, \$8800

Limit, 90 days.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

Sept 17, 1931—SE CHENERY 138 NE Roanoke NE 25 x S 100 blk 7, Fairmount Tract. Giovanni and Rosina Crisci to R Folliott.

September 17, 1931

Sept 17, 1931—E LYON 50 S Turk S 25 x E 137-6 WA 590. Elizabeth Golden to Art Tile & Mantel Co.

September 15, 1931

Sept 17, 1931—W 28th AVE 15 N Santiago N 25 x W 120 O L 1094. Julius S Godeau to whom it may concern.

September 16, 1931

Sept 17, 1931—W 21st AVE 253 S Noriega 25x120. John E McCarthy to whom it may concern.

September 15, 1931

Sept 17, 1931—W RHODE ISLAND bet 22nd and 23rd Sts 33x100, 1096 Rhode Island St. Louis J Schoenstern to F and J Nielsen.

September 1, 1931

Sept 16, 1931—E 29th AVE 150 N Santiago 25x120. Ragner and Esther Monson.

August 28, 1931

Sept 16, 1931—N BEACH 137-6 East Broderick E 25 x N 127-6. Hannah M Mortola to Louis Franceschi.

September 12, 1931

Sept 16, 1931—S BROADWAY 187 E Webster E 53-7 1/2 x S 132-6. Wm Helbing Sr to whom it may concern.

September 15, 1931

Sept 16, 1931—E 21st AVE 100 North Ortega N 25 x E 120 O L 937. Carl and Fred Geller to whom it may concern.

Sept 16, 1931—W 20th AVE 50 North Ortega N 25 x W 100 C L 937. Carl and Fred Gellert to whom it may concern.....September 14, 1931

Sept 16, 1931—SW LAKEVIEW AVE 50 N Margaret AVE NW 25 x SW 55 Blk C Map Columbia Heights Tract, Mary A Collins to whom it may concern.....September 14, 1931

Sept 16, 1931—E 29th AVE 125 N Santiago 25x120. Ragner and Escher Monson to whom it may concern.....September 16, 1931

Sept 17, 1931—LOTS 23, 24, 25, 26, 27, 28, 29, 30 and 31 Blks 0871, B Sub No 2 Geneva Terraces. BWS Casa Way dist 133-619 NW from W Retiro Way NW 25 SW 100 SE 9-419 SE 15-717 m or l NE 97-955 m or l to beg ptn Marina Gardens. Henry and Hazel Stoneson to Stoneson Bros and Thorinson.....September 15, 1931

Sept 22, 1931—E 25th AVE 125 N Santiago 25x120. N W Anderson to whom it may concern.....September 21, 1931

Sept 22, 1931—W 44th AVE 75 North Judah N 25 x W 95. Knute and Jenny J Knutsen to whom it may concern.....September 21, 1931

Sept 23, 1931—W 45th AVE 175 S Lawton 25x120. John F McGuire to John Maloney.....September 22, 1931

Sept 22, 1931—N LAWTON 90 East 22nd Ave E 25 x N 100 OL 789 N Lawton 115 E 22nd Ave E 30 x N 100 OL 789. San Francisco Home Bldg Co to whom it may concern.....September 22, 1931

Sept 21, 1931—SW 26th and CASTRO W 25 x S 80 H A 180. Marshall T Struthers to whom it may concern.....September 21, 1931

Sept 21, 1931—W FIFTEENTH AV 140 N Taraval 25x127-6. M Purt to G J Elkington & Sons.....September 19, 1931

Sept 21, 1931—E FORTY-SIXTH AVE 150 S Balboa S 25x E 120. Rebecca Morris to whom it may concern.....September 18, 1931

Sept 21, 1931—E MISSISSIPPI 443 N Twenty-second Sts. Max and Eda Meneghetti to W E Tuomisto.....September 19, 1931

Sept 21, 1931—E CAYUGA 50 N Oneida 25x75. Ray T Lindsay to Claude T Lindsay.....September 19, 1931

Sept 19, 1931—663-65 SEVENTH AVE. Sol F and Flora M Meyer to whom it may concern.....September 18, 1931

Sept 19, 1931—N LAWTON 90 W 31st Ave W 30 x N 100. Henry Doelger to whom it may concern.....September 17, 1931

Sept 19, 1931—880 25th AVE. O M and L M Oyen to whom it may concern.....September 15, 1931

Sept 18, 1931—W 31st AVE 225 N Vicente N 50 x W 120. E E Johnson to whom it may concern.....September 17, 1931

Sept 18, 1931—W 33rd AVE 175 S Kirkham S 50 x W 120 OL 807. Whitney Inv Co Ltd to Marian Realty Co.....September 18, 1931

Sept 18, 1931—N 18th 160 E Noe 25x 114. 3966-3968 18th St. Catherine Sullivan to whom it may concern.....September 18, 1931

Sept 17, 1931—1722 18th AVE 125 S Moraga on 18th Ave. John F Kelling to whom it may concern.....September 16, 1931

Sept 18, 1931—W 16th AVE 428-5 S Pacheco S 35 x W 120. Sudden Lumber Co vs C W and M W Wagner and H W Armbrust \$866.78

Sept 18, 1931—S GREENWICH 40 E Franklin E 60 x S 79. Tyre Bros Glass Co vs Sarah Schwalbe and Laughlin Const Co and Charles A Laughlin \$383.05

Sept 18, 1931—S GREENWICH 40 E Franklin E 60 x S 79. Overhead Door Co of Northern California vs Laughlin Const Co, Chas Laughlin, Sarah Schwalbe, Surety Engineering Service Inc, Globe Indemnity Company \$186.75

Sept 16, 1931—E WEISE Place 100 N 16th 80x30. George McHugh vs T F Denman \$25

Sept 15, 1931—W CAROLINA 150 S Nineteenth 25xW 100. G R Neilson vs G and L Ferranto \$87.30

Sept 22, 1931—S GREENWICH 40 E Franklin E 60 x S 79 WA 98. D Bonucelli as Standard Concrete Const Co vs Chas A Laughlin as Laughlin Construction Co, Sarah Schwalbe, Globe Indemnity Co \$500

Sept 22, 1931—N HEARST AVE 275 E Foerster. Henry Erickson to whom it may concern.....September 18, '31

Sept 22, 1931—N NORTH POINT 180 E Webster 25x137-6. Risdon Bros to whom it may concern.....September 24, 1931

Sept 22, 1931—E 33rd AVE 75 N Vicente N 50 x E 120 OL 1205. Jesse Horn to whom it may concern.....September 22, 1931

Sept 21, 1931—W SCOTT 62-6 Post S 25 x W 82-6. California Concrete Co vs E and G Scharff, R Ferguson and C Hall & Son \$130

Sept 21, 1931—S GREENWICH 40 E Franklin E 60 x S 79. Tyre Bros Glass Co vs Sarah Schwalbe, Laughlin Const Co and Charles A Laughlin \$383.05

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded	Amount
Sept 19, 1931—W 16th AVE 428-5 S Pacheco S 35 x W 120. Surren Lbr Co to C W and M W Wagner and H W Armbrust.....	\$866.78
Sept 19, 1931—2226 or 341 E WISCONSIN bet 20th and 21st Sts 617, 627 and 629 Wisconsin St. James Wells to Ash & Hand and I Rodriguez.....	\$21.87
Sept 18, 1931—2022 or 498 N CLAY 55 E Walnut E 27-6 x N 127-3/4. A A Zelinsky & Co to M Steveller or R C Buckle.....	

BUILDING PERMITS

Alameda County

1092 Peterson	Owner	3200
1093 Dygert	Dygert	4000
1094 McFarland	Carlson	1000
1095 Gilmore	Owner	1000
1096 Lyon	Owner	5000
1097 Calif. Invst.	Owner	1000
1098 Freeman	Watson	2000
1099 Oakland	Sullivan	6000
1100 Krieg	Peterson	4000
1101 Wood	Wonderlite	2000
1102 Lyon	Owner	3000
1103 Moore	Owner	4000
1104 Pacific	Wierk	20000
1105 Meyer	Leekins	4000
1106 Lyon	Owner	2750
1107 Peterson	Owner	1500
1108 Scanlon	Owner	2000
1109 Roth	Owner	3500
1110 Wiggins	Owner	3500
1111 Jensen	Owner	3500
1112 Petersen	Owner	3200
1113 Dygert	Dygert	4000
1114 Howard	Johnson	20412
1115 Taylor	Owner	3500
1116 Woodburn	Owner	8000

EWELLING
(1092) NO. 825 EVELYN AVE., ALBANY. Five-room dwelling. Owner—G. Peterson, 951 Kula Ave., Albany. Architect—Not Given. \$3200

DWELLING
(1093) NO. 525 CURTIS ST., ALBANY. Six-room dwelling. Owner—Miriam C. Dygert, 2623 Ashby Ave., Berkeley. Architect—Not Given. Contractor—H. I. Dygert, 2623 Ashby Ave., Berkeley. \$1000

ALTERATIONS
(1094) NO. 1879 CALALINA AVE., BERKELEY. Alterations. Owner—Thomas McFarland. Architect—Not Given. Contractor—V. Carlson. \$1000

ALTERATIONS
(1095) NO. 604 GILMAN ST., BERKELEY. Alterations. Owner—Gilmore Oil Co. Architect—Not Given. \$1000

DWELLING
(1096) 1440 ACTON ST., BERKELEY; one-story 9-room 2-family frame and stucco dwelling. Owner and Builder—Henry Kaupplio, 1430 Acton St., Berkeley. Architect—Not Given. \$5000

ALTERATIONS
(1097) NO. 2607 BENVENUE AVE., BERKELEY. Alterations. Owner—California Investment Co., 1212 Central Bank Bldg., Oakland. Architect—Not Given. \$1000

DWELLING
(1098) 201 GLENWOOD Glade, OAKLAND; one-story three-room dwelling. Owner—Beryle D. Freeman. Architect—Not Given. Contractor—Wm. Watson, 4750 Mel-don Ave., Oakland. \$2000

RESTAURANT
(1099) FOOT OF FOURTEENTH ST., OAKLAND. One-story 6-room restaurant. Owner—Port of Oakland, Grove St. Pier. Architect—Not Given. Contractor—Sullivan & Sullivan, 2653 Best Ave., Oakland. \$6683

FOUNDATION
(1100) NW E-FOURTEENTH ST. & 34th Ave., OAKLAND. Concrete foundation. Owner—J. J. Krieg Co., E-14th St. and 34th Ave., Oakland. Architect—Not Given. Contractor—J. B. Petersen, 4021 Agua Vista Ave., Oakland. \$4000

SIGN
(1101) FOURTEENTH AND HARRISON STS., OAKLAND. Electric sign. Owner—Wood Hiding Company. Architect—Not Given. Contractor—Wonderlite Neon Products Co., 2801 Broadway, Oakland. \$2000

DWELLING
(1102) 3445 MORRISON ST., OAKLAND; one-story 6-room dwelling. Owner and Builder—C. D. Lyon, 6501 Buena Vista Ave., Oakland. Architect—Not Given. \$3000

DWELLING
(1103) NE COR. 57th and CARBERRY STS., OAKLAND; one-story 6-room dwelling. Owner and Builder—Mrs. Elsie Moore, 533 52nd St., Oakland. Architect—Not Given. \$4000

LIENS FILED

SAN FRANCISCO COUNTY

Recorded	Amount
Sept 19, 1931—LOT 24 BLOCK 6 Amended Map Ingleside Terraces. D Blechman as Blechman and Blechman vs J G and L Mareck and S C Martenstein.....	\$265
Sept 19, 1931—E WEISE 100 North 16th E 39 x N 60. John Cassarese vs T F and M J Denman.....	\$223.84

ADDITION

(1104) SF COR, FIFTH and ALICE STS., **OAKLAND**; one-story concrete addition.
Owner—Pacific Freight Line, 18th and Peralta Sts., Oakland.
Architect—Not Given.
Contractor—Nick Wierk, 1560 Alice St. Oakland. \$20,000

DWELLING

(1105) 75 GLENWOOD GLADE, **OAKLAND**; one-story 6-room dwelling.
Owner—A. Meyer, 1650 Hopkins St., Oakland.
Architect—Not Given.
Contractor—C. W. Leekins, 1650 Hopkins St., Oakland. \$4000

DWELLING

(1106) 3734 CANON AVENUE, **OAKLAND**; one-story 5-room dwelling.
Owner and Builder—C. D. Lyon, 6501 Buena Vista Ave., Oakland.
Architect—Not Given. \$2750

ALTERATIONS

(1107) W HIGH ST. 140 N Hopkins, **OAKLAND**; alterations and additions.
Owner and Builder—Edigia Petersen, 3621 High St., Oakland.
Architect—Not Given. \$1500

RESIDENCE

(1108) NO. 2424 WEST ST., **BERKELEY**. One-story 5-room 1-family frame residence.
Owner—C. J. Scanlon, 1139 Cedar St., Berkeley.
Architect—Not Given. \$2000

DWELLING

(1109) 4120 OAKMORE ROAD, **OAKLAND**; two-story 6-room dwelling.
Owner and Builder—L. W. Roth, 1340 E 38th St., Oakland.
Architect—Not Given. \$4500

DWELLING

(1110) N GLENWOOD GL. 500 East Broadway Terrace, **OAKLAND**; 1-story 5-room dwelling.
Owner and Builder—Jesse S. Wiggins, 5735 Avenal Ave., Oakland.
Architect—Not Given. \$3500

DWELLING

(1111) 4140 WOODRUFF AVE., **OAKLAND**; one-story 5-room dwelling.
Owner and Builder—A. K. Jensen, 1106 Excelsior Ave., Oakland.
Architect—Not Given. \$3500

DWELLING

(1112) NO. 825 EVELYN AVE., **ALBANY**. Five-room dwelling.
Owner—G. Petersen, 851 Kains Ave., Albany.
Architect—Not Given. \$3200

DWELLING

(1113) NO. 525 CURTIS ST., **ALBANY**. Six-room dwelling.
Owner—Miriam C. Dygert, 2623 Ashby Ave., Berkeley.
Architect—Not Given.
Contractor—H. I. Dygert, 2623 Ashby Ave., Berkeley. \$4000

WAREHOUSE

(1114) FIRST AND MARKET STS., **OAKLAND**. One-story brick warehouse.
Owner—Howard Terminal, Premises
Architect—Reed & Corlett, Oakland Bank Bldg., Oakland.
Contractor—S. G. Johnson, 4652 Dolores Ave., Oakland. \$26,442

DWELLING

(1115) NO. 3621 ARDLEY AVE., **OAKLAND**. One and one-half-story 6-room dwelling.
Owner—F. S. Taylor, 2973 Hopkins St., Oakland.
Architect—Not Given. \$3500

RESIDENCE

(1116) NO. 394 MOUNTAIN AVE., **PIEDMONT**. Two-story 9-room frame and stucco residence.
Owner—F. L. Woodburn, 617 Walla Vista Ave., Oakland.
Architect—W. E. Schirmer, 1079 Excelsior Ave., Oakland.
Contractor—F. L. Woodburn, 617 Walla Vista Ave., Oakland. \$9800

BUILDING CONTRACTS

Alameda County

No.	Owner	Contractor	Amt.
143	Bianchetti	Faramia	2500
144	Union	Central	
145	Stevens	Reimers	7524

COTTAGE

(143) LOTS 23 and 24 BLK 2, Keystone Td, Berkeley; general construction on 4-room cottage.
Owner—Antonio and Giuseppina Bianchetti, Berkeley.
Architect—Not Given.

Contractor—John Faramia, 827 Madison St., Berkeley.
Filed Sept. 17, '31. Dated Aug. 29, '31.
When roof is on.....\$800
First coat of plaster.....600
When completed.....600
30 days after completion.....600
TOTAL COST, \$2600

Limit, 90 days. Specifications filed.

PAVEMENT

(144) BELLEVUE and Grand Aves., Oakland; laying asphaltic concrete pavement for service station.
Owner—Union Oil Co. of California, Los Angeles.
Architect—Not Given.
Contractor—Central California Roads Co., 2779 Poplar St., Oakland.

Filed Sept. 18, '31. Dated Aug. 31, '31.
On completion.....75%
Usual 35 days.....25%
Approx. 5740 sq. ft. at 18.4c sq. ft.
Bond, \$500. Sureties, U. S. Fidelity & Guaranty Co. Plans and Spec. filed.

DWELLING

(145) LOT 41, Lakeshore Manor Td, Oakland; general construction on two-story dwelling.
Owner—Harry and Karen Stevens, Oakland.
Architect—Not Given.
Contractor—Irwin H. Reimers, 745 Walla Vista, Oakland.

Filed Sept. 23, '31. Dated June 17, '31.
When roof is on.....25%
1st coat of plaster.....25%
When completion is filed.....25%
Usual 35 days.....25%
TOTAL COST, \$7524

Limit, 90 days.

COMPLETION NOTICES

Alameda County

Recorded	Accepted
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Sept. 19, 1931—LOT 98, St. James Wood, Piedmont. Lila C and Maurice A Murphy to Charles E. Bardwell Jr. Sept. 18, 1931
Sept. 19, 1931—NW EAST 14TH ST. and 46th Ave., Oakland. Bank of America National Trust & Savings Assn to David Nordstrom. Sept. 15, 1931

Sept. 19, 1931—LOT 28 BLK 9, Thousand Oaks, Berkeley. Evelyn R Barnett to B. Reinghaus. Sept. 14, 1931
Sept. 19, 1931—PTN LOT 28 BLK 26 North Cragmont, Berkeley. Norma Lannon Langton and Herbert Pope Langton to A. W. Schneek. Sept. 10, 1931

Sept. 17, 1931—CAMPUS OF THE University of California, Berkeley.

The Regents of the University of California to D N & E Walter Co

Sept. 18, 1931—SEPTEMBER 10, 1931
all lots 40 and 41 blk 22, map No 8 of Regents Park, Albany. Joe Vila to whom it may concern.....

Sept. 18, 1931—LOT 26 BLK 13, Oakmore Highlands, Oakland. James B and Isabelle E Clifford to J M Olson. September 12, 1931

Sept. 17, 1931—LOT 11 BLOCK C, Scenic Boulevard Knoll, Oakland. A Christensen to G C and F E Warn. September 11, 1931
Sept. 17, 1931—PTN LOT 1 BLK 33, Warner Tract, Oakland. C Tolleson to whom it may concern.....

Sept. 16, 1931—NE COR of that certain tract of land firstly desc in deed from Leslie M Mumford and wife to Caryle Carr and wife dated Dec 4, 1928 and recorded in liber 1986 Official Records page 387, th NE 10 chains, NW 10 chains, SW 10 chains SE 10 chains, Pleasanton Twp. Caryle Carr to C M Russell. September 7, 1931
Sept. 16, 1931—LOT 63 BLK 11, North Cragmont, Berkeley. L L Elster to Floyd Van Geider. Sept. 11, 1931

LIENS FILED

Alameda County

Recorded	Amount
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Sept. 19, 1931—NW CRAGMONT Ave 80 SW Marin Ave., Berkeley. Jas A Davis Co vs Jack Smith; Anna Sara Smith and Earl Converse. \$264

Sept. 18, 1931—LOT 28 BLK 11, North Cragmont, Berkeley. West'n Roofing Co vs Frank H and Beulah Felt. \$228

Sept. 18, 1931—LOTS 27-28 and 29 Blk 8, Steinway Terrace, Oakland. J H Fitzmaurice vs Lulu Brown. \$126.50

Sept. 17, 1931—LOT 35 BLK M, Estudillo Estates, San Leandro. W H Pollard Jr vs Catherine M and Wm B Moskman and Mrs D Lipton. \$155

Sept. 16, 1931—NW UNION ST 112 ft SW of Santa Clara Ave., Alameda. Detroit Steel Products Co vs Harold and Alice C Norton, N F Justice. \$232.40

Sept. 16, 1931—LOTS 3 and 13 BLK 31, Warner Tract, Oakland. W F Garrett doing business as Garrett Mill & Lumber Co vs Minnie E Jacobson. \$373.94

Sept. 15, 1931—NO. 644 CRAGMONT Road, Berkeley. Atlas Heating & Ventilating Co, Ltd vs F H Felt. \$57.50

Sept. 14, 1931—LOT 16 NW 10 in of Lot 17 Blk 11, Map of Key Route Heights. J A McKeever vs Michael Raffetto and G J Stefson. \$157.22

Sept. 21, 1931—SE PEARL ST. 130 SW Calhoun St., Alameda. I M Toalson vs O C Leva and N F Justice. \$223

Sept. 21, 1931—NE UNION ST. 112 SW Santa Clara Ave., Alameda. I M Toalson vs Harold and Alice C Norton and N F Justice. \$231.50

Sept. 19, 1931—NW NINTH AVE 75 SW E-17th St., Oakland. Joe Jobe vs Clint Wesley Miller. \$184

Sept. 19, 1931—NW UNION ST. 112 SW Santa Clara Ave., Alameda. Thomas F Rigney (as the Rigney Td Co) vs Harold Norton; Alice C Norton and N F Justice. \$153.50

Sept. 22, 1931—NW CRAGMONT AVE 80 ft SW of Marin Ave, Berkeley. W O Birch vs Jack and Anna Sarah Smith, E R Converse. \$35

Sept. 22, 1931—LOT 33 Lakeshore Manor, Oakland. Richmond Sanitary Co vs Ross and Blanche Singry, Jas Rich. \$125.50

Sept 22, 1931—NW UNION ST 112 SW Santa Clara, Alameda, Powell Bros, Inc vs Horace and Alice Norton, M Justice\$381.48
 Sept 22, 1931—SE PEARL ST 130 SW Calhoun St, Alameda, Powell Bros, Inc vs A and Mable Levo, M Justice\$399.51

RELEASE OF LIENS

Alameda County

Recorded	Amount
Sept. 19, 1931—NO. 1714 AND 1720 Treestle Glen Ave., Oakland, Morgan Electric Co to E R Javis \$144.01	
Sept 17, 1931—LOT 20 BLK 12 Lakeside Subdiv of Adams's Point Pty., Oakland, Smith Lumber Company of Oakland to Henry, Rachel C and Rachel H Nelson.....\$315.80	
Sept 17, 1931—PTN LOTS 11 and 12 Blk 7, Highland Manor, Oakland, N D Perkins and L M Cox (Perkins & Cox) to Rachel and R G Roberts.....\$160	
Sept 11, 1931—LOT 20 BLK 12 Lakeshore Sub of Adams's Point Pty., Oakland, Incandescent Supply Co to Axel C and Rachael H Nelson, W M Weakley.....\$283.50	

BUILDING CONTRACTS

SAN MATEO COUNTY

RESIDENCE
 LOT 10 BLK 3, Edgewood Park, San Mateo, All work for residence and garage.
 Owner—Milton H. Clarkson, 1945 Broadway, San Francisco, 1945
 Architect—Not Given.
 Contractor—Harry E. Bourquin, 1649 Brewster St., Redwood City.
 Filed Sept. 18, '31. Dated Aug. 29, '31.
 Frame up..... ¼
 Brown coated..... ¼
 Completed..... ¼
 Usual 35 days..... ¼
 TOTAL COST, \$5667
 Bond, none. Limit, 100 working days.
 Forfeit, plans and specifications, none.

RESIDENCE
 COLMA. All work for one-story and basement frame and stucco residence.
 Owner—Gino Possi et al, Colma, Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
 Contractor—Joseph Bettencourt, San Bruno.
 Filed Sept. 16, '31. Dated Sept. 17, '31.
 Sheathed.....\$1455.75
 Brown coated..... 1455.75
 When completed..... 1455.75
 Usual 35 days..... 1455.75
 TOTAL COST, \$5823.00
 Bond, \$2911.50, Surety, Glens Falls Indemnity Co. Limit, 100 working days. Forfeit, plans and specifications none.

BUILDING PERMITS

SAN MATEO

DWELLING, \$9000; Lot 14 Blk 14; 238 Irving St., San Mateo; owner and contractor, J. C. Wells, Harrison Ave., San Mateo.
 BUNGALOW, \$4000; E 40 ft. Lot 74 and W 50 ft. Blk 318, 25th Ave., San Mateo; owner and contractor, Castle Bldg. Co., El Camino and Allen Sts., San Mateo.
 ALTERATIONS, \$2000; Lot 10 Rocheco Sub. 425 Clark Drive, San Mateo; owner and contractor, L. G. Hamner, 608 Crescent Ave., San Mateo.
 RESIDENCE, \$8000; Lot 18 Blk 14, Fairfax; owner and contractor, Buschke & Johnson, 235 Third Ave., San Mateo.

RESIDENCE, \$4000; Lot 11 Blk 35, N. Delaware St., San Mateo; owner and contractor, A. de Benedetti.
 ALTERATIONS, \$2000; Lot 164, No. 100 Clark Drive, San Mateo; owner, L. W. Redington; contractor, L. Wegner.
 RESIDENCE, \$4000; Lot 1 Blk 2 No. 204 26th Ave., San Mateo; owner and contractor, Henry Erickson.
 RESIDENCE, \$4000; Lot 18 Blk 20, No. 934 S-Grant St., San Mateo; owner and contractor, Lengfeld & Olund, 229 3rd Ave., San Mateo.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
Sept. 18, 1931—LOT 18, Wooster, Whittan and Montgomery Tract, San Mateo, Wilmar Warm et al to Emil Berndtsen et al.	Sept. 8, 1931
Sept. 21, 1931—PART LOTS 1 AND 4 Blk 19, Lomita Park. E W Latimer to whom it may concern	Sept. 21, 1931
Sept. 19, 1931—LOTS 19 AND 20, Central Park. L F Bourquin et al to whom it may concern	Sept. 10, 1931
Sept. 19, 1931—LOT 3 BLK 9, University Park, San Mateo. Zoe V Knox et al to Henry B Past.....	Sept. 15, 1931
Sept. 21, 1931—LOTS 4 AND 5 BLK 1, De Colon Sub, Burlingame. Frederick Peterson et al to G W Williams Co, Ltd.....	Sept. 17, 1931
Sept. 15, 1931—LOT 6 BLK 40, Devonshire, Mable G Carlisle to whom it may concern.....	Sept. 14, 1931
Sept. 15, 1931—LOT 18 BLK 7, East San Mateo. Cecil Ridges et al to Castle Bldg Co et al.....	Aug. 14, 1931
Sept. 15, 1931—LOT 3 BLK 20, Willborough Place, San Mateo. G W Williams Co, Ltd to G W Williams Co, Ltd.....	Sept. 14, 1931
Sept. 15, 1931—LOTS 19 AND 20, Blk 12, Central Park, San Mateo. W M Bernard to whom it may concern.....	Sept. 16, 1931
Sept. 17, 1931—LOTS 30, 40 AND 41 Blk 17, Huntington Park. Charles W Chase to whom it may concern	Sept. 15, 1931
Sept. 17, 1931—STATE HIGHWAY below Redwood City, State of California to J E Amaral.....	Sept. 15, 1931

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
Sept. 18, 1931—LOTS 9 AND 10 BLK 5, San Bruno Park. C E Reinhart & Co vs W R Witt et al.....	\$32.31
Sept. 21, 1931—LOT 10 BLK 36, Lyon & Hoag Subd., Burlingame. Frank J Regan vs H A Norton et al.....	\$75
Sept. 21, 1931—LOTS 14 AND 15, Hillsborough Acres. Joseph Fee vs John S Aikman et al.....	\$865
Sept. 16, 1931—LOT 3 BLK 18, Easton. F H Kohler vs R N Nobles.....	\$1423

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded	Amount
Sept. 21, 1931 — LOCATION NOT Given. San Mateo Planning Mill Co to D F Valentine et al.....	
Sept. 15, 1931—PART LOT 22, Quillota Tract, San Mateo. Fred Bullock to whom it may concern	
Sept. 17, 1931—LOTS 17, 18, 19 AND 20 Blk A, Millbrae Park. F M McNulty to whom it may concern.....	
Sept. 17, 1931—LOT 7 BLK 20, East San Mateo. Wm C Haller, L N Zont; Arc Electric Co; Ray & Montague et al; Mark Dillon; G Dragatto & Co; N S McCartney and C E Reinhart Co to R Lukens et al.....	

BUILDING PERMITS

REDWOOD CITY

DWELLING, frame, 3 rooms and bath, \$1000; No. 724 St. Francis Ave., Redwood City; owner, Mark Henry; contractor, R M Gordon.
 DWELLING, frame, 6 room, bath and garage, \$6667; No. 988 Blandford Blvd., Redwood City; owner, M. H. Clarkson; contractor, H. E. Bourquin, 2710 Broadway, Redwood City.

BUILDING PERMITS

PALO ALTO

RESIDENCE, frame and stucco, 10 rooms and garage, \$11,400; No. 1255 Hamilton Ave., Palo Alto; owner, Dr. Walter A. Jilson; architect, Guy Koepf, Carmel Woods contractor, Osborn & Knight, 495 Bailey St., Mountain View.
 RESIDENCE and garage, frame and stucco, \$6250; 1821 Fulton Street; owner, James Cooter; contractor, Wells P. Goodenough, 310 University Ave.
 RESIDENCE, frame and stucco, \$3700; 901 College Ave.; owner, William Herbert.

BUILDING PERMITS

SAN JOSE

RESIDENCE, frame, 6 room, \$5000; N. Third St. near Mission, San Jose; owner, Fred Ginter, 446 N. Thirteenth St., San Jose; architect, C. S. McKenzie, Twoby Bldg., San Jose; contractor, R. Calveili, 855 Nevada St., San Jose.
 RESIDENCE, frame, 7 room, \$4850; 18th St. near St. James St., San Jose; owner and contractor, T. G. Wick, 331 West Court St., San Jose.
 RESIDENCE, frame, 6 room, \$3000; Shortridge St. near 33rd St., San Jose; owner, Manuel Freitas, R. F. D., Almaden Road, San Jose; contractor, W. J. Martin, 456 Delmas Ave., San Jose.
 RESIDENCE, frame, 5 room, \$3000; Hedding St. near Elm St., San Jose; owner and contractor, E.

Member Insurance Brokers' Exchange

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 490 GEARY STREET

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San Francisco

E. Moore, 1010 Stockton St., San Jose.

BUILDING CONTRACTS

SANTA CLARA COUNTY

RESIDENCE

ALL LOT 7 and Ptn Lot 6 Blk 119.
Map of Crescent Park, Palo Alto.
All work for residence and garage
(Colonial House).
Owner—Dr. and Mrs. Walter Arthur
Jilson, 559 Kingsley St., Palo Alto
Architect—Guy Koeppe, Carmel Woods,
Carmel.
Contractor—Osborne & Knight, 495
Bailey St., Mountain View.
Filed Sept. 16, '31. Dated Sept. 1, '31.
House enclosed 25%
Plaster completed 25%
Building completed 25%
Usual 35 days 25%

Bond, \$5500. Sureties: Osborne
& Knight and James H. Pierce. Limit,
90 working days. Forfeit, none. Plans
and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Sept. 21, 1931—LOT 5 BLK 1, North
Glen Residence Park, San Jose.
Ira Brotzman to whom it may
concern Sept. 21, 1931

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
Sept. 21, 1931—(1)N FRANKLIN ST.
187.50 E Alviso St. E on Franklin
56.75x139.50 deep; (2) N Liberty
St. 64 E Main E on Liberty St. 50
by 116.85, Santa Clara. W P Ful-
ler & Co vs Thomas Maloney as to
Parcel 1; Ella Maloney as to
Parcel 2\$130.34 and costs
Sept. 21, 1931—17.86 acre tract situ-
ated on N line of Story Road and
adj Coyote River on E and being
part of land conveyed by James
Ashworth to Remillard Brick Co
140 D 324, excepting therefrom all
that ptn thereof conveyed by said
Remillard Brick Co, subsequent
to 10-31-91. E J Mattocks vs The
Remillard Brick Co.....\$487.55 & costs
Sept. 17, 1931—LOT 12 BLK 7, Los
Altos Park, Los Altos. D. & S.
Lumber Co, Inc vs Roger Ladira
.....\$226.99

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded Accepted
Sept. 16, 1931—LOT 3 BLK 7 Range
7 South, Snow & Pettis Addition.
Mt. View, Helmer Anderson, \$181;
H A Childers, \$364 to J W Crigler

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Sept. 15, 1931—PTN LOTS 1, 2, 3
and 4 Blk 1, College Terrace, Palo
Alto. Rose M Sullivan formerly
Rose Murphy to Geo B Moore.....
Sept. 9, 1931
Sept. 15, 1931—LOT 28 BLK 13, Rose
Lawn being ptn of Los Coches
Rancho K-13. Arnold E Holmes
to whom it may concern
Sept. 14, 1931
Sept. 15, 1931—NW SANTA RITA
Ave and SW Waverly St. E 38°

18' W and NW Santa Rita Ave
113 43 and 87 75 12 to pt beg; Part
Lot 5 Blk 6, Seale Tract Subd No.
7, Palo Alto. Alfred and Belen A
Johnson to Alfred Johnson.....

Sept. 15, 1931—SANTA CLARA
Southern Pacific Co to Security
Warehouse & Cold Storage Co
(warehouse) Sept. 14, 1931

Sept. 15, 1931—PARK AVE at inter-
section with main line of Southern
Pacific Co., San Jose. Southern
Pacific Co (lessee) to whom it may
concern Sept. 14, 1931

Sept. 15, 1931—LATHAN & MARLI-
possa Ave, being Ptn Lot 48, Buena
Vista Subd, San Jose. Jack and
Theresa Reynolds to whom it may
concern Sept. 15, 1931

Sept. 16, 1931—LOT 32, Barron
Park, Palo Alto. L R Brother to
whom it may concern Sept. 15, 1931

Sept. 17, 1931—LOT 9 BLK 62, South
Palo Alto K Maps 75 Map No. 2,
Seale Addition, C B Van Epps to
whom it may concern. Sept. 15, 1931

Sept. 17, 1931—N UNIVERSITY AVE
bet. The Alameda and Morse Sts.,
San Jose. C P Cook to G M Latta
..... Sept. 17, 1931

Sept. 17, 1931—LOT 24, McCreary
Subd of Lot 9 and part Lots 31,
32, 33 and 34, Alta Vista Tract O
Map 65, San Jose. J J Hunter to
Burt Stoops Sept. 14, 1931

Sept. 18, 1931—PARCEL NO. 1: Beg
at the point of the Ely line of
Alviso St with the N line of Bell-
omy St.; th rng Ely and along said
N line of Bellomy St. 50 ft. th rng
at r/a N and par with the E line
of Alviso St. 100 ft. th at r/a W
and par with the N line of Bell-
omy St. 50 ft. to pt on the Ely
line of Alviso St.; th rng S and
along said E line of Alviso St.
100 ft. to the pt of beg; being a
part of Lot 2 Blk 5 S R 3 E of
the City of Santa Clara "B" of
Maps page 103, records of said
County.

Parcel No. II: Beg at pt on the N
line of Bellomy St. distant there-
on 50 ft E from the p o i of the N
line of Bellomy St. with the E
line of Alviso St.; the rng E and
along said N line of Alviso St. 50
ft. th rng at r/a's N and par with
the E line of Alviso St. 100 ft rng
r/a 's W and par with the N line
of Bellomy St. 50 ft. th rng at r/a
S and par with the E line of
Alviso St. 100 ft. to pt of beg; be-
ing part of Lot 2 Blk 5 S R 3 E
of the City of Santa Clara. 15
shown up on the Map thereof of
record in "B" of Maps page 103.

Parcel III: Beg at pt on the N
line of Bellomy St. distant there-
on 100 ft. E from the p o i of the
line of Alviso St.; th rng E and
N line of Bellomy St. with the E
line of Alviso St. 100 ft. th rng at
r/a's N and par with the E line of
Alviso St. 114 ft. th rng at r/a's
W and par with the N line of Bell-
omy St. 87.50 ft. th rng at r/a's S
and par with the E line of Alviso
St. 114 ft. to pt of beg; being part
of Lot 2 Blk 5 S R 3 E of the City
of Santa Clara "B" of Maps page
103. Sibona to Ealo Di Fiore.....
Sept. 18, 1931

Sept. 18, 1931—LOT 3, Santana Subd
2, Maps 16, San Jose. Elsie P
"Alexander" to Clyde Alexander.....
Sept. 16, 1931
Sept. 18, 1931—W UNIVERSITY
Ave being Lot 20 of Sec. 16, Town
of Los Altos. J P MacCormack
to M W Reese Sept. 11, 1931
Sept. 19, 1931—LOT 10 BLK 3 map of
Subdiv of lots 1 and 3 of Alba
Park H maps 119 which map was
recd in L Maps 9. Richard D Kel-
ly to whom it may concern
September 15, 1931

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
Sept. 15, 1931—LOT 12 BLK 7, Los
Altos Park near Los Altos. Wm
Duckgeisel vs Roger J Larira
.....\$199.85

Recorded Amount
Sept. 19, 1931—PTN LOTS 1 and 2
Blk 3, Sainsevain Villa, situate on
southwesterly line of Lincoln Ave.
Pratt Roofing Co, \$60; Williams &
Russo, a corp, \$170.25, vs Joe La-
gana, also known as Bellantoni.

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded Amount
Sept. 18, 1931—LOT 22 BLK 6, Seale
Addition No. 2, Palo Alto. Steve
Anderson & Son, \$167.50; McElroy
Chelm Lumber Co, \$108.76; D &
S. Lumber Co., Inc, \$69.88 to F
P Gover
Sept. 18, 1931—LOT 22 BLK 6, Seale
Addition No. 2, Palo Alto. Roy
D Gover to Leon De Mars\$250

BUILDING CONTRACTS

MONTEREY COUNTY

HOUSE

LOT 4 BLK 15, Riker and Jackson
Survey, Salinas. All work for two-
story house.
Owner—F. W. Winham, 307 Riker St.,
Salinas.
Architect—Not Given.

Contractor—Herbert P. Kimzey, Romie
Lane, Salinas.
Filed Sept. 19, '31. Dated Sept. 18, '31.
Basement completed\$ 666.25
Frame up and rough plumbing
and wiring installed 1000.00
Plaster on 1665.25
All work fully completed 1665.35
Usual 35 days 1665.25

TOTAL COST, \$6665.00
Bond, limit, forfeit, none. Plans and
specifications filed.

COTTAGE

LOT 8 BLK 118 Carmel-by-the-Sea.
All work for two-story cottage.
Owner—Helene Eichacker, Carmel.
Architect—Guy O. Koeppe, Carmel.
Contractor—C. M. Hall, Carmel.

Filed Sept. 17, '31. Dated Sept. 17, '31
Forms in and lumber on job. 25%
House enclosed 25%
When completed 25%
Usual 35 days 25%

TOTAL COST, \$—
Bond, none. Limit, 20 working days.
Forfeit, none. Plans and specifications
filed.

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
Sept. 11, 1931—COR. TYLER ST.
and Del Monte Ave., Monterey. J
S and Helen R Malloway to C J
Dempsey, Tynan Lbr Co, North
Younkins, Pierce & Towie, Wm
Ingram, L E Lewis and Wm H
Ten Yeck August 17, 1931
Sept. 11, 1931—SCHOOL SITE of
Central School building, Salinas.
Salinas City School District to
Anderson, Dougherty, Hargis Co
..... Sept. 4, 1931
Sept. 12, 1931—LOT 10, Maple Park
Addition No. 1, Frank E and Lena
A Silva to J Frank Laughton.....
Sept. 10, 1931
Sept. 12, 1931—LOT 24 BLK 4, Map
of Villa Del Monte. Fred J
Weckerle to whom it may concern
..... Sept. 8, 1931
Sept. 15, 1931—LOT 21 BLK B-10,

Addition No. 7 to Carmel-by-the-Sea, J M Santana to A C Stoney
Sept. 15, 1931—LOT 3 BLK 3, Monterey Heights, H L Morelock to Ray Brudenhecker Sept. 14, 1931
Sept. 18, 1931—LOT C BLK 3, Sherwood & Hellman's Map, Salinas City, Nellie K Muller to E F Reese Sept. 10, 1931
Sept. 21, 1931—BEING PORTION of Nacional Rancho, Monterey, Wilma M Williamson to E H Thompson Sept. 19, 1931
Sept. 21, 1931—LOT 4, C Tynan Subdivision, Monterey, C and Annie Tynan to S Trondhjem Sept. 17, 1931

LIENS FILED

MONTEREY COUNTY

Recorded Amount
Sept. 11, 1931—BEING PTN OF BLK 341, Map of Pinchurst, City of Pacific Grove, Anderson-Dougherty-Hargis Co vs Agnes and J A Benham and H D Coon \$256.30
Sept. 22, 1931—LOT 5 BLK 1, C Tognetti Subdivision of a portion of Rancho Nacional, George D and Victor H Patrick (Patrick-the Plumber) vs J E Eckett \$400
Sept. 16, 1931—SUBD OF LOT 94 of Nacional Rancho, W F Sechrist Lumber Co vs John Dougherty, Arthur T Himmah, Wm C Moffat and S Mendez \$161.59

BUILDING CONTRACTS

CONTRA COSTA COUNTY

APARTMENTS

LOT 7 BLK 1, Amended Map of a portion of Blk A, Town of Rodeo. All work for one-story and basement frame and stucco duplex apartment.
Owner—Manuel Fortado, Rodeo.
Architect—Not Given.
Contractor—Karl S. Koller, Crockett.
Filed Sept. 11, '31. Dated Sept. 11, '31.
Roof rafters in place \$1250
Brown plastered \$1250
Upon completion 1250
Usual 35 days 1425
TOTAL COST, \$5175
Bond, limit, forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded Accepted
Sept. 16, 1931—LOT 25 BLK 14, Berkeley Highlands, W P Barnes to Henry B Gross Sept. 14, 1931
Sept. 19, 1931—LOTS 4, 5, 6, 7, 8, 9 and 10 Blk 3, Town of Rodeo, Manuel Alameda to John Ferreira Sept. 4, 1931
Sept. 19, 1931—RICHMOND School District, Richmond School District to Tandy & Theis, The Grierson Heating Co., Sept. 15, 1931
Sept. 19, 1931—PTN LOT 99, San Pablo Rancho (containing 19.3 acres), Richmond Union High School District to Johnson & Wolfe Sept. 14, 1931
Sept. 15, 1931—LOTS 30 AND 31, Bige Park Tract, D L Duncan to E M Gilleran Co., Sept. 5, 1931

LIENS FILED

CONTRA COSTA COUNTY

Recorded Amount
Sept. 16, 1931—LOT 11 AND N 12 Lot 12 Blk 30, North Berkeley Terrace, George C Garcia vs J V Matteson \$260
Sept. 15, 1931—LOTS 20 AND 31 Map of San Pablo Cutting Junction

Tract, Richmond, John Carriek vs I N Larson and Community Builders of Richmond \$273.77

BUILDING PERMITS

STOCKTON

DWELLING, stucco, 7 room and garage, \$6000; No. 344 Knowles Way, Stockton; owner, N. M. Parsons, 245 W-Stanislaus Drive, Stockton; contractor, Randolph & West.

COMPLETION NOTICES

SONOMA COUNTY

Recorded Accepted
Sept. 14, 1931—SE A AND FOURTH Streets, Petaluma, Pacific Greyhound Lines, Inc to Max Barlas, August 26, 1931
Sept. 15, 1931—LOT 275 BLK 9, Wheeler Second Addition to Santa Rosa, Sonoma County Abstract Bureau to C W Gandy, Sept. 14, 1931

LIENS FILED

SONOMA COUNTY

Recorded Amount
Sept. 12, 1931—114.51 ACRES in SEC. 28 T 8 N R 10 W M D M, Henry Hess Co vs F W Drake, Margaret Drake; B F Drake, Harriet Drake and S Lorenzo \$223.09
Sept. 16, 1931—SEC 7 T 7 N R 10 W, William J Smith, \$182.12
Henry Hess Co, \$738.42 vs B G Sears
Sept. 19, 1931—PART OF ALT 6, Rancho Roblar, Santa Rosa, Santa Rosa Departments Store (A E, S A and D C Poulson) vs G L Bakar George Bakar and George Green \$16.36

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted
Sept. 16, 1931—ROSS, A Christensen to whom it may concern, June 1, 1931

LIENS FILED

MARIN COUNTY

Recorded Amount
Sept. 18, 1931—CORTE MADERA, The Turner Co vs T K Cunningham \$229
Sept. 18, 1931—SAN ANSELMO, Scott Machinery Co vs Emma F and Laura Daniel \$635.74

RELEASE OF LIENS

MARIN COUNTY

Recorded Amount
Sept. 17, 1931—SAN ANSELMO, Geo Wolfe to Harold E Squire, \$390

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
Sept. 22, 1931—LOT 7 BLK 2, City Park Terrace, Stockton, Anton Larson to whom it may concern, Sept. 19, 1931

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
Sept. 18, 1931—PTN SECTION 35, Township 1, South Range 6, East, Stockton, Hayward Lumber & In-

vestment Co vs David and Grace 501093
Sept. 17, 1931—SW 10 ACRES SW 1/4 of Section 6 T 2 S R 7 E, Stockton, Hayward Lumber & Investment Co vs J H Riddle \$428.75

BUILDING PERMITS

SACRAMENTO

BUILDING, one-story, \$3600; No. 2749 Y St., Sacramento; owner, T. Giannattasio, Riverside Blvd., Sacramento; contractor, H. Schmidt.
RESIDENCE, frame and stucco, 9-room and garage, \$8500; No. 1913 12th Ave., Sacramento; owner, T. Scott, 1602 11th St., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Sept. 16, 1931—LOT 436, Swanston Park Unit 2, Sacramento, Warren Lester and Catherine A. Kivett to whom it may concern, Sept. 15, 1931

BUILDING PERMITS

FRESNO

DWELLING and garage, \$4000; No. 525 Yale Ave., Fresno; owner, Carl Gustafson.
ALTERATIONS and additions, \$1000; Fulton and Stanislaus Sts., Fresno owner, California Auto Laundry, Premises.
SHED, lumber, \$3000; No. 2021 H St., Fresno; owner, Willard Lumber & Supply Co., Premises; contractor, F. J. Stone.

LIENS FILED

FRESNO COUNTY

Recorded Amount
Sept. 18, 1931—LOT 25, Producers Col. W C Augustine vs Nick Krause et al \$85

G. E. School Teaches Welded Building Design

The General Electric Company has announced the opening at Schenectady of a school of welding design to teach engineers, architects, draftsmen, etc., both in and out of its employ, methods of designing welded buildings.

There is no charge for instruction in the course, which requires approximately four weeks for completion. It is a flexible one and can be adjusted to suit each individual. The course requires that the applicant be an engineer, or have some training in structural design or some experience in the design of riveted structures. It is then only necessary for him to learn the difference between the application of welding and riveting to steel frames.

The subject is approached from a scientific point of view based on studies and tests by the General Electric Company over a period of years in welding work, particularly in the construction of its own factory buildings. The following design problems are now being studied: Typical Pratt truss; typical Warren truss; typical Pink truss; plate girder with concentrated and uniform loads; plate girder with concentrated moving loads; beam and girder connections involving various forms of brackets; column connections including base plates and miscellaneous frames as desired by the students. In addition, there are included special features within the limits of frame structures.

STATE MAY LOSE \$400,000 YEARLY IN TRUCK TAXES

The State of California stands in a position to lose approximately \$400,000 in truck taxes annually by a decision handed down by a Los Angeles County Superior Court judge.

The state board of equalization, which foresees the possibility of the revenue loss, announced that if the decision of the lower court is sustained on appeal, the effect will be that only truck lines holding certificates of convenience and necessity from the railroad commission would be compelled to pay a gross receipts tax to the state.

All other trucks not operating between fixed terminal would escape taxation under the gross receipts tax.

The suit upon which the decision is based was filed by the board of equalization against G. M. Duntley, Southern California truck operator, to collect \$30,000 in taxes alleged to be due for the fiscal year of 1929-30.

Claiming tax exemption because he did not operate between fixed points, Duntley showed that each trucking job he performed was covered by a separate contract with the shipper. He was successful in his defense.

Catalog 31, issued by the Earl Gear & Machine Co., Philadelphia, Pa., gives detailed specifications for metallic and non-metallic gears, racks, sprockets, sheaves, speed reducers and bridge-operating and similar machinery.

MISCELLANEOUS SUPPLIES AND MATERIALS

MODESTO, Stanislaus Co., Cal.—Monolith Portland Cement Co., awarded contract by Modesto Irrigation District to furnish and deliver 20,000 bags of Portland cement for use in construction on district works. Cement will be delivered as follows: At Modesto on the siding of the corporation at Woodland Ave., f. o. b., 15,500 bags; at Waterford, Calif., 4500 bags.

OAKLAND, Cal.—Linde Air Products Co., 114 Sansome St., San Francisco, at \$1.10 per 100 feet awarded contract by East Bay Municipal Utility District for furnishing 100,000 cu. ft. of oxygen gas for welding. Air Reduction Sales Co., Park and Hallock Sts., at \$2.50 per 100 feet awarded contract for furnishing 50,000 feet of dissolved acetylene gas.

BUSINESS OPPORTUNITIES

SAN FRANCISCO—Names and addresses of the individuals or firms concerned in the following opportunities will be furnished on request to the Business Opportunity Department of Daily Pacific Builder, 545-547 Mission Street. Phone Garfield 8744:

21382—Representation. Antwerp, Belgium. Firm is desirous of contracting local manufacturers with view to becoming their exclusive and authorized general representative, agent and distributor for Belgium (head office), France, Baltic States and Balkan.

21384—Sales Agency. New York City. Party is interested to establish connections with manufacturers looking to create a branch of distribution or a sales agency in France or in French colonies.

21385—Asphalt, Wood Pulp. San Francisco. Firm in Trieste, Italy, is desirous of forming connections for asphalt and wood pulp, to be supplied from the Pacific Coast.

21387—Acetylene Welding Apparatus. Stuttgart, Germany. Manufacturer of

acetylene welding apparatus wishes connection with importers.

21388—Cork. Nuertingen, Wuerttemberg. Manufacturer of sheet cork for auto packings and cork insoles for tennis shoes wishes representation.

21389—High Pressure Economizer. Kerfeld, Germany. Manufacturer of high pressure economizer for steam boilers wishes representation.

21392—Electric Motors. San Francisco. Bids wanted by foreign government on electric motors, fans, boilers, machines, tools, trolley trucks, etc. Condition of tender and specifications available.

21394—Representation. Chefoo, China. Firm is anxious to contact exporters of hardware, drugs, fancy goods, textiles, machinery, soap, bicycles, etc.

21398—Representation. Maracaibo, Venezuela. Party establishing himself next month in Caracas, Venezuela, is anxious to represent local manufacturers and exporters.

21399—Representation. Georgetown, British Guiana. Party is interested in representing manufacturers in British Guiana.

21400—Representation. San Jose, Costa Rica. At end of year, party plans to establish himself as a representative of commercial houses, and exporters.

ENGINEERING SOCIETIES EMPLOYMENT SERVICE

Further information regarding positions listed in this column is obtainable from Newton D. Cook, Room 715, 67 Post Street, San Francisco. (Phone SUTter 1844).

R-3661-S SALES ENGINEER, experienced, to represent an eastern company manufacturing a complete line of sprinklers, valves, etc., for irrigation of lawns and gardens. Must know how to secure this business as he will be entirely on his own. Drawing account and commission. Location, San Francisco.

W-2920-S STRUCTURAL DESIGNERS. Must be American citizens (final papers), not over 45, in good health and physically sound. Free steamship transportation. Salary, \$270 a month. Apply only by letter. Location, Central America.

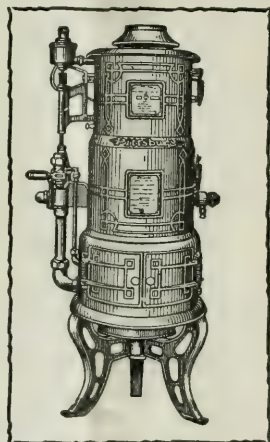
R-3637-S HYDRAULIC ENGINEER, competent to design deep well turbine centrifugal pumps. Must be up-to-date in theory and practice as position requires a man who can qualify as chief engineer. Apply by letter with experience and salary expected. Location, Northern Calif.

R-3638-S ELECTRICAL MANUFACTURER with established business wishes to locate someone with \$10,000-\$20,000 who would like to acquire an interest in the company. Will bear investigation as to past and present record. Location, Bay Region.

W-3038-C-S (K-379) MECHANICAL ENGINEER to be in charge of operation, maintenance of mills, etc., in sugar plants. Must have had tropical experience in work of this kind. Salary \$4200 a year and board and transportation. Apply only by letter. Location, South America. Headquarters, New York.

W-2890-C-S MECHANICAL ENGINEER, well acquainted with equipment used in connection with construction of highway bridges and able to design equipment such as cranes, derricks, excavators, compressors, concrete mixers, steam shovels, conveyors, pneumatic drills, riveters, etc. Salary, \$500-\$600 a month less income tax; 25% to 30% in American money and balance in rubles for living expenses. Transportation furnished. Apply only by letter. Location, Moscow.

W-3093-C-S CHIEF CHEMIST for sugar plant, to take charge of field and factory laboratory. Men experienced in agricultural chemistry as well as plant control preferred. Salary, \$300 a month and board and transportation. Apply only by letter. Location, South America. Headquarters, New York.



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Published Every Saturday
Thirty-fifth Year, No. 40

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STABILIZED WAGES IN INDUSTRY ASKED

Stabilized wages in the entire lumber industry is the first essential for stabilized lumber prices, according to W. C. Ruegnitz, president of the 4L organization, the lumbermen's organization in the Pacific Northwest. He said that it was the low-wage sawmill operations that have been cutting the prices of lumber until now there is no profit for anyone and severe losses for many. A large number of plants have been forced to close down rather than to continue to sell their product at a loss.

Ruegnitz commended the plywood manufacturers who recently agreed they would not pay less than \$3, which is the 4L minimum scale for common labor set by the 4L board of 12 employer and 12 employee directors.

"The situation the lumber industry is now facing," said Ruegnitz, "is the most serious it has ever experienced. The situation has been greatly aggravated by employers who have cut wages below \$3 for eight hours and have then cut prices of lumber so low that the industry is facing bankruptcy. The operations, both within and without the 4L, which are paying the 4L scale of wages or better, have to face the competition of low-wage mills. For two years now some mills have continued to cut wages and each cut has been followed by lowering of lumber prices.

"Fair-minded lumbermen throughout the Pacific Northwest urge that wage cutting be stopped and that all operations stand solidly with the 4L for a firm minimum wage base for the entire industry. It is a matter of decency to labor and also a fair basis from which lumber prices can be brought up to a profitable level. Stabilization must start on a firm base fair to all concerned. A reasonable wage base is an absolute necessity."

"HEALTH HOUSE" IS FEATURE OF EXHIBIT

A model of the "health house" of Dr. F. M. Lovell at 2161 Dundee Drive, Los Angeles, is being shown at the New York Museum of Science and Industry, illustrating the development of human habitations from the time of the cave dwellers to the present.

The model is an exact replica on a quarter-inch scale of the original and is about 4 ft. square and about 30 inches high.

The original house, designed by Architect Richard J. Neutra, is a steel and glass structure with spandrels and solid walls of cement shot into place by compressed air. The house stands on the south side of one of the Los Feliz hills and is designed to give a maximum of light and air. The model is made of metal and glass and was built by Harry Schoeppe of Los Angeles.

ENGINEERS YOU MADE "IT"—NOW SOLVE "IT"

The statement of Roy V. Wright, president of the American Society of Mechanical Engineers, largest technical society in the world, that "engineers and scientists caused the industrial depression by invention of labor-saving devices and that it is up to them to solve it" found a quick response.

Henry L. Doherty, utility magistrate, has offered the society the \$500,000 Mr. Wright said would be needed to find ways to meet the situation. The offer came as a complete surprise and as yet no definite action has been taken, but it is probable that it will be accepted and the society called upon to develop a plan for the relief of problems which its president has said were caused by the engineers.

CONGRESSMAN TO FIGHT OREGON LABOR ON CALIF. PROJECT

Congressman Harry L. Englebright will take steps to block the plan of the Interstate Construction Company of Portland to use out-of-the-state labor in the construction of twelve miles of federal highway on the McCloud section between Mt. Shasta and Mt. Lassen.

The congressman got into action when he learned that the contractor had negotiated with a Portland employment agency to supply the several hundred men who will be needed in completing the \$96,000 highway project.

Englebright said he will protest to the company against the importation of labor when more than 400 men are unemployed in the vicinity of Dunsmuir, and if the company persists he will see that it lives up to the letter of the law in performing the contract.

Officials of the bureau of public roads, said Englebright, are opposed to the policy of importing labor and they are using their influence to require the employment of local labor.

ARCHITECTS LEAGUE TO RE-ELECT OFFICERS

Re-election of the officers of the Architects' League of Hollywood who served during the past year, is recommended by the Nominating Committee. The annual election of the league will be held October 7.

Present officers are: L. G. Scherer, president; V. B. McClurg, vice-president; J. A. Murrey, secretary-treasurer; directors, M. L. Barker, Ralph Finell, John Roth, James T. Handley and Donald F. Shugart.

W. A. BECHTEL HEADS SIX COMPANIES, INC.

W. A. Bechtel, Sr., former vice-president of the Six Companies, Inc., contractors on the Hoover Dam project, has been named president of that organization, succeeding Wm. H. Wattis, who died Sept. 18.

Bechtel is president of the W. A. Bechtel Co., one of the six organizations now constructing the Hoover Dam.

E. O. Wattis, brother of the late president, has been elected first vice-president of the company, succeeding Bechtel. Wattis recently assumed chairmanship of the board of the Utah Construction Company.

The position of second vice-president, vacated by E. O. Wattis, will be assumed by H. W. Morrison, vice-president and general manager of the Morrison-Knudsen Co. of Boise, Idaho.

The directors also announced the election of H. J. Lawler and Guy LeRoy Stevick Sr. to the board of Six Companies, Inc. Lawler, who is an executive of the Utah Construction Co. fills the vacancy created by the death of William H. Wattis.

Stevick, vice president of the Fidelity & Deposit Co. of Maryland, represents the various surety companies who have underwritten the bond covering the Boulder Dam contract.

East Bay Water District to Employ On 4-day Week Basis

Doing all in its power to relieve the unemployment situation, the East Bay Municipal Utility District will employ 225 men as laborers on a schedule of four days a week this winter instead of 150 men on a six day week schedule.

On recommendation of Frank W. Hanna, chief engineer and general manager, the district board of directors voted that the district could make a distinct contribution to the local unemployment situation in the period just ahead by providing its present force of 225 men with part time work instead of giving full time work to the more limited number.

The district's budget for this fiscal year provides for the employment of 150 common laborers on regular maintenance and construction work. Recently the number was increased to 225 to handle the laying of 30 miles of pipe line in the newly annexed Castro Valley district. The work is nearly completed, and a lay-off for 75 men was in sight until Hanna worked out his compromise proposal, now adopted.

The men will be employed on the maintenance work of the district and in new pipe line work for the several outlying districts that it is expected will shortly join the Utility District. The regular hourly wage of the district will be paid.

FORECLOSURES REVEAL STRUCTURAL DEFECTS AS FACTOR IN MORTGAGE FIELD—BUILDING REGISTRY CHIEF

(By Clyde A. Mann, Director, Certified Building Registry, New York)

Some of the important revisions of mortgage loan practice by insurance companies as well as banks, trust companies and other sources of loan funds which will result from the disclosures in connection with foreclosures throughout the country, will be more complete and precise investigations of the structures. Speculative building brought with it many new short-cuts as well as new fire hazards in building which affect, it is found, the net and gross incomes and the ability of the borrower to pay principal and interest more than they did in days of better building.

Recognition of the importance of the structure has come to the big loan executives slowly; they have attributed less importance to structure than is its due. With varying degrees of thoroughness they have checked up the matter of structural excellence, but with many it was a matter of secondary importance, a job for an untrained subordinate and not for an engineer.

Report Calls Conditions Deplorable

To get "the low-down" on the facts from competent and impartial sources we were fortunate in having a report made for us some months ago which is too startling to be published entire. If occupants of many buildings knew the facts they would move and to create alarm without means to identify the structures which are safe and those unsafe is not justifiable. Nevertheless I am able to quote from portions of that report enough to show the importance of the entire subject. To be safe I checked the report with the construction department of one of the major life insurance companies (not many companies have such a department) and was told the statements are beyond doubt true and moderately stated. I will quote some paragraphs from that amazing report:

"The need for the rating of building upon the basis of real value instead of cost must be very apparent to anyone who has had anything to do with the financing, planning, construction, renting or owning of buildings of any kind whatever. As an engineer engaged in the designing of the structural features of buildings I greatly deplore the present conditions in New York City—and elsewhere, and especially so as regards the lack of safety of a large number of our multi-floor buildings. The advent of the garment-maker and his ilk as speculative builders has introduced into building construction a multitude of ideas which have all tended to produce most inferior structures. Garish ornamentation, as a rule, cover up poor work and lead the public to think that the products of this class of builder are all fine. I, however, together with many others who have devoted their lives to the building industry are well aware of the havoc which has been wrought in "quality building" by these men.

"In my practice of consulting engineering I have frequently been retained by building loan institutions to examine the structural designs of proposed structures with the view of passing on the matter of their safety. On many occasions I have discovered dangerous weaknesses existed in the designs, which would imperil the lives of the public. In every such instance, I have met with tremendous opposition on the part of the owner-builder

to making such changes in the designs as would make the building safe and in accordance with law and generally accepted good engineering practice.

Lack of Adequate Inspections

"Many lending institutions pay no attention whatever to the structural features of projects on which they plan to invest the public's money. Estimated rental income as compared to cost per cubic foot seems to be the basis on which most of them understand financing. And even in cases where the lending institutions have adopted standard specifications, no adequate inspection during construction is provided to insure the carrying out of the specifications.

"As an instance of this fact: A recently erected office building (where the financing was predicated upon very rigid specifications as to materials and workmanship) but because of the lack of inspection the builder was able to substitute cheaper and inferior products to the extent that he and his associates were able to split a melon of over half a million dollars. At the completion of the building, due to the fact that the actual cost of construction was almost one million dollars less than the actual money loaned by the bankers.

"Of course, the bankers don't know that this is so, but in the meantime the public purchased the bonds, stocks and debentures, etc., in good faith and believing that the costs as outlined in the prospectus for the job were substantially correct. The ultimate result is, of course, that the public holds a mortgage on the building and that mortgage exceeds the actual value of the building by nearly one million dollars.

"This sort of thing is most common here in New York and unless something is done very soon we are going to see an utter collapse of the faith of the public in real estate projects as good, sound investments. What that will mean is that healthy growth in the building industry will altogether cease, for without the investing public there can be no (or little) building."

Lloyd's Idea Applied to Building

Structural assurance as to ships was secured more than a century ago by the non-governmental, impartial and thorough inspections of Lloyd's Register of Shipping and today a Lloyd's rating of a ship is accepted by any bank as a sound basis for an appraisal on which sales, loans and insurance will be made promptly, no matter where the ship may be.

Similar inspection service and classification was urged some years ago by Walter Stabler when he was controller of the Metropolitan Life but the idea was not adopted by the company. The plan, somewhat developed in detail, now has on its governing board-elect composed of men who are outstanding representatives of the architects, the engineers, the property managers, the contractors, the realtor-builders and the fire underwriters. Walter J. Chase of Philadelphia, representing the National Association of Insurance Agents, recently accepted election to the board of the Certified Building Registry, called the "Lloyds register of building," a service corporation like the Underwriters' Laboratories. The sale of "structural assurance" certificates through the 10,000 offices of the association which

Mr. Chase represents, assures a system that will safeguard building standards of the future, and furnish owners of well built structures of the present means to identify their buildings authoritatively in the competition for tenants in a market that is burdened with surplus space.

The announcement soon will be made of the complete governing board of the "C.B.R." with the expected additions to it of representatives of the life insurance companies, banks and the Building Trades Council of the Federation of Labor and one or two other groups.

The rating so far done has been in the dwelling house field under the initial "rating code" which took into consideration not only the structural permanence but also the fire safety, the comfort and the major expense of fuel cost. The rating codes for other buildings will consider their economic values quite as well as the soundness of structure, although the latter is important as the report quoted and a vast amount of other evidence serves to show. The gross income over a period of years is determined in a large measure at the time of construction by the attractiveness of the design, interior and exterior. The maintenance and operating expenses also are importantly determined by the structure and its equipment. Therefore it will be possible to apply codes, compiled by specialists in the various types of buildings, to disclose in a sound classification and index the merits of the many elements present to affect the life and the success of the buildings for the purpose for which they may be designed.

Plan Proposed by Walter Stabler

The responsibility of the lender for the quality of buildings, particularly houses was stressed by Walter Stabler when he was controller of the Metropolitan Life, in public addresses and in other ways. At the realtors' convention in Detroit several years ago he outlined the plan as follows:

"Just before the Great War began, at several meetings of lending institutions and private building loan operators, it was proposed that a bureau be established by the lenders to which all plans and specifications should be sent upon which loans were desired from any lender. If approved by the architects and engineers of this bureau, the lender would be notified. The war prevented the carrying out of this plan but I hope it may be revived as it is much needed.

"I have stated that in my opinion the better construction of small homes and apartment buildings could be most certainly and effectively controlled by the lenders of money, including the life insurance companies.

"To put the plan to work is a large, important and beneficent undertaking and will need much hard labor, much patience and much determination to succeed. But the lending interests, including those wonderful helps to home builders, the building and loan societies, should insist that the homes built with the aid of their money must be built so as to deserve the certificate of merit, or otherwise funds be not forthcoming.

"The plan I suggested was that of establishing in every town and city where possible and bureau for the supervision of the construction of all dwellings and other buildings on which loans are wanted. The bureaus may at first be financed by the lending interests but ultimately they should be self-supporting from fees paid. I suggest that the certificates be given to builders of approved houses, a house of fire class finish and construction to be described as Class A house, and one not so good to be described as Class B. With the publicity this would

surely receive through the daily press, and from the efforts of the builders, realtors and material men, the public who buy homes will begin to demand these certificates. And failing to get them, won't buy. I predict that in any city where this plan is put into operation it will not be long before all houses built with borrowed money will be under bureau supervision, with the certain result of driving out of business the dishonest or ignorant builders, and the insuring to buyers of homes houses which are honestly built and durable.

Even in France, where construction work usually is sound, it has been found necessary to create in the Bureau Veritas, the French ship rating organization, a department for the careful inspection and rating of buildings.

MONTEREY BUILDERS BEATING LICENSE FEE

A Monterey ordinance requiring payment of a \$30 fee by contractors, needs a new system of enforcement. In the opinion of D. L. Dawson, secretary of the Monterey County Builders' Exchange.

Dawson believes it is ineffective enforcement to check up on builders when building permits are obtained, since owners sometimes call for the permits. The ordinance can be enforced only when unlicensed contractors are discovered working on a job, the secretary said.

"The various sub-contractors who pay the fee are continually competing with those who fail to pay the license," according to Dawson. "Only a small percentage of 30 painters on the peninsula have paid the fee.

"All contractors whose names have been submitted to the city clerk have been billed. However, most of them have not paid. The building inspector should be given more drastic powers."

NEW SUIT ON SANTA CRUZ SEWER PROJECT

Professor Charles Gilman Hyde of Berkeley, who sued the city of Santa Cruz for \$5000 alleged to be due him for extra labor performed on his contract for installing the Santa Cruz city sewer system, and who lost the suit in the superior court and also in the court of appeal, has filed a petition for a rehearing in the district court of appeal.

City Attorney John H. Leonard has received copies of Hyde's petition, in which he contends as a basis for the request of a new hearing that "the court erred in its statement of facts."

The suit was originally tried in Judge M. Roche's court in San Francisco. Judge Roche rendered his decision against Hyde and in favor of the city. Then Hyde appealed to the district court of appeals and that tribunal affirmed the decision of the lower court. Now he seeks to have a rehearing.

Hyde had the contract for the installation of the sewer system and on its completion sued the city for a considerable sum of money alleging loss of time and extra work because of a delay in the work of paving the streets.

On a demand for a bill of particulars the City Attorney Leonard the sum was very materially cut down and finally sued for an even \$5000.

Chas. E. Douglas has been appointed city manager of Glendale, Calif., succeeding J. W. Charleville, who resigned Sept. 1 to become city manager of Pasadena.

HIGHWAY ENGINEER IS FOUND GUILTY

E. K. Gulon, office engineer of District No. 9, State Division of Highways with headquarters at Bishop, Inyo County, was found guilty by the State Civil Service Commission on the six specifications charged in the complaint filed against him by F. G. Summer, district engineer at Bishop.

The action of the commission means that Gulon, who formerly was office engineer of District 3 in Sacramento, is summarily dismissed from the state service.

Frank Durkee, of the legal department of the state department of public works, prepared the complaint against Gulon and prosecuted the charges at a hearing before Commissioner David Reese.

Counter charges filed by Gulon Summer are still pending before the commission.

Gulon was charged with inefficiency, insubordination, wilful disobedience of the district engineer, discourteous treatment of fellow employees, use of state cars for personal business and acts inimical to the public service.

DR. J. C. GEIGER NAMED HEALTH CHIEF

Dr. J. C. Geiger, nationally known public health authority and member of the University of California medical school faculty, has been appointed city health officer of San Francisco.

Dr. Geiger's salary will be \$9,000 per year. This will be increased to \$10,000 when the new charter goes into effect in January.

At the same time Dr. Jacques P. Gray, acting health officer, was appointed assistant to Dr. Geiger at a salary of \$450 a month.

BRICK PRODUCTION DECLINES IN 1929

A decrease in the total production of common brick in the United States for 1929 was noted by the Census of Manufacturers of the Bureau of the Census which found a drop of 12.1 per cent in quantity and 13.2 per cent in value from 1928.

Production of face brick showed a similar decrease, dropping 12.2 per cent in production, and 10.6 per cent in value. Production in 1929 totaled 5,634,378 thousands, valued at \$60,165,251 as compared to a production in 1928 of 6,412,810 thousands, valued at \$69,332,912.

The corresponding figures for face brick are as follows: Production in 1928, 2,411,575 thousands, valued at \$40,634,373; in 1929, 2,118,409 thousands valued at \$35,787,363.

SUBS OF TOLEDO TO FIGHT BID PEDDLING

A fight against bid peddling has been initiated by the subcontractors of the Associated Building Contractors of Toledo, Inc. A sticker has been provided by the association to each of its members, to be placed upon their bids, and all of the subcontractors are rigidly adhering to the statement made upon it, which reads as follows:

"This is our lowest and final price on the material listed below.

"We expect to confine our efforts to the up-building of our industry and have withdrawn from the auctioneering business. If you use our price in making up your bid, we would appreciate your business."

LONG BEACH ADOPTS WAGE SCALE

Fixing the pay of skilled laborers at \$5.00 per eight-hour day and that of common labor at \$4.00, the Long Beach city council has adopted a "prevailing wage scale" in conformity with the new state law for workers on public improvements.

The scale will be used as a basis for wages on various improvement jobs and the specific pay for workers on such contracts must be fixed by the council, using the new scale as a guide. The scale adopted follows:

Asphalt plant: foreman \$7, laborers \$4.50, firemen \$5, rakers \$7, shovelers \$4.50, blacksmith and welder, \$8, blacksmith, \$7, blacksmiths helper, \$5.50. Blademen, \$5, bricklayer, \$9, bricklayer's helper, \$5, bridge foreman, \$8, cable splicer, \$5, carpenter foreman, \$9, carpenter finisher, \$8, hardwood floor layer, \$8 and rough carpenter, \$5.50.

Clamshell and crane operator, \$7, air compressorman, \$5. Concrete workers, foreman, \$7, form builder, \$7, finisher, \$7; mixer operator, \$7 finisher \$6, header board setter, \$4.50.

Electrical: foremen, \$8, first class, \$8, second class, \$7. Elevator constructor, \$10 and helper, \$7; equipment repairman, \$7, fence erector, metal, \$6; foreman, \$6, assistant foreman, \$5.50, glazier, lead and plate, \$8; glazier, \$6, graferman, \$5, hod carrier, \$6.

Other Scales

Hoist operator, \$7, iron workers, foremen, \$8, structural steel, foremen, \$10; boom man installers, \$3, ornamental iron workers, \$7, structural steel workers, \$7, reinforced steel placer, \$7, bolter-up, \$6, bucket-up, \$6, riveter \$7 rivet heater \$6.50.

Skilled laborers, \$5, common labor, \$4, lathers, iron and steel, \$6, wood lathers, \$5, 1900, composition, lathers, \$5, locksmith, \$7, locksmith helper, \$5, machinist, \$8, helper, \$5.50, machinist drillman, \$6, machinist repairman \$8, manhole, builder, brick \$8; marble and tile setters, \$9, mechanics, \$8, mechanical spreader operator, \$7, motor mixer, \$5.

Painters: foremen, \$9, decorator, \$8, second class, \$6, pavement breaker, \$5. Pile driver: foremen, \$8, engineers \$7, firemen, \$5, pile driver, \$5.50. Pipe layer, \$6, helper, \$4.50; plasterer foreman, \$10; plasterer, \$9, plumber foreman, \$10, plumber, \$9, plumber helper, \$6, powderman, \$7, assistant powderman, \$5, power machine operator, \$5, roller operator, 8-ton, \$7; roofers, \$7, roofer helpers, \$5.

Sheet Metal Rate

Sheet metal worker \$9, shovel operator, gas or steam, \$9; assistant \$5; steam fitters, foremen, \$10; steamfitters, \$9, helpers, \$6; teamsters \$4, tarrazo setters \$9, tile setters, ornamental, \$7.50; timekeepers \$5, tractor operators \$5, tractor shovel operators \$6, trenching machine operator \$7, truck driver, over two-ton, \$5, under two-ton \$4.50; watchman \$4, water boy \$2.50, electric welder \$9, and gas welder \$7.

Representative F. H. La Guardia in New York last Thursday requested the Comptroller General to stop payments on all government building contracts in which steel is used, because of the industry's announcement of a 10 per cent wage reduction.

In a telegram to Comptroller General J. R. McCarl, the New York Republican warned that unless the government took drastic action, wage scale might become "an epidemic." He said payment on government contracts could be stopped under the prevailing rate of wages law. The contracts, he suggested, would include all those for public buildings and steel used in cruiser construction.

OUR PUBLIC TOLL ROADS FROM THE ENGINEER'S VIEW

The recent endorsement of the County Supervisors' Association of California for an Initiative State bond issue of \$25,000,000 to finance road building as an unemployment relief measure—the bonds to be repaid in five years by a one-cent increase in the State gasoline tax—has brought forth favorable and unfavorable comment.

Many are in favor of the increased tax which will be of two-fold benefit—one creating funds to finance additional highways and, more important, creation of jobs for the unemployed.

"The public is against any increase in the gasoline tax," is the cry.

Spencer B. Lane, an associate member of the American Society of Civil Engineers, in the accompanying article, prepared at the request of the editor, declares the term "gasoline tax" is a very misleading term. He presents some very interesting views on the subject from the engineer's viewpoint.—Editor.

By SPENCER B. LANE
Assoc. M. Am. Soc. C. E.
San Francisco

Our national system, or toll-roads the toll on which is being collected by the various states as a gasoline tax, has now become almost universal throughout these United States. Unfortunately, the various states, like private individuals, have to have money in their treasuries before they can spend money, and the gasoline tax is unquestionably the best way which has yet been devised to secure funds for the construction and maintenance of highways, but the fact remains that such a tax is really a toll rather than a tax in the usual meaning of the term. The fact is recognized by the various states, as provision is usually made for the return of the tax collected when the purchaser furnishes the state with proper evidence that the gasoline purchased was used for other purposes than the operation of a motor vehicle on the highways. Some states make no attempt to separate the users of the state highways from the users of the various county highways, but some others return a portion of the tax money collected in each county to the authorities of that county for use on county highways.

The collection of toll by means of a gasoline tax has many advantages; it is economical, as it does not require a large force of men for that duty alone; it is painless, as it is included in the price the motorist pays for his gasoline instead of being a separate transaction; it is difficult to avoid, and it is proportioned to the weight of car and distance travelled, as heavy cars use more gasoline than light ones, and the greater distance a car travels the more gasoline it uses. Horse drawn vehicles and pedestrians do not pay toll under this system, but any attempt to collect toll from this very small fraction of the users of the highways would certainly cost more than the receipts would warrant. Good paved roads are of much greater importance to motorists than to other highway users, and so we have very little protest from the motorists when called to shoulder the entire cost of construction and maintenance. It is interesting to note that most of the complaints of the use of the highways by motorists come from people who never paid any gasoline tax, and who fail to realize that the highways have

either been built and maintained by gasoline tax money, or the bonds originally issued for such construction have probably been retired from such money.

Each state has a monopoly on the construction of toll-roads within its borders because it can issue bonds which are tax free, and therefore secure a lower interest charge than private capital, and because it collects toll from the users of all roads by doing so by means of the gasoline tax. In those states where the entire proceeds of the gasoline tax must be used to construct new or maintain existing highways, the situation is very simple; the state had relieved the tax payers of the expense of building highways and maintaining them by making them self supporting toll-roads. In some states, however, a portion of the gasoline tax receipts may be, and in some must be, devoted to other purposes than highway construction or maintenance. This is particularly true of some southern states where a portion of the state gasoline tax revenue is devoted to the schools. In these latter states it is quite plain that the state in entering into a monopolistic business to make a profit, and in that way relieve their tax payers from a portion of their taxes.

In those states where the entire proceeds of the gasoline tax must be applied to construction and maintenance of highways there will come a time when the construction of additional highways is no longer a real need, and there will be more money produced from the gasoline tax than is required to maintain those already completed, and this time is not very far in the future in some places. The first result of this condition will probably be the construction of unnecessary roads, and roads of doubtful value, but eventually some of this money will be diverted to other purposes or the gasoline tax reduced, and, judging from the past, there is very little likelihood of a reduction in such an inconspicuous tax as that on gasoline.

Small highway bridges are readily absorbed in the cost of the highway, but large ones must be financed and built in another manner. The San Francisco-Oakland bridge is a very good example of such structures requiring a different method of handling, as it will cost about \$15,000,000 per mile. In these cases a separate bond issue is floated, and tolls are collected from those using the bridge until the securities have been retired, at which time the bridge is made free. One city built such a bridge, but did not discontinue the tolls after all the securities had been retired on the grounds that they wanted to collect enough money to build a second bridge but such bridges are usually made free to users as soon as possible. It is well to remember that there is no provision for discontinuing the collection of the gasoline tax, or any portion of it, upon the completion of any program of highway construction.

The term "gasoline tax" is really a very misleading term, as it is in no sense a tax on the sale of gasoline, and it would be much more accurate to designate it by some other term such as "state highway toll," but for some reason people will pay a "tax" much more willingly than they will pay a "toll," so the present term has undoubtedly advantages.

When we suggest an increase in the gasoline tax for the purpose of supplying funds for any purpose we should remember that we are proposing that the state enter into a monopolistic business for a profit instead of raising

funds by taxation. This has been done a great many times, and the railroads of Europe, the telephone systems in many foreign countries, and the tobacco monopoly in France are probably the best known examples. Humanity has a liking for "kidding" itself, but it is impossible to make a "highway toll" a "tax" by passing a law to that effect.

It may very well be that placing a toll on the highways of a state is a very excellent way to raise needed funds, but let us understand that it is not a "tax" when we do it, if we do.

"Highest Prevailing "Wage" Provided for By Supplies Bureau

"The General Conditions, Instructions and Information for Bidders" issued by the Bureau of Supplies of the City and County of San Francisco shows compliance with the new ordinance in the matter of "highest general prevailing rate of wages" and the employment of citizens only on public work. The new section of the "General Conditions," etc., section 27, is as follows:

"The attention of the contractor is hereby directed to certain provisions relative to the hours of labor and wages that shall be paid, and conditions of employment, as set forth in Ordinance No. 8995, New Series, which is hereby referred to and made a part of these specifications, and also to those certain provisions of the Charter of the City and County relative to conditions of employment, etc., which likewise are referred to and made a part hereof. Generally these provide that in the performance of any work provided for in the specifications or incident thereto, eight (8) hours shall be the maximum hours of labor on any calendar day for each person in the performance of said work.

"The compensation that shall be paid to the persons employed in the performance of the work shall be not less than the highest general prevailing rate of wages as paid in private employment as may be determined by the Civil Service Commission of the City and County of San Francisco and approved by the Board of Supervisors of the City and County of San Francisco, provided, however, that the minimum wage for persons so employed shall be not less than three (3) dollars per day.

"Any person performing any work under these specifications and contracts shall be a citizen of the United States, or shall have declared his intentions of becoming one, and shall be at the time of such employment, and for at least one year prior thereto shall have been, resident of the City and County of San Francisco, provided that this condition shall not apply where residents of San Francisco, properly qualified to perform the work under these specifications, fail to apply therefor.

"The contractor shall keep full and complete records of all persons employed in the performance of said work, showing the name, place of residence, and compensation paid to each person employed during said work and said record shall at all times be open to inspection of the representative of the Board of Public Works.

"These provisions shall apply to all persons performing labor in the execution of the contract, whether employed by the contractor directly, or as sub-contractors, or as employees of sub-contractors, or under any other arrangement; and shall apply also to persons performing labor in the commissary or other auxiliary department of labor conducted in the course of the execution of the contract."

THE OBSERVER

What He Hears and Sees on His Rounds

On her plea of not guilty to bankruptcy fraud, Mrs. Annie Silverstein, who operated the Peninsula Plumbing Company at Redwood City, will be tried before Judge Harold Louderback in San Francisco on October 23. She is charged with concealing approximately \$6000 from the bankruptcy court.

The Napa city council is considering adoption of an ordinance giving preference in the employment of resident laborers by contractors performing municipal work. Violation of the ordinance would mean a fine of not more than \$500 or by imprisonment in the city jail for not more than six months, or by both such fine and imprisonment.

Formal approval has been given by the California State Railroad Commission to the proposed Long Beach cut-off of the Los Angeles and Salt Lake Railroad Company (Union Pacific). The cut-off will be 7.58 miles in length and the estimated cost is around \$2,000,000. The project has long been in contemplation because of objections to the operations of trains on two of the most heavily traveled streets in the city.

A warning to contractors and builders who draw up contracts for construction work without having proper plans and specifications to show just what the contract covers has been issued by Carlos Huntington, state director of the Department of Professional and Vocational Standards, charged with enforcement of the contractors' license law, is contained in a letter written to a contracting firm against whom complaint had been filed by a woman client. In dismissing the complaint the Registrar severely criticized the contractors for the manner in which they drew up the contract for the work. "With no plans and specifications upon which to arrive at a just settlement when a dispute arises," the Registrar said, "it will be the policy of this department in the future to take issue against the contractor. The department wishes to admonish you that should another complaint be instituted against you and we find that you have not complied with the good business practice of furnishing written statements, legible plans and detailed specifications, it will be necessary to take action against your license."

Salesmen will be depended upon largely to lead industry out of the present depression, says Charles F. Abbott, Executive Director of the American Institute of Steel Construction.

"Today there is a great demand for men who can sell, who can move merchandise from warehouse or factory and place it in satisfactory service in the hands of the ultimate consumer and complete the process at a profit," he said. "But it is far more essential than ever that this be done at a profit to the producer and to the merchant.

"We must learn that fair volume coupled with fair profit is far more desirable than maximum volume coupled with minimum profit or no profit at all.

"The profit record in most of our industries has been anything but en-

couraging. We have been dissipating important natural resources at cost, and frequently—at a loss. Under such conditions public welfare is adversely affected.

"Goods that must be sold at a loss represent so much capital and labor thrown away. Distress sales inevitably result in a curtailment of industrial activity and unemployment. When industry is profitable, labor is profitable, and these profits are spent for goods. When industry is unprofitable, labor is thrown out of employment and consumption is reduced, thus causing a vicious circle. We will never permanently solve the unemployment problem until industry is capable of producing profits that will make possible a reserve to meet unemployment conditions similar to that set aside to protect the interests of stockholders.

"If Moses had given us eleven commandments instead of ten, the eleventh might well have been 'Uphold the Sales Price. Short of downright dishonesty, there is nothing but unethical in business as cutting the price for the sake of getting the order.'"

Figures released by the U. S. Department of Labor last Monday shows more corporations being engulfed by the wave of pay cuts.

The Labor Department said that in the month ending August 15, wage reductions were ordered in 221 establishments, affecting 738 employees. The figures preceded by more than a month the new impetus given the reduction movement by large industrial corporations.

The wage cuts ranged from 5 to 27 1/2 per cent.

However, the August figures showed a decline from the total reported in the preceding month, when 238 establishments lightened the pay envelopes of 33,238 employees from 4 to 25 per cent.

The wage figures were made public as another major committee of President Hoover's relief organization prepared to begin activities.

"Despite the inroads made upon the market by steam shovels and other mechanical dirt-handling equipment, there is still a demand for 800,000 hand shovels. But the field has been overcrowded and the new machine rivals have taken away enough business to check normal growth and leave the shovel industry fighting over-capacity," says, Business Week.

"Private construction has fallen off and public works projects have not turned up enough dirt to remedy the situation. Profitless selling has been the result.

"Efforts to eliminate disastrous price-cutting in the hand shovel industry have now resulted in a merger of 6 shovel companies comprising the largest producers. The Ames Baldwin Wyoming Shovel Co. combines Ames Shovel & Tool Co., Hubbard & Co., The Wyoming Shovel Works, Pittsburgh Shovel Co., Baldwin Tool Works, and Beall Bros. into a seven-million corporation."

Contractors for state highway work in Michigan whose contracts have been recently completed and approved find themselves in an unpleasant predicament because the state highway

department has no funds with which to meet the payments due and the prospects are that it will not have the necessary funds for several months. This is not the fault of the state highway department but is due to the fact that about \$4,000,000 which should have been paid into the highway fund has been diverted to other purposes. The department has no control over the revenues from which its funds are derived and they are allotted to meet the demands of the department whose necessities at the time seem most urgent. Contractors have appealed to the state administrative board to be allowed interest on the deferred payments but they have not yet received a definite answer to their request.

Appeals of twenty-three western lumber companies from a trade commission order to discontinue trade use of the phrase "white pine" in describing yellow pine lumber have been denied by the Federal Trade Commission. The companies, which petitioned for a rehearing, were among thirty-nine firms through the West to whom the order was issued.

Award of contracts totaling \$28,019,000 on 482 projects was reported to the President's relief organization last week. The organization said public and semi-public works contracts awarded since December 1, 1930, total \$2,490,945,000.

According to reports to the U. S. Department of Commerce the reason for the breakdown of the proposed national agreement in the British building trade is stated to be the refusal of the majority of the operatives' trade unions to accept the principle, proposed by the employers, of a minimum wage in the new system, in place of the present piecework arrangement. It is stated that approximately \$50,000,000 worth of building contracts remain unsigned and that public authorities and private concerns are waiting for some definite stabilization of the building industry before launching extensive building projects.

Value of building permits for fifty-two California cities during August was 8.3 per cent lower than for July, whereas the past eight years indicated that an average increase of about 4 per cent from July to August may be expected due to seasonal activity, according to the California State Chamber of Commerce. The general decline since the first of the year corresponds closely to the trend as reflected by the total for 168 United States cities. Corrected for seasonal changes, the Central Coast, North Coast, Central Valley, and San Joaquin Valley regions showed gains over July, while Sacramento Valley and Southern California showed declines.

Real estate men are recognizing that design is no primary factor in building, according to Frederick W. Garber of Cincinnati, a director of the American Institute of Architects, who predicts that the future of group housing will be a combined effort of the real estate man and the architect.

New businesses established in San Francisco during August totaled 331 compared to 423 in July and 466 during August last year. During August 69 new business offices were reported opened. The eight months total of new business amounted to 3116 compared to 3385 for the same period last year.

ALONG THE LINE

John W. Howe, automobile editor of the Los Angeles Examiner, has been appointed secretary of the State Highway Commission by Governor Rolph. Howe succeeds Eric Cullenward who was recently appointed chief of the State Division of Documents and Publications.

Charles Edson Douglas of Long Beach has been elected city manager of Glendale. Douglas served in the engineering corps in the World War, being mustered out with rank of major. He was city manager of Lawton, Okla., Newport News, Va., and Dubuque, Iowa.

Paul Masters, former sales agent in Los Angeles for the Olympic Group of Sawmills in Washington State, has joined a Southern California bond house. E. A. Wright, who recently arrived in Los Angeles to handle sales for the Washington Veneer Co., has taken over the agency for the Olympic Group, which consist of seven mills, and will continue both agencies.

Harold H. Clark, vice-president and assistant secretary of the Pacific Division of the Link Belt Co., San Francisco, has retired to private life after 30 years of active service in the interests of this concern.

Award of the Grasselli medal to Dr. L. V. Redman, one of the scientists who directed development of such chemical wonders as converting a gas and a liquid into automobile gears outlasting steel, is announced in New York City. The medal was awarded by the American branch of the Society of Chemical Industry, a British organization.

Chas. Deako, county engineer of Clarke County, Washington, was elected president of the County Engineer's Association of Washington and Commissioner Ed. Riley of Yakima, was elected president of the County Commissioners Association of Washington, at the annual meeting of those bodies in Spokane, last week. The next convention will probably be held in Bellingham.

A meeting of the American Society of Municipal Engineers will be held October 19th to the 26th, at Pittsburgh, Pa.

Annual meeting of the International City Managers Association will be held October 7-10 at Louisville, Ky.

Pacific Portland Cement Company's Redwood City team was awarded first prize at the fourth annual regional safety meeting and first aid contest, held under the auspices of the Portland Cement Association in Los Angeles. The teams representing the various cement companies of the state competed under the rules of the U. S. Bureau of Mines.

Fresno is being considered as the convention city for the California Association of Master Plumbers to be held next May, according to John F. LaDioux of Los Angeles, state secretary of the association.

An annual payroll of \$337,000 for a list of 110 employees is maintained at the Merced plant of the Yosemite Portland Cement Company. It was stated by Walter Couse, office manager, in a talk before the Merced

Lions' Club. In the course of a year the firm's general purchases amount to \$234,000, its freight bill is \$410,000 and its tax bill is \$15,000, said Couse.

C. E. Cummings, director and treasurer of the California Art Tile Company of Richmond, Calif., has submitted his resignation to the board of directors. He will be succeeded by L. J. Hislop, formerly connected with the Richmond plant and more recently located in Seattle. H. C. Montgomery remains as president of the board of directors, but retires as manager and L. J. Hislop will be in charge of sales and the office. Other directors are Frank Proctor, Albert Kindt, Walter Dusenberg and D. H. Bochford. Cummings, who was one of the founders of the company, announced that he would take a much needed rest.

A method of identifying its various grades of code wire by means of colored rubber insulation has been adopted by the General Electric Company. Thus architects, contractors and building owners may have the assurance that installations are up to specifications without the need for complicated and expensive laboratory tests. By means of this marking, the grades of wire in an installation may be identified at any time for years after the wiring system is in use. This feature is added with no increase in price. The three grades will be marked with colored rubber insulation as follows: Code—black; intermediate—red; 30%—green. Another feature of importance is tighter and closer braids with an improved weatherproof finish.

Diamond Match Co. has purchased the D. A. Williamson Lumber Company at Ga't, Calif.

Minor road and trail work in the national forests of California for the fiscal year ending June 30, 1931, involved an expenditure of \$1,264,776. This does not include \$1,469,917 of Forest Service road and trail funds spent for the construction and maintenance of major or standard roads within or adjacent to the national forests that are part of the State and county highway systems. New construction totaled 348 miles of road, 356 miles of motorways or fire protection roads, 187 miles of trail and 195 miles of trailways or secondary trails. Maintenance of 6457 miles of road, 3066 miles of motorways, 14,679 miles of trail and 3257 miles of trailways are accomplished.

Frederick M. Babcock, Chicago real estate appraisal expert has been appointed research assistant in real estate at the School of Business at the University of Michigan.

A proposal for a five-day week in the Federal Government service generally without any change in the present compensation, will be embodied in a bill to be introduced in Congress in December by Senator Schall of Minnesota, the Senator announces. He said the idea is to set an example to private industry in the curtailment of overproduction in industrial output.

Brick work on the John Rogers high school at Spokane, Wash., is at a standstill because J. J. Lohrenz, contractor, has permitted the use of Ohio plaster as against a local manufacture of plaster in the interior finish of the structure. As the result of the halt in brick work, 35 bricklayers have been laid off.

Oakland city council has given first reading to an ordinance permitting fresh meats to be sold in many types of stores from small refrigerated

glass cases. The new ordinance reads as follows: "Section 12. All meat markets must be equipped with a fresh meat cooler of a size not less than six (6) by eight (8) by nine (9) feet high, or a sanitary refrigerated case which case shall maintain a temperature below 12 deg. F. Coolers, refrigerators, ice boxes and refrigerated cases must have a white gloss enamel finish and maintain a temperature below 45 deg. F. with sufficient circulation, and be connected indirectly with the sewer to comply with the plumbing laws of the City of

The United States Forest Service has issued an order prohibiting all color "screams" on buildings for various concessions in national forests, believing that general colors of the structures should conform to the woodland background.

Will D. Austin has assumed management of the Riverbank branch of the United Lumber Yards, Inc., succeeding G. N. Lindquist, who resigned after a number of years as head of the branch. Lindquist plans to reside in Oakland.

Cast-iron paving, in the form of triangular plates bedded in a bituminous composition on a concrete base, is being tried for 300 ft. on a busy street in London, England. As compared with other surfacing materials the inventor, Frank Small, is reported to claim that cast iron is cheaper than the cheapest granite block, can be used at once instead of waiting several days as with wood block, can be repaired or renewed quickly, has a minimum of noise and will not cause skidding.

Reports on employment and payroll totals were received from 4,139 identical firms engaged in building construction in July and August. These firms had in the 27 cities a total of 56,187 employees for the week ending nearest the 15th of July as compared with 55,306 for a similar period in August. This is a decrease of 1.6 per cent, says the U. S. Department of Labor.

These firms had a combined payroll of \$1,647,393 for the week ending nearest the 15th of July as compared with \$1,579,241 for a similar period ending nearest the 15th day of August. This is a decrease of 4.1 per cent.

A new building material consisting of artificial pumice has appeared on the German market, according to a report received in the U. S. commerce department from its Berlin office. Hitherto only natural pumice has been used for building material of this type. Numerous experiments have shown, according to the Germans, that this material has many advantages over the natural pumice sand, a fact of great importance in transportation. In addition, it is claimed that it is an excellent fireproof material and that it can also be used to advantage as a concrete admixture, needing only to be thoroughly moistened to obtain a satisfactory binding with cement. Sheets of concrete using the substance as a component are produced in thicknesses of 10 centimeters and can be easily cut out and shaped. It is also said to be a good base for linoleum. The main use intended for the new material is in the manufacture of hollow blocks. As it is reported to be cheaper and lighter than brick, the German building trade expects that its use will be of considerable economic advantage.

The fall meeting of the American Society of Civil Engineers will be held at St. Paul, Minn., October 7 to 9 inclusive.

Building News Section

APARTMENTS

Contract Awarded.

STORE. Cost, \$10,000.
SAN FRANCISCO. SE Presidio Ave.
and California St.

Two-story and basement frame and
stucco stores and apartments (4
stores, 2 and 3-room apts.); com-
position roof, circulating hot water
heating system, hardwood floors.

Owner—G. Kaplanis, 3195 California
St., San Francisco.

Plans by Owner.

Contractor—Clar Concrete Co., 3124
Geary St., San Francisco.

Construction Postponed Indefinitely.

APARTMENTS. Cost, \$250,000
OAKLAND, Alameda Co., Calif. 365
Perry Street.

Nine-story Class A reinforced concrete
apartment and stores (56 2- and
3-room apts.; 1 5-room apt.; vacu-
um steam heating).

Owner—L. J. Newton, 1130 First Ave.,
Oakland.

Plans by Thomas Keenan, 1440 Broad-
way, Oakland.

Contractor—H. L. Peterson, 731 Treat
Ave., San Francisco.

Plans Completed.

APARTMENTS. Cost, \$35,000
BURLINGAME, San Mateo Co., Calif.
Burlingame Heights.

One- and two-story frame and stucco
apartments (terra cotta tile roof,
hardwood floors, electric refrigeration,
etc.).

Owner—H. A. Norton, 227 San Mateo
Drive, San Mateo.

Plans by W. C. Gillam and Russell
Coleman, 1401 Broadway, Burlingame.

When bids will be asked is not de-
termined at this time.

BONDS

SANTA MONICA, Los Angeles Co.,
Cal.—The voters of the city of Santa
Monica defeated an \$810,000 school
bond issue on September 22. Proceeds
were to have been used for the erection
of high school and junior college
buildings.

2

SAN FRANCISCO—November 3 is
the date set by the Board of Super-
visors to vote bonds of \$3,500,000 to
finance erection of new schools and
additions and alterations to standing
structures. The tentative construction
program follows:

Matt I. Sullivan Elementary, Arkan-
sas St. bet. 19th and 20th, \$140,000.

Longfellow Elementary, Morse and
Lowell Sts., \$125,000.

Bernal Junior High, Highland Ave.
and Holly Park Circle, \$165,000.

Hassler Elementary, Florida St. bet
25th and 26th Sts., \$150,000.

Geo. Washington High, 30th Avenue
and Geary St., \$1,300,000.

Sunshine School, to replace existing
Sunshine School, \$120,000.

Horace Mann Junior High, 22nd and
Valencia Sts., \$150,000.

Marina Junior High, Fillmore and
Chestnut Sts., \$650,000.

South Junior High, near Balboa
High, \$900,000.

Abraham Lincoln Junior High, 23rd
and Rivera Sts., \$750,000.

Lawton Elementary, 30th Ave. and
Lawton St., \$150,000.

Guadalupe Elementary, Cordova and
Pine Sts., \$140,000.

Faragut Elementary, Holloway and
Faxon Ave., \$80,000.

Parkside Elementary, 25th Ave. and
Ulloa St., \$80,000.

Pacific Heights Junior High, \$900,-
000.

Burnett Elementary, Lane St. and
Newcomb Ave., \$80,000.

CHURCHES

Contract Awarded.

CHURCH. Cost, \$—
SANTA BARBARA, Santa Barbara
Co., Cal. East Valley Road.

Frame and stucco church (split shakes
roof; gas-steam heating).

Owner—El Montecito Presbyterian
Church.

Architect—Russell Ray, 27 W-Mission
St., Santa Barbara.

Contractor—Nels Oakes, 1321 Car-
penteria St., Santa Barbara.

To Be Done By Day's Work By Owner.

CHURCH. Cost, \$5000
OAKLAND, Alameda Co., Cal. West
Havenscourt Blvd. S Beck St.

One-story frame and stucco church.

Owner—Havenscourt Lutheran Church
premises.

Architect—Not Given.

Plans To Be Prepared.

CHURCH. Cost, \$—
RED BLUFF, Tehama Co., Cal.

Rebuild church (recently destroyed
by fire).

Owner—Methodist Church of Red
Bluff.

Architect—Not Selected.

Concrete block walls still standing
will be used in the rebuilding pro-
gram.

FACTORIES AND WARE- HOUSES

Class Contract Awarded.

LAUNDRY. Cost, \$40,000
SAN FRANCISCO, Heron St. East of
Eightth Street.

Three-story reinforced concrete Class
B laundry.

Owner—Amalgamated Laundry Co.,
385 Eighth St., San Francisco.

Architect—Hyman & Appleton, 68
Post St., San Francisco.

Contractor—Barrett & Hlip, 913 Har-
rison St., San Francisco.

SKILSAW Portable Electric Hand
Saws (4 models).

SKILSAW Portable Electric Sander

SKILSAW Radial Arm Attach-
ments.

SYNTRON Portable Electric Ham-
mers (4 models, motor-
less).

MALL Flexible Shaft Machines (50
models).

Electric Drills, Grinders, Buffers,
Routers, Lock Mortisers.

PETER H. NELSON

Labor Saving Portable Electric
Tools.

1240 Mission St. UNDERHILL
San Francisco 7662

SALES . SERVICE . RENTALS

Glass—Habenicht & Howlett, 529 Clay
St., San Francisco.

Other awards previously reported.

Plans Completed.

WAREHOUSE. Cost, \$50,000
OAKLAND, Alameda Co., Cal. Alice
St. between 4th and 5th Sts.

One-story rein. concrete warehouse
(concrete floors, tar and gravel
roof, steel trusses), 30,000 square
feet.

Owner—Merchants Express & Dray-
ing Co. (Mr. Scott in charge), 1640
18th St., Oakland.

Architect—Withheld.

Contractor—Selected; name withheld.

Contractor will be announced with-
in a few days.

Contract Awarded.

WAREHOUSE. Cost, \$50,000
OAKLAND, Alameda Co., Cal. Alice
St., between 4th and 5th Sts.

One-story reinforced concrete ware-
house (concrete floors, tar and
gravel roof, steel trusses), 30,000
square feet.

Owner—Merchants Express & Dray-
ing Co. (Mr. Scott in charge), 1640
18th St., Oakland.

Architect—Withheld.

Contractor—N. Weirk, 1560 Alice St.,
Oakland.

BRENTWOOD, Contra Costa Co.,
Cal.—Packing plant of H. P. Garin
Co., 405 Sansome St., San Francisco,
at Brentwood, was destroyed by fire
Sept. 27. The loss is estimated at \$50,-
000, including stocks stored.

Plans Being Figured—Bids Close Oct.
19, 11 A. M.

ROOFING. Cost, \$—
STOCKTON, San Joaquin Co., Cal.

County Fair Grounds.
Roofing for Cattle Barns.

Owner—County of San Joaquin, Eu-
gene Graham, County Clerk.

Architect—Not Given.

Plans on file in office of county clerk

Sub-Bids Wanted.

ALTERATIONS. Cost, \$14,000
SAN FRANCISCO. W York bet. 19th
and 20th Streets.

Alterations to manufacturing plant.

Owner—Union Trust Co., Market and
Grant Avenue.

Plans by G. C. Haun, 410 Regent St.,
Oakland.

Contractor—C. C. W. and H. H. Haun,
666 Mission Street.

Masonry—Wm. Rainey & Son, 323
Clementina St.

Sub-bids are wanted on sheet metal
steel sash, fire doors, glass and rein-
forcing steel.

Sub-Bids Wanted.

WAREHOUSE, ETC. Cost, \$18,000
SAN FRANCISCO. 68 Rincon Avenue.

Three-story class C reinforced con-
crete warehouse and offices.

Owner—Patterson—Pacific Parchment
Company.

Architect—F. H. Stoccombe, 3830 Har-
rison St., Berkeley.

Contractor—Henry C. Knight, 327 17th
St., Oakland.

Sub-bids are wanted on all portions
of the work.

Correction In Bid Opening Date—Bids
Close October 13, 11 A. M.

ROOFING. Cost, \$—
STOCKTON, San Joaquin Co., Cal.

County Fair Grounds.

Roof covering for livestock building and hog barn.

Owner—County of San Joaquin, Eugene Graham, County Clerk.

Architect—Not Given.

Plans on file in office of county clerk

Plans Being Completed.

FACTORY Cost, \$1,000,000
ALAMEDA, Alameda Co., Cal. Fer-
side and Versailles Aves.

Group of factory buildings (cover 10½ acres).

Owner—Owens-Illinois Glass Co. (W. I. Cole Mgr.), 133 Kearny Street, San Francisco.
Engineers—Mills, Rines, Bellman and Nordhoff, Inc., Toledo, Ohio.

The engineers will be here within ten days and it is expected to call for bids immediately.

FLATS

Contract Awarded.

FLATS Cost, \$10,500
SAN FRANCISCO. W Webster St. 125 N Bay St.

ored tile baths and kitchens).
Two-story and basement frame and stucco flats (2 flats; composition and tar and gravel roof, hot air gas furnace, hardwood floors, col-

Owner—S. Travaine, care builder.

Plans by Mr. Campbell.

Contractor—J. V. Campbell, 349 Laguna Honda Blvd.

GARAGES AND SERVICE STATIONS

Plans Being Figured.

SERVICE STATION Cost, \$8000
SAN FRANCISCO. Army and Valen-
cia Streets.

Service station (steel frame construction).

Owner—General Petroleum Co., 1924 Broadway, Oakland.

Plans by Eng. Dept. of Owner.

Plans Being Prepared.

GARAGE Cost, \$30,000
WEST OAKLAND, Alameda Co., Cal.
B and Gough Streets.

One-story Class C tile and brick garage.

Owner—Merchants Express & Draying Co. (Mr. Scott in charge), 1640 18th St., Oakland.

Architect—George Ellinger, 1723 Webster St., Oakland.

Segregated Bids Being Taken.

SERVICE STATION Cost, \$—
SAN FRANCISCO. Balboa Street.

One-story steel frame fireproof service station (corrugated iron, concrete foundations).

Owner—Withheld.

Engineer—S. S. Gorman, 465 California Street.

Segregated bids are being taken on glass, corrugated iron, plumbing, steel, concrete, plumbing, electric and painting work.

GOVERNMENT WORK AND SUPPLIES

Bids Wanted—To Be Opened October 12, 2 P. M.

REMODEL BLDG. Cost, \$—
SAN FRANCISCO. Appraisers Building.

Exterior and interior repairs to appraisers building (painting, etc.).

Owner—United States Government.

Architect—Wm. Arthur Newman, Post Office Bldg., San Francisco.

Plans obtainable from Mr. Newman.

ALAMEDA, Alameda Co., Cal.—Bids are being received by U. S. Bureau of Public Roads, foot of Dennison St., Oakland, for grading on Government

Island, Alameda, involving 56,000 cu. yds. Plans obtainable from above office.

SACRAMENTO, Cal.—Until Oct. 8, 3 P. M., under Order No. 3779-1866, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano county, one pneumatic sealing hammer complete with full set of tools. Further information obtainable from above.

SACRAMENTO, Cal.—Until Oct. 8, 3 P. M., under Order No. 3780-R.V., bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano county, 2 new shells on a 1½-cu. yd. clamshell bucket. Specifications and further information obtainable from above office.

Plans Being Figured—Bids Close Oct.

12, 2 P. M.
METAL SHELVING Cost, \$—
TUCSON, Arizona.

Furnish and install metal shelving, etc., in postoffice and courthouse.

Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Plans obtainable from the Custodian of the Postoffice at Tucson and available from the office of the Supervising Architect.

Bids Wanted—To Close Oct. 21, 11 A. M.

WATER SYSTEM, ETC. Cost, \$—
SUNNYVALE, Santa Clara Co., Cal.
One-story frame temporary garage and water supply system.

Owner—United States Government.

Architect—Not Given.

Plans and specifications obtainable from district public works officer, 12th Naval District, 100 Harrison St., San Francisco.

SAN FRANCISCO.—W. B. Baker & Co., 270 6th St., at \$1,798 submitted low bid to District Public Works Officer, Twelfth Naval District, 100 Harrison St., for the installation of an illuminated air way marker on Reservoir, Structure No. 162, Yerba Buena Island, San Francisco Bay.

Following is a complete list of bids:
W. B. Baker & Co. \$1,798
F. R. Ritchie 1,845
Wonderlite Neon Prod. Co. 2,166
Apex Electric Co. 2,345
Q. R. S. Neon, Ltd. 2,472
Brumfield Elec. Sign Co. 2,849
Sullivan & Sullivan, Oakland. 6,167

Bids referred to Washington for award.

SACRAMENTO, Cal.—Until October 8, 3 P. M., under Order No. 3771-1866, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano county.

12 Bunksprings, 32" wide x 6' long overall measurements; to be similar and equal to No. 0653 pg. 601, Dunham, Carrigan & Hayden Cat. No. 73.
36 Mattresses, 30" x 8' x 6" thick, filled with best quality prim Java Kapok.

2 lbs. Steel Wool, No. 00.

2 lbs. Steel Wool, No. 2.

24 Canteens, galvanized, blanket covered, 6-qt. cap., with canvas carrying straps.

125 lbs. Cotton Wicking, ½-lb. balls, 1/8" dia.

24 Hanks Sash Cord, cotton, No. 8,

100' in hank.

SAN FRANCISCO.—Following bids received Sept. 29, under Circular No. W-6616 32-13, by Constructing Quartermaster, Fort Mason, for three water tanks:

Proposal 1.—Three tanks: storage,

horizontal, hot water circulating, 3/16-in. shell, ¼-in. head, 20-in. diameter, 48-in. long, capacity 66 gals. with not less than 16 lin. ft. of 1-inch copper steam coils, ½-in. thick iron pipe size; tapings for thermometer, thermostat, pressure gauge, 1½-in. hot and cold water inlet and outlet and return pipes, with 5x7-in. hand-hole in head; shell to be rivet welded and built for 100 lbs. working pressure. Tanks to receive one heavy coat of red oxide paint on outside.

Alternate

Proposal 2.—Three tanks, same as specified in Proposal 1, except that inside and outside of tanks is to be galvanized.

Proposal 3.—Three tanks, storage, horizontal, hot water circulating, ¼-in. shell, ¼-in. head, 30-in. diameter, 84-in. long, capacity 250 gals. with 11x 15-in. manhole on end, and not less than 26 lin. ft. of 1½-in. copper steam coils not less than No. 16 gauge. Tapings for thermometer, thermostat pressure gauge, 1½-in. hot and cold water inlet and outlet, return pipes, etc. Shell to be rivet welded and built for 100 lbs. working pressure. Tanks to receive one heavy coat of red oxide paint on outside.

Alternate

Proposal 4.—Three tanks; same as specified in Proposal 3, except that inside and outside of tanks is to be galvanized.

Berkeley Steele Const. Co., Inc., 2nd and Camella Sts., Berkeley (1) \$36.51 (2) \$44 (3) \$80 (4) \$105.

Pacific Coast Boiler Works, 235 Main St., San Francisco (1) \$45 (2) \$57.50 (3) \$96 (4) \$140.

Crane Co., 301 Brannan St., San Francisco, (1) \$47.84 (2) \$54.29 (3) \$96.21 (4) \$113.41.

California Steel Products Co., 490 Bay St., San Francisco, (1) \$48.83 (2) \$57.05 (3) \$81 (4) \$109.20.

Ocean Shore Iron Works, 550 10th St., San Francisco (1) \$56 (2) \$67.33 (3) \$111.90 (4) \$125.21.

Boiler Pipe and Tank Co., 75th Ave. and E 10th St., Oakland (1) \$64 (2) \$— (3) \$79 (4) \$—.

Main Engineering Co., 110 Hooper St., San Francisco (1) \$80 (2) \$96 (3) \$109 (4) \$154.

Plans Being Figured—Bids Close Nov.

6, 3 P. M.
POSTOFFICE \$190,000 available
BERKELEY, Alameda Co., Cal. Mil-
via and Kittredge Streets.

Extension and remodeling of postoffice (except elevator).

Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Plans obtainable from Supervising Architect, Treasury Dept., Washington, D. C., on deposit of \$25, returnable.

SAN FRANCISCO.—G. H. Armstrong, 2890 Howard St., at \$849 awarded contract by Constructing Quartermaster, Fort Mason, for replacement of electric light poles fronting the N. C. O. Quarters at the Presidio.

Bids Opened.

SCREENS Cost, \$—
MARE ISLAND Navy Yard, Calif.
Furnish and install screens at Submarine Base (under Specification No. 6622).

Owner—U. S. Government.

Plans by Bureau of Yards and Docks Navy Dept., Washington, D. C.

Fred Turner, 212 Anito Road, Burlingame, \$1,649.

Pacific Mfg. Co., Santa Clara, \$1,989.60.

Sullivan & Sullivan, Oakland, \$2,144.
Hipolito Co., 4246 Holden St., Oakland, \$2,162.

Standard Screen Co., 1844 Hastings St., Chicago, \$4,079.

WASHINGTON, D. C.—(Special Correspondence to Daily Pacific Builder) —Following is a complete list of the bids received last Wednesday by the Bureau of Yards and Docks, Navy Department, under Specifications Nos. 6631 and 6632 for grading and foundation work and erection of dirigible hangar at the Sunnyvale Air Base in Santa Clara County. The structure will be 1138 feet long, 310 feet wide, 198 feet high.

Grading and Foundations

Raymond Concrete Pile Co., 140 Court St., New York City, \$131,181.
Lindgren & Swinerton, Inc., San Francisco, \$184,800.
Robert E. McKee, Los Angeles, \$188,000.

California Construction Co., \$194,900.
Siems-Helmers, Inc., St. Paul, Minn., \$196,790.

J. S. Hannah, San Francisco, \$202,775.
Barrett & Hilp, San Francisco, \$203,237.

R. E. Campbell, Los Angeles, \$208,000.
Monson Bros., San Francisco, \$209,800.

Druidville Construction Co., San Francisco, \$210,600.
I. M. Sommer, San Francisco, \$212,216.

Sullivan & Sullivan, Oakland, \$215,950.
Minton Co., Palo Alto, \$216,553.

Guy F. Atkinson Co., San Francisco, \$217,750.

W. F. Pollock Co., Sacramento, Cal., \$222,221.

Newport Contracting and Engineering Co., Lee Hall, Va., \$227,777.

McDonald & Kahn, San Francisco, \$233,000.

Duncanson-Harrelson Co., San Francisco, \$233,800.

Clinton Construction Co., San Francisco, \$236,000.

Mittry Bros. Construction Co., Los Angeles, \$236,000.

M. B. McGowan, Inc., San Francisco, \$237,000.

Hercules Construction Co., New York City, \$237,978.

Roscoe W. Littlefield, Oakland, Cal., \$253,000.

W. F. Thurston Co., Richmond, Va., \$243,133.

Schuler & MacDonald, Inc., Oakland, Cal., \$253,000, precast piles; \$245,000, cast in place piles.

Central California Roads Co., Oakland, Cal., \$256,256.

Meyer Rosenberg, San Francisco, \$258,750.

Forster Bros. Corp., San Francisco, \$264,240.

Victor Hoffman, San Francisco, \$276,999.

R. H. Travers, Andrews Pl., Los Angeles, \$300,000.

H. C. Vensano & Co., San Francisco, \$323,200.

Jacobson Bros. Co., Chicago, \$1,849,000 for all work under specs. 6631 and 6632.

Hangar (Complete)

Mt. Vernon Bridge Co., Mt. Vernon, Ohio, \$1,646,000.

Clinton Construction Co., San Francisco, \$1,718,000.

Druidville Construction Co., San Francisco, \$1,806,000.

Schuler & MacDonald, Inc., Oakland, \$1,991,000.

Ocean Construction Co., San Francisco, \$2,250,000.

Jacobson Bros. Co., 19 S. La Salle St., Chicago, Ill., bid \$1,849,000 for all work under Specifications Nos. 6631 and 6632.

Steel Work

Wallace Bridge & Structural Steel Co., Seattle, Wash., \$1,116,044.

Moore Drydock Co., Oakland, \$1,190,000.

Harris Structural Steel Co., New York City, \$1,244,190.

American Bridge Co., New York, \$1,324,000.

Judson-Pacific Co., San Francisco, \$1,349,000.

McNittie-Marshall Corp., Bethlehem, Pa., \$1,397,000.

Schuler & MacDonald, Inc., Oakland, \$1,456,000.

Roofing, Siding, Etc.

Siems-Helmers, Inc., St. Paul, Minn., \$298,337.

H. H. Robertson & Co., Pittsburgh, Pa., \$408,000.

Barrett & Hilp, San Francisco, \$414,000.

Lindgren-Swinerton, Inc., San Francisco, \$417,800.

R. E. Campbell, Los Angeles, \$424,000.

Velows-Maclay Construction Co., Dallas, Texas, \$430,000.

Robert E. McKee, Los Angeles, \$431,500.

Druidville Construction Co., San Francisco, \$432,000.

Clinton Construction Co., San Francisco, \$439,000.

Pozzo Construction Co., Los Angeles, \$440,975.

Newport Contracting and Engineering Co., Lee Hall, Va., \$447,777.

McDonald & Kahn, San Francisco, \$474,687.

Schuler & MacDonald, Oakland, \$526,000.

Shoulder Nipples

48 ½"x1 ½"-in.;

48 ½"x2-in.;

48 ½"x3 ½"-in.;

48 ½"x3-in.;

48 ½"x4-in.;

48 ½"x4 ½"-in.

50 lbs. ¾-in. seamless brass pipe, iron pipe size, in commercial lengths of approx. 10-ft.

48 Penberthy water heaters, ¾-in. pipe; Style "G." Heating capacity 60-gals. from 70° to 210-degrees in 30-min. with 70-lb. steam pressure.

400 malleable iron pipe fittings, threaded (150-lb.) galv., as follows: 200 ¾"x1 ½-in. bushings, 100 1x½-in. bushings and 100 1-in. plugs.

48 extra heavy cabin door hooks, cast brass or bronze, similar and equal to Sargent's No. P-78.

30 gross brass nuts; machine, hexagon, stand, 10 gro. No. 12 and 10 gro. No. 1 24 threads; 10 gro. ¾-in., 20 threads.

Bids are also desired for a quantity of mixed paints and varnish.

Specifications obtainable from the Quartermaster Supply Officer at Fort Mason.

Preparing Working Drawings.

IMMIGRATION STATION Cost, \$105,000
SAN YSIDRO, San Diego Co., Cal.
Brick and stucco immigration station (tile roof, terra cotta ornamentation).

Owner—United States Government.
Plans by Supervising Architect, Washington, D. C.

Bids Opened
POSTOFFICE Cost, \$—
COLFAX, Wash.
Class A postoffice.

Owner—U. S. Government.
Architect—Plans by Supervising Architect, Treasury Department, Washington, D. C.

Low Bidder—Heeden Construction Co., Seattle, \$69,900 for sandstone; \$70,480 for terra cotta.

Bids Rejected—Plans Being Revised.
SUSTINENCE BLDG. Cost, \$—
WALLA WALLA, Wash.

One-story and basement fireproof subsistence building, 196x71 ft., and one-story addition to garage for attendants' quarters, 88x42 ft. (concrete walls with terra cotta trimmings).

Owner—United States Government.
Plans by Construction Department, U. S. Veterans' Bureau, Arlington Bldg., Washington, D. C.

Bids for this project were opened July 25, the low bid being submitted by J. T. Hall of Spokane, Wash., at \$124,638 and second low bid by Western Constr. Co., at \$152,200 and third low by A. F. Mowat at \$126,200. The bids were in excess of the amount available for construction and the plans will be revised.

SACRAMENTO, Cal.—Until October 6, 3 P. M., under No. 3763-1866, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County, 1000 ft. wire rope; regular lay, modified Seales construction, ¾-inch diameter, high grade plow steel, hemp center, 6-strands of 19-threads to strand. To be in 1 piece on an individual reel. Specifications and further information obtainable from above.

SACRAMENTO, Cal.—Until October 5, 3 P. M., bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County, 250 ft. copper cable, lead sheathed, 3 wire No. 8 stranded, 600 watt, suitable for underground service.

6 Mogul Socket Reducers, 660 watt, 250 volt, No. 98, pg. 293, Graybar Cat. No. 110, or equal.

60 weather-proof sockets, with 6" wires, No. 13310, pg. 292, Graybar, Cat. No. 100, or equal.

200 renewal links for Economy Fuses, 15 amp., 250 volt.

12 Marine plugs for portable lights, Meco, No. 2275, pg. 319, Pacific States Cat. No. 22, or equal.

WASHINGTON, D. C.—Bids are being received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish materials and equipment to Pacific Coast navy yards and stations. Further information on the Schedules listed is obtainable from the Navy Purchasing Office, 100 Harrison St. San Francisco.

Bids Open Oct. 13

San Pedro, 32 periscope type smoke indicators and spares; sch. 6573.

Maré Island, 1 motor-driven universal table shaper; sch. 6595.

Maré Island, 1 motor-driven back geared shaper; sch. 6596.

Maré Island, 20,000 lbs. zinc dust; sch. 6603.

Maré Island, 37 hand brake assemblies and 48 hand wheels; sch. 6607.

Maré Island, brass and steel machine screws; sch. 6601.

Plans Being Figured—Bids Close Nov. 24th.

HANGARS, ETC. Cost, \$—
ALBROOK FIELD, Canal Zone.

Three A. C. hangars (double); one A. C. Warehouse and 1 A. C. Machine Shop.

Owner—United States Government.
Plans by Department Quartermaster, Quarry Heights, C. Z.

Plans obtainable from the Department Quartermaster, Quarry Heights, C. Z., on deposit of \$50, returnable.

SAN FRANCISCO—Until Oct. 15th 11 A. M., bids will be received by Constructing Quartermaster, Fort Mason to construct 1000 barrel steel oil tank with an all steel roof at Fort McDowell. Plans prepared by Constructing Quartermaster, Fort Mason.

SAN FRANCISCO—T. G. Arrow-smith, 661 Howard Street, at \$168 awarded contract by constructing Quartermaster, Fort Mason, for furnishing and installing gas piping, conversion gas burner, range and hot water heater in the Lodge building at the National Cemetery.

HALLS AND SOCIETY BUILDINGS

Preparing Preliminary Plans.
CLUB BLDG. Cost, \$600,000
SAN FRANCISCO, NE Taylor and Post Streets.
Class A club building (probably six stories in height).
Owner—Bohemian Club.
Architect—Lewis P. Hobart, Crocker Building.
More details will be given later.

To Be Done By Day's Work.
CLUB Cost, \$7,000
SAN LEANDRO, Alameda Co., Cal. No. 1349 Hayes Street.
One-story frame and plaster Spanish club house (40x120 ft.)
Owner—Club Iberico, 1349 Hayes St., San Leandro.
Architect—Not Given.

Contract Awarded.
ADDITION Cont. Price, \$29,072
BERKELEY, Alameda Co., Cal. No. 2001 Allston Way.
Two-story and basement frame and brick addition for gymnasium.
Owner—Y. M. C. A., 2001 Allston Way, Berkeley.
Architect—W. H. Ratcliffe, Chamber of Commerce Bldg., Berkeley.
Contractor—John M. Bartlett, 1706 Parker St., Berkeley.

Following is complete list of bids:
John M. Bartlett, Berkeley.....\$29,072
R. C. McBride, Oakland.....29,890
E. O. Applebee, Oakland.....30,245
E. T. Leiter & Son, Oakland.....30,283
Connor & Connor, Berkeley.....31,421
A. Cederberg, Oakland.....31,562
Walter Sorensen, Berkeley.....32,655
H. K. Schultz, Berkeley.....33,164
Emil Person, Berkeley.....33,273
Chas. McCullough, Berkeley.....34,088
R. O. McDonald, Oakland.....34,348
Chas. Vezezy & Son, Oakland.....34,810

Commissioned To Prepare Plans.
MEMORIAL HALL Cost, \$50,000
SANTA CRUZ, Santa Cruz Co., Cal.
Veterans' Memorial Building.
Owner—County of Santa Cruz, H. E. Miller, county clerk.
Architect—Davis-Pearce Co., Builders' Bldg., Stockton.

Contract Awarded.
CLUB Cost, \$7000
SAN LEANDRO, Alameda Co., Calif. 1349 Hayes Street.
One-story frame and plaster Spanish club house (40x120-ft.)
Owner—Club Iberico, 1349 Hayes St., San Leandro.
Plans by Mr. Oira.
Contractor—Francisco Oira, 1504 166th Ave., San Leandro.

Sub-Contracts Awarded.
ADDITION Cont. price, \$29,072
BERKELEY, Alameda Co., Cal. 2001 Allston Way.

Two-story and basement frame and brick addition for gymnasium.
Owner—Y. M. C. A., 2001 Allston Way, Berkeley.

Architect—W. H. Ratcliffe, Chamber of Commerce Bldg., Berkeley.
Contractor—David Nordstrom, 354 Hobart St., Oakland.

Excavation—J. Catucco, 1212 18th Ave. Oakland.

Plumbing—Carl T. Doell, 467 21st St., Oakland.

Electric Work—George Woolf, 795 Alcatraz Ave., Oakland.

Other awards will be made shortly.

HOSPITALS

SAN JOSE, Santa Clara Co., Cal.—Dohrmann Hotel Supply Co., 972 Mission Street, San Francisco, at \$16,355.39 awarded contract by county supervisors to furnish and install kitchen equipment in service building at the county hospital. Accepted bid follows: Accepted alternate bids, Nos. 2 and 3, deduction, \$1,072.45, \$29,518.88; eliminate two bread racks, R23, \$13,425.97, total \$16,092.91; small electric range, bake shop add, \$814.03; total, \$16,906.94; crescent dishwasher, credit, \$551.55; total amount of contract, \$16,355.39.

Contract Awarded.
HOME FOR AGED Cost, \$250,000
WESTGATE HEIGHTS, Los Angeles Co., Cal.

Two-story and basement reinforced concrete home for aged (steel beam joists and rafters, steam heating, flood lights, two elevators, etc.)

Owner—Eastern Star Home of California.
Architects—William Mooser Co., Nevada Bank Bldg., San Francisco, and Train & Cressey, Western Mutual Life Bldg., Los Angeles.
Contractor—K. R. Bradley Constr. Co., 1833 W. Pico St., Los Angeles.

Contract Awarded.
WARD BLDG., ETC. Cost, \$150,000
ELDRIDGE, Sonoma Co., Cal.

One-story ward building and one-story addition to school (ward building will have reinforced concrete foundations, floors, walls and partitions, roof of wood frame covered with clay tile. School addition to have reinforced concrete foundation and exterior walls, wood floors, wood frame roof covered with clay tile).

Owner—State of California.
Architect—Powers & Ahnden, 605 Market St., San Francisco.

General Work
William Spivock, Hobart Bldg., San Francisco, \$74,333.

Plumbing
J. A. Fazio, 402 Castro St., Oakland, \$6,166.

Electrical
Decker Electrical Const. Co., 538 Bryant St., San Francisco, \$2,704.

Heating
F. W. Snook Co., 596 Clay St., San Francisco, \$8,640.

SAN JOSE, Santa Clara Co., Calif.—Robert E. McKee, 108 West Sixth St., Los Angeles, at approximately \$125,000 awarded contract by Southern Pacific Railroad to construct the Alameda Subway: concrete and steel construction; 62-ft. wide from curb to curb and 566 ft. in length.

To Ask Bids In About One Week.
HOSPITAL Cost, \$65,000
SAN FRANCISCO, Ocean Avenue and Germany Blvd.

Two-story Class A reinforced concrete emergency hospital.

Owner—City and County of San Francisco.

Architect—Bureau of Architecture, Chas. Sawyer, Chief, City Hall.

Sub-Contracts Awarded.
WARD BLDGS. Cont. price, \$17,354
MURPHY, Calaveras Co., Cal. Bret

Murphy Sanitarium
Two one-story frame and stucco ward buildings (each to accommodate 20; asbestos shingle roof, electric heating system).

Owner—Bret Harte Sanitarium, Murphy.

Architect—Jos. Losekann, 1218 West Harding St., Stockton.

Contractor—George Rock, 1724 W. Cornell St., Stockton.

Lumber—Stockton Lumber Co., 347 S. Commerce St., Stockton.
Mill Work—Electric Planing Mill, Hazelton and Monroe, Stockton.

Excavation has been completed. Sub-bids are being taken on other portions of the work.

Contract Awarded.
ORPHANAGE Cont. price, \$196,666
SACRAMENTO, Sacramento Co., Ca. Franklin Blvd.

Two-story and basement reinforced concrete orphanage (parochial school, dormitory, etc.)

Owner—St. Patrick's Orphanage, Grass Valley.

Architect—Harry J. Devine, California State Life Bldg., Sacramento.

Contractor—Azevedo & Sarmento, 920 O St., Sacramento.

Site Accepted.
INDIGENT HOME \$72,000 Available
SACRAMENTO, Sacramento Co., Cal.

On Franklin Blvd. seven miles from Sacramento.

Fireproof indigent home.

Owner—County of Sacramento, Harry Hill, County Clerk.

Architect—Not Selected.

The county supervisors by a vote of 3 to 2 accepted the donation of a 40-acre site from H. C. Muddox on which to erect the indigent home.

Plans Being Figured—Bids Close Oct. 28, 2.30 P. M.

HEALTH CENTER Cost, \$—
SAN FRANCISCO, Grove and Polk Streets.

Plumbing, mechanical equipment, electric work and elevator installation in Health Center Building.

Owner—City and County of San Francisco. S. J. Hester, secretary of the Board of Public Works.

Separate bids are wanted as follows:
Plumbing, estimated cost, \$55,000; bond of \$13,750 required of the successful bidder.

Mechanical Equipment, estimated cost \$45,000; bond of \$11,250 required of the successful bidder.

Electric Work, estimated cost \$50,000; bond of \$12,500 required of the successful bidder.

Elevator Installation, estimated cost \$20,000; bond of \$5,000 required of the successful bidder.

Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Architecture, 2nd floor, City Hall.

HOTELS

Bids Opened.
ROOMING HOUSE Cost, \$—
STOCKTON, San Joaquin Co., Cal.

Three-story reinforced concrete rooming house and store (22 rooms, 4 baths, 1 store; Pabco-10 year roof, pine floors, magnesite floors in baths).

Owner—Chinese Client.

Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.

Low Bidder—George J. Maurer Co., 50 York Drive, Oakland.

Following is a complete list of bids received:

George J. Maurer Co., Oakland.....\$21,133
O. H. Chain, Stockton.....21,790
F. R. Siegrist Co., E. F.....22,277
J. Kee, Stockton.....23,450
W. J. Stevens, San Francisco.....23,925

Bids held under advisement.

Construction Postponed Indefinitely.
HOTEL Cost, \$125,000
SAN FRANCISCO, S Market St., W

Twelfth St.

Six-story and basement reinforced concrete hotel.

Owner—J. T. Schlenger, 510 Battery St., San Francisco.

Plans by L. H. Thomas, 901 Excelsior Ave., Oakland.

Preparing Plans.
HOTEL ADDITION Cost, \$400,000
LOS ANGELES, Calif. Glendale Blvd. Twelve-story and basement class A hotel.
Owner—Almee Semple McPherson-Hutton, Los Angeles.
Architect—Wm. H. Wheeler, California Bank Bldg., San Diego.

MADERA. Madera Co., Calif.—Alta Hotel and a number of smaller structures in the vicinity destroyed by fire Sept. 27. The loss is estimated at \$150,000.

Bids In—Under Advisement.
HOTEL ADDITION Cost, \$20,000
SAN FRANCISCO, 933 Grant Ave. One-story class C concrete addition to hotel.
Owner—Chong Hing Co.
Architect—F. W. Dakin, 625 Market Street.
Announcement will be made in about one week.

Preliminary Plans Being Prepared.
HOTEL ADDITION Cost, \$—
MERCED, Merced Co., Cal. 601 M St. Five-story and basement reinforced concrete class C addition to hotel wood studs, concrete exterior walls, columns and beams.
Owner—Stanley Simonson (El Capitan Hotel), 601 M St. Merced.
Architect—Kent & Hass, 525 Market St., San Francisco.

Preparing Plans
HOTEL ADDITION Cost, \$—
ENSENADA, Mexico.
One hundred-room wing addition to hotel, cottages, stables, tennis courts, bathhouse and 18-hole golf course.
Owner—Ensenada Hotel & Casino Co., Ensenada, Mexico.
Architect—Gordon E. Mayer, 244 W. Ivy St., San Diego.

POWER PLANTS

GLENDALE, Los Angeles Co., Cal.
—Until 10 A. M., Oct. 5, bids will be received by city council to furnish:
(1) 400 fog suspension insulators, clevis type, mechanical strength 19,000 lbs., minimum leakage distance 20 inches.
(2) 800 two-part, pine type, insulators, minimum dry arc over voltage 125,000, minimum wet arc over voltage 90,000. Alternates, in accordance with the specifications, may be submitted on the above.

Plumbing and Glazing Contracts
Awarded.
SUB-STATION Cost, \$80,000
SAN FRANCISCO, E Broderick Street between Ellis and O'Farrell.
Class A steel and concrete sub-station Owner—Pacific Gas & Electric Co., 245 Market Street.
Plans by Eng. Dept. of Owner.
Plumbing—Fred. Snook, 596 Clay St.
Glazing—W. P. Fuller & Co., 301 Mission Street.

Preparing Working Drawings.
SUB-STATION Cost, \$8000
Total cost, includ. equip., \$100,000
VALLEJO, Solano Co., Cal. Foot of Kentucky Street.
One-story reinforced concrete sub-station, 55x33 ft.; concrete roof, covered with tar and gravel.
Owner—Vallejo Electric Light & Power Co., Vallejo.
Plans by W. A. Jones, 403 Alameda St., Vallejo.
Bids will be taken within one week.

TURLOCK, Stanislaus Co., Cal.—A. J. Wiley, engineer of Boise, Idaho.

has been recommended by Roy V. Melick, chief engineer of the Turlock Irrigation District, as consulting engineer in connection with the construction of the Groveland Dam and power plant project planned by the district. Preliminary surveys on the project have already been started under a preliminary permit granted by the Federal Power Commission several months ago.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Preliminary Plans Approved.
LIBRARY Cost, \$175,000
FRESNO, Fresno Co., Cal. State Teachers' College.
Brick library.
Owner—State of California.
Architect—Swartz & Ryland, Spazler Bldg., Monterey, and Brix Bldg., Fresno.
More details will be given at a later date.

Prospective Bidders.
COURT HOUSE Cost, \$180,000
SAN JOSE, Santa Clara Co., Cal.
Rebuilding county courthouse destroyed by fire (using present brick walls and foundations) and construct an additional story of steel frame and concrete construction (tile roof, steam heating system).
Owner—County of Santa Clara, Henry A. Pfister, county clerk.
Architect—Binder and Curtis, 35 West San Carlos St., San Jose.
Structural Engineer—Wm. D. Lotz, 100 Benton St., San Jose.
Following is partial list of the contractors who have secured plans:
W. J. Ochs, American Trust Company Bldg., San Jose.
Thermotite Const. Co., 580 Stockton Ave., San Jose.
Dinwiddie Const. Co., Crocker Bldg., San Jose.
Megna & Newell, Bank of Italy Bldg., San Jose.
F. T. Edmans, San Jose.
J. Byron, San Jose.
The Minton Co., Palo Alto.
Charles Thomas, San Jose.
J. D. Carlson, 1331 Sierra St., San Jose.
R. O. Summers, 17 N First St., San Jose.

Specifications Being Written.
HALL OF RECORDS Cost, \$300,000
MARTINEZ, Contra Costa Co., Cal.
Three-story Class A steel frame and concrete Hall of Records (hollow tile and metal lath partitions, steel sash, heating plant).
Owner—County of Contra Costa.
Architect—E. Geoffrey Bangs, 411 30th St., Oakland.
Structural Engineer—Fred H. Tibbitts, Alaska Commercial Bldg., San Francisco.
Mechanical Engineer—G. M. Simonson, Call Bldg., San Francisco.
Bids will be called for shortly.

Plans Being Prepared.
ADDITION Cost, \$—
MERCED, Merced Co., Cal.
Additional room for county courthouse (to house Superior Court Department No. 2).
Owner—County of Merced, P. J. Thornton, County Clerk.
Plans by W. E. Bedesen, Engineer, Shaffer Bldg., Merced.

LIVERMORE, Alameda Co., Cal.—R. A. Hansen, Livermore, awarded contract by city trustees to install heating equipment in Livermore Library. Contract for furnace installation awarded to J. E. Jensen, Livermore.

Contract Awarded
EXPOSITION BLDG.

OAKLAND, Alameda Co., Cal. Tenth and Fallon Streets.
One-story steel frame and reinforced concrete exposition building (369x 150 feet).
Owner—City of Oakland, W. W. Chapell, City Clerk.
Architects and Engineers—Reed & Corlett and E. W. Cannon, architect, associated.
Structure will be set on pile foundation and will have a light truss roof.
Contractor—R. W. Littlefield, 337 17th St., Oakland.
(Contract awarded on proposition No. 2.)

(1) Price for complete building, supported on composite piles, and exclusive of automatic sprinklers.

(2) Price as above, except supported by wood piles, capped at lower level.

(3) Price on 1 or 2, with automatic sprinkler system included.

Chas. D. Vezey & Son,
Oakland (1) \$113,760
..... (2) 118,000
..... (3) 9,000

R. W. Littlefield,
Oakland (1) 115,000
..... (2) 122,000
..... (3) 9,000

K. E. Parker Co.,
San Francisco (1) 115,750
..... (2) 113,080
..... (3) 8,750

George Swannstrom,
Oakland (1) 115,980
..... (2) 116,790
..... (3) 8,500

Villadsen Bros.,
San Francisco (1) \$117,092
..... (2) 119,000
..... (3)

George Petersen,
Oakland (1) 117,570
..... (2) 120,570
..... (3) 8,770

Jacobs & Pattiani,
Oakland (1) 117,840
..... (2) 127,000
..... (3) 9,000

Thomas Furlong,
Oakland (1) 117,858
..... (2) 127,658
..... (3) 9,000

F. C. Stoltz,
Oakland (1) 118,750
..... (2) 123,900
..... (3) 8,600

Schuler & MacDonald,
Oakland (1) 119,877
..... (2) 119,977
..... (3) 8,500

N. H. Sjoberg & Son,
San Francisco (1) 120,886
..... (2) 120,274
..... (3) 8,935

E. T. Lesure, Berkeley..... (1) 122,780
..... (2) 122,780
..... (3) 8,500

S. G. Johnson, Oakland..... (1) 125,428
..... (2) 132,666
..... (3) 8,500

George Maurer, Oakland..... (1) 127,889
..... (2) 129,389
..... (3) 8,800

Sullivan & Sullivan,
Oakland (1) 128,516
..... (2) 125,516
..... (3) 8,800

Frederickson & Watson,
Oakland (1) 132,000
..... (2)

David Nordstrom,
Oakland (1) 133,351
..... (2) 136,851
..... (3) 9,100

Bids Opened.
WAR MEMORIAL Cost, \$5,000,000
SAN FRANCISCO. Civic Center.
Elevators for four-story and basement concrete Class A Veterans' Bldg. and 6-story Class A Opera House, seating 4000; standing room, 500.

Owner—City and County of San Francisco (S. F. War Memorial).

Architects—G. A. Linschurf & H. 140 Montgomery St. and Arthur Brown Jr., 251 Kearny Street.

Mfrs. of Const.—Lindgren & Swinton, Inc., 225 Bush Street.

(1) Spencer Elevator Co., 166 7th St.

(2) Pacific Elevator & Equip. Co.

(3) Otis Elevator Co.

(4) Atlas Elevator Co.

(a) Opera House, passenger elevator.

(b) Veterans' Memorial (passenger & freight elevator).

(c) Veterans' Memorial (plunger electric elevator).

(d) Veterans Memorial (movable floor).

(e) Opera House (passenger gearless elevator).

(f) Veterans' Memorial (passenger gearless elevator).

(a-l) deduct from A if awarded complete job.

(b-l) deduct from B if awarded complete job.

(c-l) deduct from C if awarded complete job.

(d-l) deduct from D if awarded complete job.

(e-l) deduct from E if awarded complete job.

(f-l) deduct from F if awarded complete job.

(1) (2) (3) (4)

(a) \$46,732 \$49,083 \$52,940 \$.....

(b) 30,979 35,035 32,965

(c) 6,508 6,618 5,660 5,780

(d) 4,900

(e) 50,733 51,641 55,070

(f) 36,508 38,547 38,315

(a-l) 771 490 1,060

(b-l) 579 350 660

(c-l) 123 66 110

(d-l) 500 47

(e-l) 849 516 1,100

(f-l) 699 385 765

Bids held under advisement.

RESIDENCES

Sub-Bids Wanted.

RESIDENCES Cost, \$4500 each

SAN FRANCISCO. N Twenty-fifth

Ave. N Noriega Street.

Four one-story and basement frame

and stucco residences (composition

roof, tile baths and kitchens)

gas furnace, hardwood floors and

trim.

Owner and Builder—Henry Doelger,

300 Judah St., San Francisco.

Plans by B. K. Dobkowitz, 425 Mon-

terey Blvd., San Francisco.

Contract Awarded.

RESIDENCE Cost, \$12,000

SAN FRANCISCO. S Marina Blvd. E

Fillmore Street.

Two-story and basement frame and

stucco residence (7 rooms, 2 baths)

(terra cotta tile and tar and gravel

roof, warm air heating system,

electric refrigeration, hardwood

floors, colored tile baths and

kitchen).

Owner—P. J. Calvi, 21 Columbus Ave.,

San Francisco.

Architect—J. A. Porporato, 619 Wash-

ington St., San Francisco.

Contractor—Frachia & Truffell, 2450

Chestnut St., San Francisco.

Sub-Contracts Awarded.

RESIDENCE Cost, \$—

DAVIS, Yolo Co., Cal.

One-story and basement frame and

stucco residence.

Owner—Mrs. Gough.

Architect—W. E. Coffman, Forum

Bldg., Sacramento.

Contractor—James Duthy, Davis.

Heating—Frank Z. Ahl, 1615 21st St.,

Sacramento.

Plumbing—Sidney White, 224 Eye St.,

Davis.

Electric Wiring—J. D. Miller, 720 2nd

St., Davis.

Mill Work—Davis Lumber Co., Davis.

Sheet Metal—F. Z. Ahl, 1615 21st St.,

Sacramento.

Painting—C. B. Williams, 327 E St.,

Davis.

Plastering—V. Reed, University Hotel,

Davis.

Tile—H. O. Adams, 2610 Eye St., Davis

Glass and Glazing—W. P. Fuller Co.,

1913 12th St., Sacramento.

Sub-Bids Wanted.

RESIDENCES Cost, \$3500 to \$5000

WATSONVILLE, Santa Cruz Co., Cal.

Twenty one-story frame and plaster

residences.

Owner—Mutual Home Building Co. (A.

C. Crosby, General Manager), 17

West Lake Ave., Watsonville.

Plans by Owner's Architectural Dept.

Sub-bids are wanted on all portions

of the work, 25 to 30 additional resi-

dences will be started within two

weeks.

Sub-Contracts Awarded.

RESIDENCE Cost, \$7524

AKLAND, Alameda Co., Cal. Lake-

shore Manor Tract.

Two-story frame and stucco residence.

Owner—Harry and Karen Stevens.

Architect—Not Given.

Contractor—Irwin H. Reimers, 745

Walla Vista, Oakland.

Brick Work—W. H. Wisneropp, 434

Michigan, Berkeley.

Lumber—Sunset Lumber Co. 400 High

St., Oakland.

Trusses—Summerbell Truss Co., 354

Hobart St., Oakland.

Low Bidder.

RESIDENCE Cost, \$15,000

SAN MATEO, San Mateo Co., Cal.

Baywood Park.

Two-story and basement frame and

stucco residence (10 rooms and 3

baths; gas heating, electric refrig-

eration, tile roof, tile baths and

kitchen).

Owner—Dr. Paul J. Hanzlik, 819 Pros-

pect Ave., San Mateo.

Plans by Grimes & Schoening, Bal-

ovich Bldg., San Mateo.

Low Bidder—Thomas Cavanaugh, 235

Third Ave., San Mateo.

Contract Awarded.

RESIDENCE Cost, \$17,000

SAN FRANCISCO. W Buchanan St.

bet. Vallejo and Broadway.

Three-story frame and stucco resi-

dence (10 rooms, 4 baths; tile roof,

gas and steam heat, colored tile

baths and kitchen, canvas walls

and ceilings, wood sash).

Owner—St. George Holden, 2901 Russ

Building.

Architect—Chas. Strothoff, 2274 15th

Street.

Contractor—William Terry, 90 Allston

Way.

Construction Under Way.

RESIDENCE Cost, \$4,000

WOODSIDE, San Mateo Co., Cal.

Two-story frame, stone veneer and

stucco residence (10 rooms, 3

baths; Early American Farmhouse

style).

Owner—M. A. Harris, Robleda Drive,

Atherton.

Architect—Gordon Kauffman, Union

Bank Bldg., Los Angeles.

Contractor—W. H. Weeden, 1453 State

Highway, Menlo Park.

Plans Being Figured.

RESIDENCE Cost, \$7000

WILLOW GLEN, Santa Clara Co.,

Calif.

Two-story and basement frame and

rustic residence (7 rooms and 2

baths); (Colonial type, shingle

roof, warm air, natural gas heat-

ing system, hardwood floors,

colored tile baths and kitchen).

Owner—Oliver Johnson, 230 W. San

Carlos St., San Jose.

Architect — Chas. McKenzie, Twohy

Bldg., San Jose.

About ten days will be allowed for

figuring plans.

Contract Awarded.

RESIDENCE Cont. Price, \$10,076

SAN JOSE, Santa Clara Co., Cal.

One-story and basement frame and

stucco residence (8 rooms, 3 baths,

hot air heating system, colored

tile baths).

Owner—P. Muetz, 82 Clayton St., San

Jose.

Architect — W. E. Higgins, Realty

Bldg., San Jose.

Contractor—C. E. Keesling, 798 Coe

St., San Jose.

Following is complete list of bids:

C. F. Keesling, San Jose..... \$ 9,950

(add \$125, steel windows).....

Paul Anderson, San Jose..... 10,049

M. W. Reese, San Jose..... 10,474

J. W. Santano, San Jose..... 10,711

Frank Neves, Santa Clara..... 10,915

A. R. Cavalli, San Jose..... 10,967

Arthur Claire..... 11,640

E. J. Smith, San Jose..... 12,500

Painting

C. W. Lynds, 1856 Park Ave.

San Jose..... \$490

Geo. H. Smith, San Jose..... 720

Francis Kuntz, San Jose..... 940

Painting bids held under advisement.

Heating bids will be called for

shortly.

Sub-Bids Being Taken.

RESIDENCE Cost, \$10,000

PALO ALTO, Santa Clara Co., Cal.

Two-story and basement frame and

stucco residence (6 rooms, 2 baths)

tile roof, hot air heating system,

electric refrigeration, etc.

Owner—E. R. Hinrichs, 27 Woodland

Ave., Palo Alto.

Architect—Treichel & Goodpastor, 1540

San Pablo Ave., Oakland.

Contractor—Cleveland Smith, Presi-

den Hotel, 935 Geary St., San

Francisco.

Plans Being Prepared.

RESIDENCES Cost, \$8500 each

SAN FRANCISCO. 19th Avenue and

Sloat Blvd., Merced Manor.

Twenty 1-story frame and stucco resi-

dences (6 rooms; tile roof, gas

heat, hardwood floors, colored tile

baths and kitchens).

Owner and Builder—Wm. Nelson, 935

Ulloa St.

Plans by Owner.

Sub-bids will be taken in 30 days.

To Ask Bids Within A Few Days.

RESIDENCE Cost, \$8000

AKLAND, Alameda Co., Cal. Sun-

nyhills Road.

Two-story and basement frame and

stucco residence (6 rooms, 2 baths;

shingle roof, gas heat, tile baths

and kitchen, hardwood floors).

Owner—E. Wells Jr.

Architect—Ray Keefe and E. L. Her-

berger, 770 Westley Ave., Oakland

Preparing Sketches.

RESIDENCE Cost, \$25,000

PIEDMONT, Alameda Co., Cal. Loca-

tion withheld.

Two-story and basement frame and

stucco residence (10 rooms, and 3

baths, tile roof, hardwood floors

and trim, electric refrigeration,

colored tile baths and kitchen).

Owner—Withheld.

Architect—Claude Barton, 522 Grand

Ave., Oakland.

Plans Being Figured—Bids Close Oct.

8th.

RESIDENCE Cost, \$8000

AKLAND, Alameda Co., Cal. Sun-

nyhills Road.

Two-story and basement frame and

stucco residence (6 rooms, 2 baths;

shingle roof, gas heat, tile baths

and kitchen, hardwood floors).

Owner—E. Wells, Jr.
Architect—Ray Keefer and E. L. Herberger, 770 Westley Ave., Oakland.

Plans Being Completed.
RESIDENCES Cost \$6,000 each
SAN FRANCISCO. Mount Davidson Manor.

Three one-story and basement frame and stucco residences (six rooms each; tile and composition roof, gas heat, hardwood trim, hardwood floors, colored tile baths and kitchens).

Owner and Builder—M. Nelson, 2847 Army Street.

Architect—Not Given.
Sub-bids will be taken within a few days.

Plans Completed.
RESIDENCE Cost, \$7500
ORINDA, Contra Costa Co., Cal. Orinda Country Club grounds.

One and one-half-story frame and stucco residence (7 rooms and 2 baths; Normandy style, shingle roof, steel sash, oil burner, hot air heating system, colored tile baths and kitchen, hardwood floors and trim).

Owner—Withheld.
Architect—Wm. A. Rich, Orinda.
Bids will be taken in about 2 weeks.

Plans Being Completed
RESIDENCE Cost, \$10,000
PALO ALTO, Santa Clara Co., Cal.
Two-story and basement frame and stucco residence (6 rooms, 2 baths) tile roof, hot air heating system, electric refrigeration, etc.

Owner—E. R. Hinrichs, 27 Woodinad Ave., Palo Alto.
Architect—Treichel & Goodpastor, 1540 San Pablo Ave., Oakland.
Contractor—Cleveland Smith, President Hotel, 935 Geary St., San Francisco.

Preparing Working Drawings
RESIDENCE Cost, \$18,000
PALO ALTO, Santa Clara Co., Cal.
Cowper St.
Two-story and basement frame and stucco residence (10 rooms and 3 baths; shingle or slate roof, English type).

Owner and Builder—Cleveland Smith, President Hotel, 935 Geary St., San Francisco.
Architect—Treichel & Goodpastor, 1540 San Pablo Ave., Oakland.
Bids will be taken in one week.

Sub-Bids Being Taken
RESIDENCE Cost, \$7,000
PALO ALTO, Santa Clara Co., Cal.
Bryant St.

One-story and basement frame and stucco residence (five rooms; shingle roof, gas furnace, colored tile bath and kitchen; English type).

Owner and Builder—Cleveland Smith, President Hotel, 935 Geary St., San Francisco.
Architect—Treichel & Goodpastor, 1540 San Pablo Ave., Oakland.

Plans Completed
RESIDENCE Cost, \$10,000
PALO ALTO, Santa Clara Co., Cal.
Tennyson St.

One-story and basement frame and stucco residence (7 rooms; full tile roof, gas furnace, colored tile bath and kitchen).

Owner and Builder—Cleveland Smith, President Hotel, 935 Geary St., San Francisco.
Architect—Treichel & Goodpastor, 1540 San Pablo Ave., Oakland.

Sub-bids will be taken within a few days.

Sub-Bids Being Taken
RESIDENCE Cost, \$7,000
PALO ALTO, Santa Clara Co., Cal.
Rinconada Ave.

One-story and basement frame and stucco residence (5 rooms; shingle roof, gas heat, tile bath and kitchen, hardwood floors, etc.).

Owner and Builder—Cleveland Smith, President Hotel, 935 Geary St., San Francisco.

Architect—Treichel & Goodpastor, 1540 San Pablo Ave., Oakland.

Sub-Contracts Awarded
RESIDENCE Cost, \$11,400
PALO ALTO, Santa Clara Co., Cal.
No. 1255 Hamilton Ave.

Two-story and basement frame and stucco residence (10 rooms).

Owner—Dr. Walter A. Jilison.
Architect—Guy Koepf, Carmel Woods, Carmel.
Contractor—Osborne & Knight, Mt. View.

Brick Work: Chas. Mills, 940 College Ave., Palo Alto.

Mill Work: Pacific Mfg. Co., Santa Clara.

Plumbing: Whitson Plumbing Co., 417 Emerson St., Palo Alto.

Cement Work: Ferioli & Bettini, 957 University Dr., Palo Alto.
Foundation is now being poured.

Contract Awarded.
RESIDENCE Cost, \$11,000
SACRAMENTO, Sacramento Co., Cal.
No. 1416 46th Street.

Two-story and basement frame and stucco residence (8 rooms and garage).

Owner—M. Sydenstricker, 1302 38th St., Sacramento.
Architect—Not Given.
Contractor—E. Sydenstricker, 917 Sonoma St., Sacramento.

Sub-Bids Being Taken.
RESIDENCE Cost, \$10,000
SAN FRANCISCO, Darien Way near San Benito Avenue.

Two-story and basement frame and stucco residence (8 rooms, 3 baths) (tile and composition roof, colored tile baths and kitchen, gas heat, hot air, electric refrigeration).

Owner and Builder—S. R. Anderson, 1433 7th Ave., San Francisco.
Architect—Not Given.

Plans Being Completed.
RESIDENCE Cost, \$10,000
SAN FRANCISCO, Darien Way near San Benito Ave.

Two-story and basement frame and stucco residence (8 rooms, 3 baths) (tile and composition roof, colored tile baths and kitchen, gas heat, hot air, electric refrigeration).

Owner and Builder—S. R. Anderson, 1433 7th Ave., San Francisco.
Architect—Not Given.

Sub-bids will be taken within a few days.

Sub-Bids Being Taken.
RESIDENCES Cost, \$5500-\$6000
SAN FRANCISCO, Vicente, Escalada Way, 30th and 31st Aves., block 2465A.

Six one-story and basement frame and stucco residences (5 rooms each; tile and composition roof, gas heat, colored tile baths and kitchen, hardwood floors).

Owner and Builder—Gordon Morris, 95 Pinehurst Way.
Architect—Not Given.

These are the first of a group of residences to be erected on the entire block.

Owner Will Erect by Day's Work.
RESIDENCES Cost \$3500 to \$5000
WATSONVILLE, Santa Cruz Co., Cal.
Twenty one-story frame and plaster residences.

Owner—Mutual Home Building Co. (A. C. Crosby, general manager), 17 West Lake Ave., Watsonville.
Plans by Owner's Architectural Dept.
These structure will be erected in

units of three and four buildings at a time and will be sold on the "rent-pay" plan.

Preparing Working Drawings.
RESIDENCE Cost, \$7000
PUEBLO, Alameda Co., Cal.

Two-story frame and stucco residence (6 rooms, shingle roof, gas heating system, tile bath, hardwood floors, etc.).

Owner—Withheld.
Architect—Fred H. Reimers, 233 Post St., San Francisco.
Bids will be taken in about one week.

Plans Being Figured.
REMODEL RESIDENCE Cost, \$2500
OAKLAND, Alameda Co., Calif. 4420 Bridgeview Drive.

Alterations and additions to two-story frame and stucco residence (add reinforced conc. and wood frame wing, two rooms, tile roof, steel sash, plumbing, drain tile, painting and decorating).

Owner—Beatrice Robinson, 1st National Bank Bldg., Oakland.
Architect—Guy L. Brown, American Bldg., Oakland.

SCHOOLS

Bonds Voted.
SCHOOL Cost, \$230,000
VALLEJO, Solano Co., Cal.
Class C brick or concrete Junior High School.

Owner—Vallejo Junior High School Dist., Elmer E. Cave, secretary, Board of Education.
Architect—Davis-Pearce Co., Grant & Weber Sts., Stockton.

Bond issue was passed by a vote of four to one.

Additional Prospective Bidders.
HEATING SYSTEM Cost, \$—
MODESTO, Stanislaus Co., Cal. Modesto Junior College.

Steam heating system in agricultural building, music hall, offices, etc.
Owner—Modesto City School District, E. D. Abbott, secretary Board of Education.

Architect—Davis-Pearce Co., Grant & Weber Sts., Stockton.

Fred. Snook Co., 596 Clay St., San Francisco.

Pacific Heating & Ventilating Co., 2053 Webster St., Oakland.

Other contractors reported Sept. 22.

Bids will be opened Oct. 2, 2 P. M.

Plans Being Figured—Bids Close Oct. 13, 8 P. M.

HEATING PLANT Cost, \$—
DURHAM, Butte Co., Cal.

Enlargement of heating plant at high school.

Owner—Durham Union High School District, Beecher H. Harris, clerk.

Architect—Cole and Brouchoud, First National Bank Bldg., Chico.

Plans on file in office of clerk and obtainable from the architects.

BERKELEY, Alameda Co., Calif.—Haron, Rickard and McCone, 1600 Bryant St., San Francisco, at \$2,319 awarded contract by Board of Education to furnish one used engine lathe for school department.

Herberts-Moore Machinery Co., 140 First St., San Francisco, at \$1,615, awarded contract to furnish used shaper.

Plans Being Figured—Bids Close Oct. 10, 2 P. M.

SCHOOL Cost, \$—
FALL RIVER MILLS, Shasta Co. Cal. Two-classroom school.

Owner—Fall River Mills Elementary School Dist., Abbie L. Shaffer, clerk.

Architect—Ralph D. Taylor, Alturas.
Certified check or bidder's bond 10% required with bid. Plans obtainable

from the architect or from the clerk. Rate of wages applying on this project follows: Bricklayers, \$10; cement finishers, \$8; common laborers, \$4; painters, \$8; plasterers' hod carriers, \$6; roofers, \$8; teamsters, \$5; carpenters, \$7; electrical workers, \$9; lathers, \$8; plasterers, \$9; plumbers, \$9; sheet metal workers, \$9; truck drivers, \$5. The same rate as above shall be paid for Sundays and holidays.

OAKLAND, Cal.—Until Oct. 13, 4 P. M., bids will be received by John W. Edgemond, secretary, Board of Education, Administration Bldg., E 19th St. and Second Ave., to furnish and deliver school furniture under Schedule No. 14 and lumber, under Schedule No. 16. Specifications and further information obtainable from secretary.

Date of Opening Bids Postponed Until Oct. 5, 8 P. M.

ADDITION Cost, \$11,042
ROSEVILLE, Placer Co., Cal.
Two-story brick addition to school.
Owner—Roseville School District.
Architect—Starks & Flanders, Forum Bldg., Sacramento.

Following contractors have secured plans:

C. J. Hopkinson, 1810 28th St., Sacramento.
Harry Brindle, Sacramento.
Chas. Unger, 4532 T St., Sacramento.
Campbell Const. Co., 800 R St., Sacramento.

Mabrey & Conner, Forum Building, Sacramento.

F. F. Bender, 1012 Del Paso Blvd., Sacramento.

Eugene Kenyon, North Sacramento.

F. H. Betz, 1017 43rd St., Sacramento.

Azevedo & Sarmento, 920 O Street, Sacramento.

H. C. Martin, 4231 J Street, Sacramento.

H. W. Robertson, 3004 F St., Sacramento.

Guth and Fox, 1528 27th St., Sacramento.

W. C. Keating, Forum Bldg., Sacramento.

G. W. Kopp, 1514 15th St., Sacramento.

Wilkie & Propper, Roseville.

Bid opening extended from Sept. 28.

Miscellaneous and Ornamental Iron

Contract Awarded.

ADDITIONS Cost, \$—

SALINAS, Monterey Co., Cal. Lincoln

and Roosevelt Schools.

Alterations and additions to frame and

stucco schools (tile roofs, steam

heating system to connect to main

heating plant).

Owner—Salinas City School District.

Architect—Chas. F. Butner, Glikbarg

Bldg., Salinas.

Contractor—J. H. Graham, Romey

Lane, Salinas.

Miscellaneous and Ornamental Iron—

San Jose Iron Works, 535 W-San

Carlos St., San Jose.

Preparing Plans.

GYMNASIUM Cost, \$140,000

CLAREMONT, Los Angeles Co., Cal.

SE College and Second Sts.

Two-story and basement gymnasium

(bowling alley, rifle range, dancing

studio, etc.)

Owner—Pomona College.

Architect—Matson & Maybury, 25 S.

Euclid Ave., Pasadena.

Miscellaneous and Ornamental Iron

Contract Awarded.

Cost, \$100,000

REDWOOD CITY, San Mateo Co., Cal.

NE Katherine and Grand Sts.

Two-story concrete school (Spanish

type, ten classrooms, club house,

auditorium and cafeteria).

Owner—Roman Catholic Archbishop of

San Francisco, 1100 Franklin St.,

San Francisco.

Architect—H. A. Minton, 525 Market

St., San Francisco.

Contractor—L. N. Pollard, 55 Brewster

St., Redwood City.

Miscellaneous and Ornamental Iron—

San Jose Iron Works, 535 W-San

Carlos St., San Jose.

Bids Opened

MUSIC BLDG. Cost, \$30,000

TAFT, Kern County, Cal.

One-story reinforced concrete music

building (composition roof).

Owner—Taft Union High School Dist.

Architect—W. H. Weeks, 525 Market

St., San Francisco.

Following is complete list of bids

received:

General Work

G. A. Graham, 613 19th St.,

Bakersfield\$23,274

N. H. Sjoberg & Son, San Fran-

cisco23,605

Curry & Duglar, Bakersfield24,600

Opperman & Hellett, Bakersfield25,072

R. McCray, Taft25,300

J. W. Cobby & Son, San Fran-

cisco27,766

Roofing

Kern Roofing Co., Bakersfield\$820

Taft Furniture & Hardware Co.,

Taft882

Bakersfield Roofing Co., Bakers-

field925

Keystone Roofing Co., Bakers-

field949

Plumbing and Heating

H. O. Ward\$2,780

Standard Plumbing3,155

Painting

Patterson Bros., 573 Santa Rosa

Ave., Berkeley\$1,300

Taft Furniture & Hardware Co.,

Taft1,685

E. A. Hinckle, Taft2,075

Electric

A. Shaler, Bakersfield\$2,696

Western Electric Co., Bakersfield

Electric Construction Co., Bakers-

field3,010

Plastering

A. Simpson, Bakersfield\$3,782

A. Knowles, San Francisco3,985

MacGrue & Co., San Francisco4,600

P. Schegrew, Bakersfield4,197

Linoleum and Shades

W. P. Fuller & Co., 301 Mission

St., San Francisco\$575

Tyre Bros., San Francisco598

Taft Furniture & Hardware Co.,

Taft866

Bids held under advisement.

Preparing Plans.

COLLEGE BLDG. Cost, \$125,000

RIVERSIDE, Riverside Co., Cal.

Two-story and basement reinforced

concrete etomology building (100

by 70 feet).

Owner—University of California.

Architect—G. Stanley Wilson, 3646

Ninth St., Riverside.

Sub-Bids Wanted.

SCHOOL & HALL Cost, \$242,000

BERKELEY, Alameda Co., Cal.

Two-story reinforced concrete pri-

mary school and one-story rein-

forced concrete academic dining

hall (20 classrooms).

Owner—State of California.

Architect—Charles Roeth, 1404 Frank-

lin St., Oakland.

The primary school building is two

stories with reinforced concrete founda-

tations, walls, floors, metal stud par-

titions, steel and concrete roof frame

and clay tile roof. The academic din-

ing hall is one-story with reinforced

concrete foundations, walls, floor,

concrete roof framing and clay tile roof.

F. C. Amoroso & Son, Wallace and

Keith Sts., San Francisco, general

contractors desire sub-bids on all por-

tions of the work in connection with

above for which bids are to be opened

October 13, 2 P. M.

Prospective Bidders.

HEATING, ETC. Cost, \$40,000

STOCKTON, San Joaquin Co., Cal.

Interior finish and heating plant for

new building on the Prevocational

School grounds.

Owner—City of Stockton, Ansel S.

Williams, secretary, Board of Edu-

cation, Lindsay and San Joaquin

Sts., Stockton.

Architect—Losekann & Cloudsley, 309

Exchange Bldg., Stockton.

Following contractors have secured

plans:

General Work

C. H. Dodd, 32 W Park St., Stockton.

A. Love, 1430 N Hunter St., Stock-

ton.

George Roek, 1724 W Cornell St.,

Stockton.

J. J. Cavanaugh, 219 N Sutter St.,

Stockton.

Carl Nelson, 1421 E Channel Street,

Stockton.

H. E. Vickroy, Stockton.

J. R. Leighton, 813 Bedford Road,

Stockton.

H. W. Johnson, 1229 W. Magnolia

St., Stockton.

C. E. Cotton.

The Motton Co., 243 Hamilton Ave.,

Palo Alto.

Sam Eyre, Tracy.

H. H. Henning, 1751 Berkeley Ave.,

Stockton.

Electrical Work

Grider Electric Co., 409 E Weber St.,

Stockton.

Commercial Electric Co., 311 E Mar-

ket St., Stockton.

F. T. Schooley, 219 E Miner Street,

Stockton.

Eddy Electric Co., 309 E Weber St.,

Stockton.

E. L. Gnekow, 647 E Main St., Stock-

ton.

Collins Electric Co., 708 E Market

St., Stockton.

Con J. Franke, 748 E Weber Street,

Stockton.

Plumbing and Heating

Pahl Harry Co., 427 E Channel St.,

Stockton.

Erandt Bros., 318 E Lafayette St.,

Stockton.

W. T. Gibson, 123 S Grant Street,

Stockton.

E. L. Gnekow, 647 E Main Street,

Stockton.

Miller-Hayes Co., Grant and Weber

Sts., Stockton.

H. E. Hendrix, Copperopolis Road,

Stockton.

Bids are to be opened October 7th,

7:30 P. M.

Bids Wanted—To Be Opened October

5, 7:30 P. M.

ADDITION Cost, \$5000

COLLEGE CITY, Colusa Co., Cal.

One-story frame and stucco addition

to gymnasium (steam boiler plant,

concrete floors, steel sash, composi-

tion roof).

Owner—Pierce Joint Union High

School District.

Architect—Otto Deichmann, 110 Sutter

St., San Francisco.

revised plans. Previous bids rejected.

Aggregate and Cement Contracts

Awarded.

HOME & NOVITIATE Cost, \$—

BURLINGAME, San Mateo Co., Cal.

Four-story and basement steel frame

and concrete home and novitiate

(tile roof; steam heating system).

Owner—Roman Catholic Archbishop of

San Francisco, 1100 Franklin

St., San Francisco.

Architect—Edward Eames, 353 Sacra-

mento St., San Francisco.

Contractor—Barrett & Hilt, 918 Har-

risson St., San Francisco.

Structural Engineers—Ellison & Rus-

sell, Pacific Bldg., San Francisco.

Cement and Aggregates—Cahalán Co.,

Railroad Ave., Burlingame.

Other awards previously reported.

Plans Being Figured—Bids Close Oct. 7, 3 P. M.
HEATING, ETC. Cost, \$40,000
STOCKTON, San Joaquin Co., Cal.
Interior tiling, and heating plant for new building on the Prevoconational School grounds.

Owner—City of Stockton, A. S. Williams, Secretary, Board of Education, Lindsay and San Joaquin Sts., Stockton.

Architect—Losskann & Chowdsley, 3309 Exchange Bldg., Stockton.
Plans obtainable from architects or board of education upon deposit of \$25. Certified check, cash, cashier's check or bidder's bond 10% required with bid.

Plans Being Figured—Bids Close Oct. 7, 4 P. M.

OUT BUILDINGS Cost, \$—
CALPELLA, Mendocino Co., Cal.
Erect woodshed and toilet (separate bids for building and plumbing and fixtures).
Owner—Occidental School District, Wm. Hetrick, Clerk, Calpella.
Architect—Not Given.
Plans are obtainable from the clerk at Calpella.

Contract Awarded.
SHOWER BLDG. Cont. Price, \$1425
CLEAR LAKE, Lake Co., Cal.
Erect girls' shower building (34x36ft.)
Owner—Clear Lake Union High School District, Victor Eiskhoff, clerk, Clear Lake.
Architect—Not Given.
Contractor—Cromwell & Dill, Lakeport.
Complete list of bids follow:
Cromwell & Dill.....\$1425
Claude Beach.....1428
Frank R. Phillips.....1635
A. O. Lightford.....1650

Plans Being Figured—Bids Close Oct. 9, 4 P. M.
ADDITION Cost, \$—
PISMO, San Luis Obispo Co., Cal.
One-story brick school (unit No. 2).
Owner—Pismo Elementary School District, Julia M. Howard, Clerk.
Architect—Louis N. Crawford, Gibson-Drexel Bldg., Santa Maria.

BANKS, STORES & OFFICES

Sub-Contracts Awarded.
REPAIRS Cost, \$20,000
STOCKTON, San Joaquin Co., Calif.
429 E Weber Street.
Repair fire damage to 3-story brick store and warehouse.
Owner—Jesse Lee Wilhoit, Wilhoit Bldg., Stockton.
Architect—Not Given.
Contractor—J. F. Shepherd, First National Bank Bldg., Stockton.
Elevators—Spencer Elevator Co., 166 7th St., San Francisco.
Painting—L. A. Daurer Co., Stockton.
Plastering—John Perry, 242 E Miner St., Stockton.
Mill Work—Union Planing Mill, Taylor and Sutter Sts., Stockton.
Electric Work—Hild Electric Co., 125 W Main St., Stockton.
Lumber—Diamond Match Co., Fremont and Stockton Sts., Stockton.
Furnace—Fraser Furnace Co., 445 S San Joaquin, Stockton.
Marble and Tile—Fischer Tile & Marble Co., 744 E Weber St., Stockton.
Glass—W. P. Fuller Co., 218 S Aurora, Stockton.
Plumbing—E. Gnekow, 647 E Main St., Stockton.

Sub-Bids Being Taken.
STORE Cost, \$—
OAKLAND, Alameda Co., Cal. Lake-shore Avenue.
One-story brick store (part tile, tar and gravel roof).
Owner—Lionel Hoge, 35 Muir Street, Oakland.

Plans by Ray Keefer and E. L. Herberger, 770 Westley Ave., Oakland.
Contractor—Tudley Jacobellis, 369 Pine St., San Francisco.
Sub-bids are wanted on all portions of the work.

Contract Awarded.
OFFICES Cost, \$—
SACRAMENTO, Sacramento Co., Cal.
17th and L Streets.
One-story and mezzanine floor white brick office building (40x30-feet; Spanish type).
Owner—Mrs. Meister, Sacramento.
Plans by Mr. Murcell.
Contractor—Wm. Murcell, 200 V St., Sacramento.
Lessee—California State Automobile Assn., 150 Van Ness Avenue, San Francisco.

Contract Awarded.
REMODELING Cont. price, \$2064
PETALUMA, Sonoma Co., Cal.
Remodel and renovate frame and stucco market.
Owner—City Properties, Inc., 1736 Franklin St., Oakland.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Contractor—M. H. Fredericks, 525 7th St., Petaluma.

Contract Awarded.
STORE & LOFT Cost, \$—
SAN FRANCISCO. Otis St. near 12th Street.
Two-story reinforced concrete store and loft (wood trusses).
Owner—Geo. A. Tuck, My Atlas Heating & Ventilating Co., 557 4th St.
Architect—E. H. Denke, 1317 Hyde St.
Contractor—M. Vukicevich, 666 Mission Street.

Plans To Be Prepared.
BANK Cost, \$—
LONE PINE, Inyo Co., Cal.
Reinforced concrete bank (25x70-ft.)
Owner—Max Skinner, Lone Pine.
Architect—H. A. Ninton, Bank of America Bldg., San Francisco.
Lessee—Bank of America.

Plans Being Figured—Bids Close Oct. 19th.
STORE Cost, \$—
BAKERSFIELD, Kern Co., Cal. 19th and K Streets.

Three-story and basement brick and concrete store (brick and terra cotta facing, composition roofing, structural steel, cement, hardwood and terrazzo floors, elevator, plate glass, metal fire doors, ornamental iron, fire escapes, gas heat, etc.).
Owner—S. H. Kress Co., New York City.
Plans by Eng. Dept. of Owner.

Following contractors will submit bids:
Adolph Hansen, 2328 19th St.
P. W. Painter, 1801 Palm St.
Fred L. Gribble, 1202 17th St.
Ottermann & Hurllett, 1901 Oregon St.
Henry Elsieier, 229 18th St.
G. A. Graham, 613 19th St.
Currie & Duglar, 1020 Kern County Land Co. Bldg.
K. E. Parker, 135 S. Park, San Francisco.
Lindgren & Swinerton, 1726 34th St., Sacramento.
Clinton Const. Co., 1103 Spring Arcade bldg., Los Angeles.

Preparing Working Drawings.
STORE Cost, \$50,000
OAKLAND, Alameda Co., Cal. 14th Street near Broadway.
Two-story and basement steel frame and concrete store.
Owner—Withheld.
Architect—Williams and Wastell, 374 17th St., Oakland.
Plans will be ready for bids in about two weeks.

Plans Being Completed.
UTILITY BLDG. Cost, \$100,000
LONG BEACH, Los Angeles Co., Cal.
NW Broadway and Pacific Ave.
Three-story and basement reinforced concrete public utility building, (60x120 ft.) mechanical water coolers, steel ash, intercommunicating phone system.
Owner—City of Long Beach.
Architects & Engineers—Derdick & Isaacs, Heartwell Bldg., Long Beach.
Bids will be asked in about two weeks.

Sub-Bids Wanted.
STORE Cost, \$65,000
SAN MATEO, San Mateo Co., Calif.
Second Ave. and Main St.
1½-story reinforced concrete store; (terra cotta exterior, composition roofing; 8 stores and mezzanines).
Owner—Merkel Bros., 201 B St., San Mateo.
Architect—Edwards & Schary, 550 Montgomery St., San Francisco.
G. P. W. Jensen, 320 Market Street, San Francisco, general contractors, desire sub-bids on all portions of the work in connection with above, for which bids are to be opened Oct. 7.

Sub-Contracts Awarded.
RESTAURANT Cost, \$7000
OAKLAND, Alameda Co., Cal. Outer Harbor.
One-story frame and stucco restaurant (130x20 ft.; composition roof, stucco walls, magnesite flooring, etc.).
Owner—City of Oakland (Port Commission), 424 Oakland Bank Bldg., Oakland.

Plans by Eng. Dept. of Owner.
Contractor—Sullivan & Sullivan, 3927 39th Ave., Oakland.
Roofing—R. E. Brewer Roofing Co., 830 E-11th St., Oakland.
Plumbing—Carl T. Doell Co., 467 21st St., Oakland.
Sheet Metal—Melrose Sheet Metal Works, 4425 E-14th St., Oakland.
Plastering—Schmidt & Reed, 107th Ave., Oakland.
Painting—Pacific Decorating Co., 1717 Webster St., Oakland.
Lumber and Millwork—Sunset Lumber Co., 400 High St., Oakland.

Plans Being Revised—Contract Awarded
MARKET Cost, \$15,000
BERKELEY, Alameda Co., Cal. Telegraph Ave. and Ward St.
One-story steel frame and hollow tile market (steel trusses, composition roof).
Owner—Drive-In Market, Inc.
Architect—Treichel & Goodpastor, 1540 San Pablo Ave., Oakland.
Contractor—K. J. Henning, 2514 Piedmont Ave., Oakland.
J. E. Holstrom was previously reported as the owner, but has no connection with the new building.

Bids Opened.
REMODEL MARKET Cost, \$—
PETALUMA, Sonoma Co., Cal.
Remodel and renovate frame and stucco market.
Owner—City Properties, Inc., 1736 Franklin St., Oakland.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Low Bidder—M. H. Fredericks, 525 7th St., Petaluma.
Following is a complete list of bids:
M. H. Fredericks, Petaluma.....\$2,064
W. Singleton, Petaluma.....2,280
A. M. Seeborg, Petaluma.....2,289
Petalum Const. Co., Petaluma.....2,475
Vogenson Const. Co., Petaluma.....2,767
Contract will be awarded to the low bidder shortly.

Fire Escape Contract Awarded.
OFFICES Cost, \$325,000
SAN FRANCISCO. N McAllister W 1948 St. (60x12 ft.)
 Six-story and basement Class A reinforced concrete offices (terra cotta and granite facing; steam heating system, etc.)
 Owner—Perry F. Burke, 5 Wm. Magee, 69 Sutter St., San Francisco.
 Architect—Hills & Fairweather, Balboa Bldg., San Francisco.
 Contractor—Barrett & Hilt, 918 Harrison St., San Francisco.
 Engineer—T. Ronneberg, Crocker Bldg., San Francisco.
Fire Escapes—Star Ornamental Iron Works, 1271 Folsom St., S. F.
 Other awards previously reported.

Plans Completed.
ADDITION Cost, \$81,000
SACRAMENTO, Sacramento Co., Cal.
 Two-story and basement reinforced concrete addition to State Printing Office (concrete and composition roof, steam heating system).
 Owner—State of California.
 Architect—Martin A. Sheldon, Monadnock Bldg., San Francisco.
 Structural Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
 Heating Engineer—Leland & Healy, 53 Sutter St., San Francisco.
 Plans have been forwarded to Sacramento for approval. Bids will be asked shortly.

Contract Awarded.
REPAIRS Cost, \$20,000
STOCKTON, San Joaquin Co., Calif.
 429 E. Weber Street.
 Repair fire damage to 3-story brick store and warehouse.
 Owner—Jesse Lee Wilhoit, Wilhoit Bldg., Stockton.
 Architect—Not Given.
 Contractor—J. F. Shepherd, First National Bank Bldg., Stockton.

Plans Being Figured.
NEWSPAPER BLDG. Cost, \$100,000
PASADENA, Los Angeles Co., Cal.
 NE Fair Oaks and Union Sts.
 Two-story and basement reinforced concrete and steel newspaper building (133x92 ft.; elevator; steam heat, etc.)
 Owner—Pasadena Post.
 Architect—Bennett & Haskell, First Trust Bldg., Pasadena.

Contract Awarded.
FILM EXCHANGE Cost, \$35,000
SAN FRANCISCO. W Hyde St. 107 W Golden Gate Ave.
 Two-story Class B reinforced concrete film exchange building (30x137½ ft.; tar, gravel and concrete roof, steam heating, rubber tile floors, special racks, filing cases and considerable equipment).
 Owner—Withheld.
 Architect—A. H. Knoll, Hearst Bldg., San Francisco.
 Contractor—G. P. W. Jensen, 320 Market St., San Francisco.

Plans Being Figured—Bids Close Oct. 2, 1 P. M.
REFRIGERATION PLANT Cost, \$—
PETALUMA, Sonoma Co., Cal.
 Refrigeration plant, refrigerator counters, display cases and fixtures.
 Owner—City Properties, Inc., 1736 Franklin St., Oakland.
 Architect—W. H. Weeks, 525 Market St., San Francisco.

Plans Being Figured.
STORE Cost, \$65,000
SAN MATEO, San Mateo Co., Calif.
 Second Ave. and Main St.
 1½-story reinforced concrete store; (terra cotta exterior, composition roofing; 3 stores and mezzanines).
 Owner—Merkel Bros., 201 E. St., San Mateo.
 Architect—Edwards & Schary, 550

Montgomery St., San Francisco.
 Sub-bids are wanted by Buschke & Johnson, general contractors, Baldwin Bldg., 225 Third Ave., San Mateo, in connection with above. General bids are being taken from a selected list of contractors only.

THEATRES

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—Union Oil Co. has been authorized by county supervisors to construct a runway to dry-dock boats up to 65 ft. in length at Port San Luis.

MISCELLANEOUS CONSTRUCTION

SAN FRANCISCO—Until October 7, 2:30 P. M., bids will be received by Veda B. Young, Secretary, Playground Commission, 376 City Hall, to construct fencing and back-stop at the Margaret S. Hayward Playground, Golden Gate Ave. and Gough St., and for fencing one tennis court at the Bayview Playground, Third and Armstrong Sts. Certified check 10% payable to secretary required with bid. Specifications obtainable from Secretary.

Construction Postponed Indefinitely.
MAUSOLEUM Cost, \$100,000
ALTA MESA Memorial Park, near Mayfield, Santa Clara County, Cal.
 Arastradero Road.
 Reinforced concrete mausoleum (marble interior, cast stone trim, glass skylight; 400 crypts; 3 rooms for columbarium).
 Owner—Alta Mesa Improvement Co., Arastradero Road, Alta Mesa.
 Architect—Gardner A. Dailey, 425 Mason St., San Francisco.
 Contractor—Meese & Briggs, 1425 Broadway, Burlingame.

SACRAMENTO, Cal.—See "Waterworks," this issue. Engineer Henry D. Dewell, 55 New Montgomery St., San Francisco, completes plans for Sacramento Municipal Filtration Plant project. City council to ask bids within ten days.

STOCKTON, San Joaquin Co., Cal.—Until October 19, 11 A. M., bids will be received by Eugene C. Graham, county clerk, to construct new ferry boat. Specifications and further information obtainable from Julius Manthey, county surveyor.

OAKLAND, Cal.—Until Oct. 13, 10:30 A. M., bids will be received by George E. Gross, county clerk, for painting the Fruitvale Ave. Bridge. Deposit of \$25 required for plans.

ALAMEDA, Alameda Co., Cal.—Bids are being received by U. S. Bureau of Public Roads, foot of Dennison St., Oakland, for grading on Government Island, Alameda, involving 56,000 cu. yds. Plans obtainable from above office.

Plans Being Figured—Bids Close Oct. 5th.
DEPOT Cost, \$—
CRESCENT MILLS, Plumas Co., Cal.
 Two-story frame and rustic freight and passenger depot.
 Owner—Western Pacific R. R. Co., Mills Bldg., San Francisco.
 Plans by Eng. Dept. of Owner (H. M. Smitten in charge).

OAKLAND, Alameda Co., Calif.—American Smelting & Refining Co., 201 First St., San Francisco, at \$4,400 awarded contract by East Bay Municipal District to furnish 50 tons of pig lead.

OAKLAND, Cal.—Until October 13, 4 P. M., bids will be received by John W. Edgemond, secretary, Board of Education, Administration Bldg., E-Tenth St. and Second Ave., to furnish and deliver:
 (1) Fuel Oil, under Schedule No. 12;
 (2) Gasoline, under Schedule No. 13;
 (3) Incandescent Lamps, under Schedule No. 15;
 (4) White Spray Paint, under Schedule No. 17.

OAKLAND, Cal.—Until October 13, 4 P. M., bids will be received by John W. Edgemond, secretary, Board of Education, Administration Bldg., E-Tenth St. and Second Ave., to furnish and deliver:
 34 Underwood No. 6 Typewriters, Pica Type, or Typewriters of equal quality and utility.
 30 Royal No. 5x10 Typewriters, Pica Type, or Typewriters of equal quality and utility.

11 L. C. Smith No. 8-10 Typewriters Pica Type, or Typewriters of equal quality and utility.
 5 Remington No. 12A Typewriters Pica Type, or Typewriters of equal quality and utility.
 2 Royal No. 5x10 Typewriters Elite Type, or Typewriters of equal quality and utility.

Further information obtainable from secretary.

S. F. ARCHITECT SEEKS PLAN FEE

Edgar A. Mathews, San Francisco architect, who drew the plans for the original manual training building at the Sacramento High School which was destroyed by fire recently, has demanded of the city board of education that it compensate him for the use of his plans in the reconstruction of the building.

At its last meeting the school board instructed Chas. C. Hughes, superintendent of schools, to notify Mathews that his plans have not been used in designing the new structure, to the board members' knowledge.

Jens C. Petersen, Sacramento architect, was employed to draw the plans and the board pointed out the new building, now being erected, differs in many particulars from the original structure designed by Mathews.

The General Electric Company has announced a new type of totally-enclosed copper oxide film cutout superseding the lead and aluminum disc cutouts for street lighting circuits. The new cutouts, for use on series circuits, are available in breakdown voltage of 50- to -100 and 100- to -200 volts, and are particularly suited for installation in moist climates as they are hermetically sealed. The new copper oxide cutouts are stronger, larger and more durable than the lead and aluminum cutouts which they supersede. A new copper oxidizing process employed in the manufacture of the cutouts enables the dielectric strength to be easily controlled. The copper oxide cutouts, with a diameter of ¾ inch are easier for the lineman to handle, resulting in a saving to the user through the reduction of spoilage and loss by linemen.

According to word from Munich, Bavaria, Professor Max Littman, 70, famous architect, died in that city Sept. 21. He resigned many of the notable theatres of Germany and rebuilt the famous Hofbräuhaus in Munich.

Joseph R. Doering, 4122 E-Sixteenth St., Oakland, will operate under the firm name of Universal Roof Co.

Engineering News Section

BRIDGES

SACRAMENTO, Cal.—County Engineer Chas. Deterding, Jr., is preparing plans for construction of a wooden bridge on Meadow View Road. Estimated cost, \$2,000.

SAN JOAQUIN COUNTY, Cal.—State Highway Commission completing plans for bridge over Paradise cut in San Joaquin County between Tracy and Stockton; estimated cost \$77,500.

SACRAMENTO, Cal.—Until Oct. 5, 10 A. M., bids will be received by H. W. Hall, county clerk, to construct wooden bridge on the Meadow View Road. Estimated cost, \$2,000. Prevailing wage rates follow:

Carpenters.....	\$9.00
Laborers, common.....	4.00
Laborers, construction.....	5.50
Laborers, concrete.....	6.95
Concrete mixer operator, small.....	8.00
Truck drivers.....	6.90

For any craft not included in the list the minimum per diem wage shall be the general prevailing wage for the location as determined by the Board of Supervisors and shall not be less than \$4.00 per day. Double time shall be paid for work on Sundays and holidays; one and one-half time for overtime.

Certified check 10% payable to the Chairman of the Board of Supervisors required with bid. Plans obtainable from County Engineer Chas. Deterding, Jr.

GLENN COUNTY, Cal.—Until Oct. 14, 2:30 P. M., bids will be received by C. H. Whitmore, district engineer, State Highway Commission, 502 State Office Bldg., Sacramento, for removing timber deck and rails of the three steel stringer bridges across draws between 20 and 22 miles east of Willows and constructing laminated timber floor, timber rails and adding steel stringers. The project involves:

- (1) 1 lot timber deck systems to be removed;
- (2) 1 lot existing steel work to be cleaned and painted;
- (3) 5200 lbs. structural steel in place;
- (4) 37 M ft. board measure Redwood timber, dense select all heart structural grade, in place;
- (5) 1 lot miscellaneous item of work.

CALIFORNIA.—Following contracts have been accepted by the California State Highway Commission:

Placer County—Contract for the construction of a bridge across 3.6 miles north of Lincoln on the Pacific Highway. Geo. J. Ulrich Const. Co., Modesto, \$20,100. Accepted Sept. 22.

San Bernardino County—Contract for construction of a bridge across Lytle Creek. Robinson-Roberts Co., Los Angeles, contractor, \$34,900. Accepted Sept. 22.

SAN FRANCISCO.—Barrett & Hilt, 915 Harrison St., at \$552,590 submitted low bid to the Board of Public Works Sept. 30 to construct a Strauss Steel Trunnion Bascule Bridge, including substructure and approaches over the Channel Street Waterway at Third St. Complete list of bids, all taken under advisement, follows:
Barrett & Hilt.....\$552,590
G. Bullock, Sacramento.....556,117
Merritt-Chapman-Scott Corp.,

San Pedro.....	580,000
Healy-Thibblitts Const. Co. S. F.....	597,300
Clinton Const. Co., S. F.....	614,000
McDonald & Kahn, S. F.....	621,999
M. B. McGowan, S. F.....	629,000
Schuler and MacDonald, Oakland.....	699,000

State Board of Harbor Commissioners and City and County of San Francisco will share in the cost of financing this project.

STOCKTON, San Joaquin Co., Cal.—Ralph Hunter, 2825 S St., Sacramento, at \$800 awarded contract by county supervisors to extend the landings for the Staten Island Ferry for a distance of 12 feet. Project involves:

- (1) 240 lin. ft. piles;
 - (2) 546 lb. ft. Douglas fir timber.
- Complete list of bids follows:
Ralph Hunter, Sacramento.....\$ 800
J. E. Fitzsimmons, Lodi.....843
John Hachman, Stockton.....960
M. A. Jenkins, Sacramento.....1150

SAN RAFAEL, Marin Co., Cal.—J. J. Hornsby and J. A. Modin, Melrose Ave., Mill Valley, at \$2378.20 awarded the contract by county supervisors to construct a reinforced concrete bridge at Avery Ave. Homestead Road District No. 3, involving:

- (1) 104 cu. yds. class A cem. conc. in place;
- (2) 7500 lbs. reinf. steel in place;
- (3) 60 lin. ft. 30-in. corr. metal pipe;
- (4) 890 cu. yds. embankment.

Complete list of bids follows:

(A) J. J. Hornsby and J. A. Modin, Mill Valley.....	\$2,378.20
(B) John Carcano, San Rafael.....	2,460.80
(C) Vincent Maggoira, Sausalito.....	2,501.50
(D) Whited & Whited, Santa Rosa.....	2,562.50
(E) Louis Lambretti, Mill Valley.....	2,581.00
(F) W. L. Proctor, Santa Rosa.....	2,802.40
(G) Lee J. Immel, Berkeley.....	2,876.50
(H) J. P. Lawlor, S. F.....	3,073.00
(I) R. P. Smith, Santa Rosa.....	3,349.00

	(1)	(2)	(3)	(4)
(A).....	\$15.00	\$.0425	\$.25	\$.33
(B).....	15.95	.04	.75	.50
(C).....	16.00	.04	.60	.55
(D).....	17.50	.04	.50	.45
(E).....	16.70	.04	1.75	.48
(F).....	15.40	.036	.50	1.00
(G).....	18.00	.05	.60	.65
(H).....	18.75	.045	1.00	.80
(I).....	24.00	.04	1.60	.50
				20

OREGON—Union Bridge Co., Portland, at \$51,680 awarded contract by U. S. Bureau of Public Roads, Portland, Oregon, to construct bridge on John Day Highway, near Pendleton. Clackamas Construction Co., Oregon City, Ore., at \$21,888 awarded contract to construct bridge over the Rogue River.

STOCKTON, San Joaquin Co., Cal.—Until October 13, 11 A. M., bids will be received by F. D. Graham, county clerk, to construct a reinforced concrete bridge over the main canal of the South San Joaquin Irrigation District on the Victory Road. Estimated cost, \$4000. Structure will be financed jointly by the counties of San Joaquin and Stanislaus. Certified check 10% required with bid. Plans obtainable from Julius E. Manthey, county surveyor, Stockton. Per diem wages on this projects follow:

Form carpenters, \$6; carpenters' helpers, \$5; cement finishers, \$3; cement workers, \$5; concrete mixer men, \$5.50; common laborers, \$4; reinforcing steel workers, \$6; teamsters, \$5; truck and tractor drivers, \$5. Any classification omitted therein, not less than 50c per hour. Overtime, legal holidays, including Sundays, time and one-half.

MARION COUNTY, Ore.—Until October 13, 10 A. M., bids will be received by W. H. Lynch, district engineer, U. S. Bureau of Public Roads, 316 New Post Office Bldg., Portland, Ore., to construct Dry Creek, Boulder Creek and Tunnel Creek Bridges on the North Santiam Highway, Project 24-C1, in the Santiam National Forest, involving:

- (1) 3,000 cu. yds. unclassified excavation approaches;
- (2) 580 cu. yds. do do for structures;
- (3) 200 cu. yds. unclassified excavation for borrow;
- (4) 1 35-ft. log span;
- (5) 425 lin. ft. logs in log bents;
- (6) 120 cu. yds. "A" concrete;
- (7) 276 cu. yds. "D" concrete;
- (8) 58,000 lbs. reinforcing steel;
- (9) 600 lbs. bronze bearing plates;
- (10) 30 cu. yds. riprap;
- (11) Maintenance of traffic and removal of old bridges and other small items of work.

Plans obtainable from the district engineer on deposit of \$10, returnable, checks for same to be made payable to the Federal Reserve Bank of Portland, Ore.

MERCED COUNTY, Cal.—Until October 20, 2 P. M., bids will be received by C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, 461 Market St., San Francisco, to construct the Stoneman and El Capitan Bridges and grading approaches, Section B2 of Route 1, the El Portal-Floor of Valley Highway in Yosemite National Park. Project involves:

- (1) 2080 cu. yds. unclass. excav. for struc. (wet);
- (2) 1620 cu. yds. do; (dry);
- (3) 300 cu. yds. do borrow;
- (4) 10.5 M.B.M. untreated timber in place;
- (5) 1145 cu. yds. class A concrete;
- (6) 770 cu. yds. class B concrete;
- (7) 100 cu. yds. class D concrete;
- (8) 170 cu. yds. class S concrete;
- (9) 137,000 lbs. reinf. steel;
- (10) 530 cu. yds. masonry;
- (11) 87,000 lbs. struc. steel in place;
- (12) 21,920 lin. ft. untreated timber piling in place;
- (13) 285 cu. yds. rock facing;
- (14) 170 sq. yds. arch ring stones;
- (15) 114 lin. ft. curb stones;
- (16) 420 lin. ft. stone steps;
- (17) 110 lin. ft. stone borders;
- (18) 375 lin. ft. 42-in. dia. logs;
- (19) 350 lin. ft. log handrail;
- (20) 180 sq. yds. asph. plank wearing surface;
- (21) 1060 sq. yds. water proofing;
- (22) 75 cu. yds. imported lump;
- (23) a lump sum, removing existing bridge.

Plans obtainable from District Engineer on deposit of \$10, returnable, checks for same to be made payable to the Federal Reserve Bank of San Francisco.

OAKLAND, Cal.—Until Oct. 13, 10:30 A. M., bids will be received by George E. Gross, county clerk, for painting the Fruitvale Ave. Bridge. Deposit of \$25 required for plans.

DREDGING, HARBOR WORKS & EXCAVATIONS

VENTURA, Ventura Co., Calif.—County Surveyor, Charles Pettit is preparing plans to cut channel in the Santa Clara River a total length of 3000 ft. through the Carmichael ranch. The channel will be approximately 50 ft. in width. Construction will be done by force account under the direction of the county surveyor.

CRESCENT CITY, Del Norte Co., Cal.—Election will be held Nov. 10 in the proposed Crescent City Harbor District to officially organize the district with a view to improving the Crescent City Harbor involving dredging, construction of jetties, breakwaters, warehouses, etc. Emma Cooper is clerk of the board of supervisors.

HUNTINGTON BEACH, Orange Co., Cal.—Taggart Aston, consulting engineer, has prepared preliminary plans for construction of a breakwater at Huntington Beach. The project, supported by the local chamber of commerce, would be reinforced concrete construction, 1500 ft. in length, extending 400 ft. beyond the pier and would be built in 100-ft. sections. Bond election would be necessary to finance the work.

MARYSVILLE, Yuba Co., Cal.—E. C. Rubke, Marysville, at \$11,869.50 submitted low bid to U. S. Engineer Office, California Fruit Bldg., Sacramento, under Circular Proposal No. 23-83, Specifications No. 3758 to place five retaining walls along the banks of the Yuba River between Rubke Bend and a point near the Dantoni Orchard, about one mile above the town of Marysville.

Complete bids follow:
E. C. Rubke, Marysville.....\$11,869.50
Pacific Coast Const. Co., Sacramento.....12,710.25

Plans Being Figured—Bids Close Oct 5th.

DEPOT Cost \$—
GREENVILLE, Plumas Co., Cal.—Two-story frame and rustic freight and passenger depot.
Owner—Western Pacific R. R. Co., Mills Bldg., San Francisco.
Plans by Eng. Dept. of Owner (H. M. Smitten in charge).

IRRIGATION PROJECTS

FLORENCE, Ariz.—Randolph Irrigation District votes bonds of \$624,000 to finance construction of irrigation works on 9,600 acres. Project involves:
(1) 34 complete pumping plants and wells;
(2) 32,000 lin. ft. gunite lined canals and laterals;
(3) 76 turnout structures;
(4) 35 culverts.

Scott Engineering Co., 606 Ellis Bldg., Phoenix, Ariz., consulting engineers.

TURLOCK, Stanislaus Co., Cal.—Bids will be asked at once by directors of the Turlock Irrigation District for cement lining canals and miscellaneous irrigation structures in Improvement District No. 9, comprising 833 acres, 8 miles west of Turlock and for canal lining in Improvement Districts 43, the Clay Ditch, 57, the South Branch of the Eddy Ditch and 74, the Hayes-Jennings Ditch. Specifications obtainable from R. V. Meikle, chief engineer for the district.

STREET LIGHTING SYSTEMS

OAKLAND, Cal.—Until Oct. 8, 8:30 P. M., bids will be received by W. W. Chappell, city clerk, to install ornamental street lighting system in East 14th St. bet. 22nd Ave. and High St., involving 136 Duplex standards with underground system. Estimated cost, \$46,390. 1911 Act. Certified check 10% payable to city required with bid. Specifications on file in office of city clerk. Walter N. Frickstad, city engineer.

GLENDALE, Los Angeles Co., Cal.—Until 10 A. M., Oct. 5, bids will be received by city council to construct ornamental lighting system in Wing St., Maple St., Windsor Rd., Colorado St. and Porter St., involving single-light concrete standards, conduits, transformers, etc. 1911 Act. J. C. Albers, city engineer. G. E. Chapman, city clerk.

LOS ANGELES, Cal.—Newbery Electric Corp., 726 Olive Street, at \$84,451 submitted low bid to the Board of Public Works to install ornamental street lighting system in Third St., between Figueroa St. and Vermont Ave., etc., involving 65 Marbelite type S-253 standards and 153 Marbelite type 2500 standards together with underground system.

MODESTO, Stanislaus Co., Cal.—City Engineer Frank J. Rossi is preparing plans for ornamental electrolier system in Eleventh St., between K and Neeham Sts. Plans have been completed for a similar system in I St., between Twelfth and Seventeenth Sts.

BERKELEY, Alameda Co., Calif.—Proceedings have been started by the city council to install ornamental electrolier system in Fulton Street from Bancroft Way to Alston Way and on the east side of Oxford Street from Alston Way to Hearst Ave. Hollis R. Thompson is city manager.

SAN JOSE, Santa Clara Co., Cal.—Until Oct. 13, 8 P. M., bids will be received by John J. Lynch, city clerk, to improve First St. bet. San Salvador St. and Willow St., involving:
(1) 66 standard duplex electroliers;
(2) 61 cubic yards concrete;
(3) 8175 lin. ft. 1½-in. black wrought iron conduit;
(4) 8448 lin. ft. No. 8 B & S E cable, 5000-volt;
(5) 13 linear feet curb;
(6) 99 square feet sidewalk.

Certified check or bond 10% payable to city required with bid. Wm. Popp, city engineer.

MACHINERY AND EQUIPMENT

CLOVERDALE, Sonoma Co., Calif.—City trustees have voted to purchase a machine for painting parking lines in street areas.

MODESTO, Stanislaus Co., Cal.—Until Oct. 16, 2 P. M., bids will be received by E. D. Abbott, secretary of Modesto City Board of Education, Capital School Bldg., for purchase of the following transportation equipment:

1. One three-ton truck chassis, 165 to 185 wheelbase, equipped with six cylinder motor, 7 bearing crankshaft, 34x7.50 dual truck tires, four-wheel hydraulic brakes, four speed transmission.

2. One school bus body, 48 high school student capacity, cross seating.

a. Body builder will be required to lengthen chassis frame, and to furnish his own plans and specifications.
b. Alternate: Figures will be required for installing overhead baggage carrier.

No lump sum bids. Certified check 10% payable to Modesto City Board of Education or bond required with bid.

STOCKTON, San Joaquin Co., Cal.—Until October 19, 11 A. M., bids will be received by Eugene Graham, county clerk, to construct new ferry boat. Specifications and further information obtainable from Julius Manthey, county surveyor.

SACRAMENTO, Cal.—Until Oct. 8, 3 P. M., under Order No. 3779-1866, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Sane county, one pneumatic scaling hammer complete with full set of tools. Further information obtainable from above.

LOS ANGELES, Cal.—Until 12 M., October 5, bids will be received by the county purchasing agent, H. E. Russell, 132 N. Broadway, for furnishing laundry equipment to the county jail laundry in the Hall of Justice. Spec. No. 1607. The items are: (1) One C-38 chromium plated Unipress, or equal, air operated; (2) one, C-51 chromium plated Unipress, or equal, air operated; (3) one, 42-inch x 90-inch, M. D. Smith dry tumbler, or equal, with thermostatic control. Allowance to be made on one 38-inch, foot power Prosperity garment press. All items installed ready to operate. Payable after December 1.

OAKLAND, Cal.—F. H. Dailey Motor Co., 4117 E 14th St., at \$828.62 each awarded contract by city council to furnish four motor trucks for the City Street Department. Complete list of bids received noted in issue of Sept. 26.

MESA, Ariz.—Until 5 P. M., Oct. 6, bids will be received by the Mesa city council for furnishing one motor truck of 1½-ton capacity. Allowance to be made on Ford truck.

BERKELEY, Alameda Co., Calif.—Harron, Rickard and McCone, 1600 Bryant St., San Francisco, at \$2,313 awarded contract by Board of Education to furnish one used engine lathe for school department.

Herberts-Moore Machinery Co., 140 First St., San Francisco, at \$1,615, awarded contract to furnish used shaper.

RESERVOIRS AND DAMS

DALY CITY, San Mateo Co., Cal.—Until October 13, 8 P. M., bids will be received by B. C. Ross, city clerk, for improvements in connection with the municipal water reservoir, involving:

(1) furnish and place cement concrete in existing forms at the reservoir site on the top of hill south of the Crocker Estate Tract Subdivision.

(2) concrete lining of water reservoir.
Certified check 10% payable to city required with bid. Plans on file in office of clerk and obtainable from Geo. A. Kneese, engineer, Stafford Building, Redwood City.

TURLOCK, Stanislaus Co., Cal.—A. J. Wiley, engineer of Boise, Idaho, has been recommended by Roy V. Meikle, chief engineer of the Turlock Irrigation District, as consulting engineer in connection with the construction of the Groveland Dam and power plant project planned by the district. Preliminary surveys on the

project have already been started under a preliminary permit granted by the Federal Power Commission several months ago.

PIPE LINES, WELLS, ETC.

ARCADIA, Los Angeles Co., Cal.—Until 8 P. M., Oct. 6, bids will be received by city council for drilling of a 26-in. diameter well in accordance with specifications on file at the office of G. G. Meade, city clerk. Certified check or bond, 10%.

LINDEN, San Joaquin Co., Cal.—Voters in Linden Irrigation District defeat proposal to issue bonds of \$93,000 to finance construction of irrigation works, involving: Pumping plant; small dams and weirs; small check and spreading dams. Fred H. Tibbitts, engineer, Alaska Commercial Bldg., San Francisco. Issue lost by 16 votes. The vote was 250 in favor and 140 against, a two-third majority vote being required.

SEWERS AND SEWAGE DISPOSAL PLANTS

NEWPORT BEACH, Orange Co., Cal.—Bids will be asked about Jan. 1 by the city council to construct sewage disposal plant and sewer mains, including pumping station. Total estimated cost, \$185,000, 1931 Act.

Plans for the sewage disposal plant prepared by Currie Eng. Co., Andreson Bldg., San Bernardino. Plans for 10,000 ft. of 24-in. sewer mains and the pumping plant prepared by R. L. Patterson, city engineer. Plans will be submitted to the state for approval.

MODESTO, Stanislaus Co., Calif.—City council has adopted an ordinance appropriating \$40,000 to finance sanitary sewer and water lines extensions during the coming winter. The money will be taken from the General Fund. Frank J. Rossi is city engineer.

OKLAND, Cal.—W. J. Tobin, 527 Balfour St., Oakland, at \$13,385 awarded contract by county supervisors to construct a storm sewer in E 14th St. near 59th Ave. Project involves:

- (1) 1200 cu. yds. excavation for structures;
- (2) 850 cu. yds. rock borrow;
- (3) 580 cu. yds. concrete structure;
- (4) 113,000 lbs. reinforcing steel;
- (5) 1 catchbasin inlet;
- (6) 5 manhole frames and covers;
- (7) removal of existing bridges and cleaning site.

Complete list of unit and total bids follows:

(A) W. J. Tobin, Oakland.....	\$13,385.00
(B) L. J. Immel, Berkeley.....	14,200.00
(C) J. H. Fitzmaurice, Oakland.....	16,495.00
(D) R. B. McNair, Oakland.....	17,837.50
(A) (B) (C) (D)	
(1) \$ 70.00 \$150.00 \$150.00	\$250.00
(2) 160.00 30.00 150.00	225.00
(3) 12.00 19.00 13.50	13.50
(4) 0.35 .04 .04	.04
(5) 20.00 15.00 20.00	50.00
(6) 30.00 15.00 20.00	25.00
(7) 100.00 150.00 950.00	400.00

OROVILLE, Butte Co., Cal.—Until November 10, 2 P. M., bids will be received by C. F. Belding, County Clerk, to construct new septic tank at the county infirmary. Plans obtainable from J. A. Baumgarner, county engineer.

MISCELLANEOUS CONSTRUCTION

SAN JOSE, Santa Clara Co., Calif.—Robert E. McKee, 108 West Sixth St., Los Angeles, at approximately \$125,-

000 awarded contract by Southern Pacific Railroad to construct the Alameda Subway; concrete and steel construction; 62-ft. wide from curb to curb and 566 ft. in length.

WATER WORKS

SAN MATEO, San Mateo Co., Cal.—California Water Service Co. will commence installation immediately of a 10-in. water main in B St. from Baldwin Ave. to Fifth Ave. Estimated cost, \$9000.

GILROY, Santa Clara Co., Cal.—City council will call an election shortly to vote bonds of \$8,000 to finance drilling of a well and installation of a deep well pump in connection with the municipal water system. E. F. Rogers, city clerk. Raymond Fisher, city engineer, 74 N First St., San Jose.

SAN FRANCISCO—Until Oct. 15th 11 A. M., bids will be received by Constructing Quartermaster, Fort Mason to construct 1000 barrel steel oil tank with an all steel roof at Fort McDowell. Plans prepared by Constructing Quartermaster, Fort Mason.

LONG BEACH, Los Angeles Co., Cal.—City council will ask bids shortly for a quantity of cast iron water pipe for the city water department, involving:

- (1) 50,000 ft. 6-in. pipe;
- (2) 27,000 ft. 8-in. pipe;
- (3) 2,850 ft. 20-in. pipe.

Estimated cost, \$53,000.

OKLAND, Cal.—Until Oct. 5, 8:30 A. M., bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, 512 16th St., Oakland, to furnish 121,000 lb. ft. cast iron pipe as follows:

- (1) 34,000 ft. 4-in. cast iron pipe;
- (2) 65,000 ft. 6-in. do;
- (3) 22,000 ft. 8-in. do;

Specifications obtainable from secretary.

LOS ANGELES, Cal.—Pelton Water Wheel Co., 19th and Alabama Streets, San Francisco, submitted the only bid to city purchasing agent Sept. 23, for furnishing bypass valves, etc., under Specification No. 2593. Unit bid follows:

- (1) 4 6-in. cast steel needle bypass valves, \$515;
- (2) 1 6-in. 45-deg. flanged cast steel elbow, \$78;
- (3) 1 6-in. 45-deg. cast steel saddle nozzle, \$126;
- (4) 2 6x7 1/4-in. cast steel flanger spacers, \$38;
- (5) 3 6x17-in. do; \$2528.

COALINGA, Fresno Co., Cal.—E. J. McCroskey, city clerk, instructed by city council to advertise for bids to furnish and install a pump in Well No. 1 in connection with the Municipal water system.

OKLAND, Calif.—Complete list of bids received by the East Bay Municipal Utility District to furnish water meters will be found in a separate tabulation on page five of this issue.

LOS ANGELES, Cal.—Bids for furnishing steel pipe under Specifications No. 1546, opened by county purchasing agent, Sept. 21, follow:

- (1) 1100 ft. 2-in. galv. standard steel pipe;
- (2) 2500 ft. 3/4-in. galv. standard steel pipe, 14 ft. bdl.

Kelley Pipe Co., (1) \$17.50 (2) \$6.65. Santa Fe Pipe & Supply Co. (1) \$19.25 (2) \$6.65.

Griffith Pipe Co., Plant Rose Co., Crane Co., California Pipe and Supply Co., Thos. Haverty Co., Pacific Pipe and Supply Co., Ducommun Corp. and

California Hardware Co. submitted identical bids at (1) \$20.65 and (2) \$6.65. Taken under advisement.

MODESTO, Stanislaus Co., Calif.—City council has adopted an ordinance appropriating \$40,000 to finance sanitary sewer and water lines extensions during the coming winter. The money will be taken from the General Fund. Frank J. Rossi is city engineer.

SANTA ANA, Orange Co., Calif.—County supervisors will ask bids in about two weeks to construct water works units in the Westminster District for Orange County Water District No. 5, involving:

- (1) distributing system, involving approximately 17,000 feet cast iron pipe of 2-in., 4-in. and 6-in. dia.;
- (2) elevated steel tank and tower; tank capacity 100,000-gals.;
- (3) pumping plant equipment; capacity of between 350 and 400 gals.;
- (4) drill water well about 400 ft. deep and 14-in. diameter.

MONTEREY, Monterey Co., Cal.—Martin Murphy, 1321 Milvia St., Berkeley, at \$2,227.50 awarded the contract by board of trustees of Monterey Union High School District for furnishing and installing water main, hydrants and connections for the high school.

Complete bids follow:
Martin Murphy, Berkeley, \$2,227.50.
Bambar-Grand (approx.) \$2,300.
H. E. Conner (approx.) \$2,400.
P. L. Burr (approx.) \$2,700.
H. B. Coon (approx.) \$2,900.

SACRAMENTO, Cal.—Engineer H. D. Dewell, 55 New Montgomery Street, San Francisco, has completed plans for the construction of the Sacramento Municipal Filtration Plant and a call for bids will be issued by the city council probably next Thursday night. The project involves:

- (1) 3000 cu. yds. excavation;
- (2) 7758 cu. yds. reinf. conc., class A
- (3) 1230 lin. ft. expansion joints;
- (4) 11,300 lin. ft. construction joints;
- (5) 136 tons steel trusses;
- (6) 22 tons miscellaneous iron;
- (7) 25 tons corr. iron sheets, galv.;
- (8) 600 sq. ft. asbestos siding;
- (9) 830 lin. ft. pipe hand rail;
- (10) 270 lbs. copper flashing;
- (11) 3 squares, tar and gravel;
- (12) 65 sq. ft. steel sash;
- (13) 600 F.E.M. lumber, No. 1, Douglas fir.

Contract to furnish and drive 1870 piles (approximately 93,500 lin. ft. in all) in connection with this project was awarded last August to the Western Foundation Co., 308 W Washington St., Chicago, at \$675 lin. ft.

Fred J. Klaus is city engineer of Sacramento and Jas. B. Dean, city manager.

LOS ANGELES, Calif.—Los Angeles Metropolitan Water District votes bonds of \$220,000,000 Sept. 29 to finance construction of the Colorado River Aqueduct. According to F. E. Weymouth, chief engineer, engineering surveys and data have been completed and an immediate start will be made as soon as the bonds are sold. The first work to be done will be the sinking of shafts in connection with the tunnel work through the San Jacinto mountains near Banning where the main bore will be thirteen miles in length. The aqueduct will be 266 miles in length, including a terminal storage reservoir in Cajalco Hills and a diversion dam at Upper Parker Canyon. The aqueduct proper will embrace both steel pipe and uncovered sections. The chief engineer states that if satisfactory bids can be obtained contracts will be let for certain parts of the work. Otherwise, it is

presumed, he will do the work by day labor under his own supervision.

LOS ANGELES, Cal.—Until Oct. 6, 11 A. M., bids will be received by Thos. Oughton, city purchasing agent, for furnishing three ammunicators, type M. D. C. A. M. and three chlorometers, type M. S. F. M. or equal under Spec. No. 26118, for the playground and recreation department and to be delivered as follows: two of each to the L. A. Olympic swimming stadium, Exposition Park, and one of each to the Manchester swimming pool on South Hoover St.

BREA, Los Angeles Co., Cal.—City will vote on Oct. 22 (tentative date) a \$20,000 bond issue to finance replacing water mains with new and larger pipe. The 3-in. pipe will be removed and approximately 14,000 ft. of 4-in. pipe installed.

NEEDLES, Imperial Co., Cal.—Until October 6, bids will be received by H. J. Kane, city clerk, to furnish not later than October 20:

- (1) 2,400 ft. 8-in. C.I.H. and 1 per-caulked pipe;
- (2) 1,150 ft. 6-in. C.I.H. and S per-caulked pipe;
- (3) 1,000 ft. 4-in. C.I.H. and S per-caulked pipe;

Bids are also desired for a miscellaneous quantity of fittings. Further information obtainable from city clerk.

COALINGA, Fresno Co., Cal.—Until October 19, 7:30 P. M., bids will be received by E. J. McCroskey, city clerk, to furnish and install:

- (1) one deep well turbine pump completely installed on concrete and timber foundation; capacity of pump to be 1000-gal. per min., against a total head of 165 feet.
- (2) one motor to be not less than 60-hp., 440 volts, 3-phase, 60-cycle and the speed to be not more than 1800 revolutions per minute with no load. The motor to be an auto-start type, to be operated by means of a magnetic switch.

Certified check 10% required with bid. Specifications obtainable from city clerk.

PLAYGROUNDS & PARKS

SAN FRANCISCO—Until October 7, 2:30 P. M., bids will be received by Vera E. Young, Secretary, Playground Commission, 378 City Hall, to construct fencing and back-stop at the Margaret S. Hayward Playground, Golden Gate Ave. and Gough St., and for fencing one tennis court at the Bayview Playground, Third and Armstrong Sts. Certified check 10% payable to secretary required with bid. Specifications obtainable from Secretary.

PACIFIC GROVE, Monterey Co., Cal.—Directors of the Pacific Grove Chamber of Commerce have appointed a committee to secure lay-out plans and estimates of cost for a municipal golf course on land owned by the Del Monte Properties Co. The course will consist of 9 holes to be constructed immediately and a second 9 holes to be constructed later. The tentative cost, including land and equipment, is placed at \$40,000.

HANFORD, Kings Co., Cal.—City council plans to resurface tennis courts in Lacey Park. Estimates of cost are being prepared.

SANTA ROSA, Sonoma Co., Cal.—Santa Rosa Relief Committee proposes to spend \$10,000 in park improvements with a view of relieving unemployment. Of the total, \$2500

will be expended in Doyle Park; \$3000 for initial improvement of the new 9-acre Juillard Park; \$1500 for cleaning and beautifying the cemetery and \$4500 for cleaning Santa Rosa Creek.

STREETS AND HIGHWAYS

HUMBOLDT COUNTY, Cal.—Triangle Rock & Gravel Co., San Bernardino, at \$34,251.50 awarded contract by State Highway Commission to surface with untreated crushed gravel or stone, 8.9 miles in Humboldt County between Redwood Creek and Willow Creek. Complete list of unit and total bids on this project published in issue of Sept. 18.

MILL VALLEY, Marin Co., Cal.—Until Oct. 14, 8 P. M., bids will be received by Will Falley, town clerk, (821) to improve Thalia St., Euterpe St., and Manor Terrace and portion of Sidney St., involving:

- (1) 3740 cu. yds. excavation;
- (2) 2150 lin. ft. hyd. conc. curb, 6x12 inch;
- (3) 295 lin. ft. do; 6x9 in.
- (4) 52,950 sq. ft. hyd. conc. curb pave. 7x5x7 in.;
- (5) 1182 lin. ft. 6-in. vit. sewer;
- (6) 293 lin. ft. 4-in. do;
- (7) 58 lin. ft. 12-in. storm sewer;
- (8) 3 manholes;
- (9) 7 lampholes;
- (10) 2 conduit inlets;
- (11) 47 cu. yds. hyd. cons. retaining wall;
- (12) 1250 lbs. steel bar reinforcement;
- (13) 170 lin. ft. woven wire guard fence.

Estimated cost \$16,800, 1911 Act. Bond Act, 1915. Certified check 10% payable to city required with bid. Hussey & Belcher, engineers, Syndicate Bldg., Oakland.

VENTURA, Ventura Co., Cal.—Until Oct. 20, 10 A. M., bids will be received by county supervisors for surfacing with asphaltic macadam, 2-in. thick and 16-ft. wide, an area of 100,800 sq. ft. in Los Angeles Ave. from Simi to the county line. Specifications obtainable from Chas. H. Pettit, county surveyor.

CRESCENT CITY, Del Norte Co., Calif.—Delos Kemp, at \$56 cu. yd., awarded contract by county supervisors to furnish and deliver 1,000 cu. yds. rock for road improvements.

CALIFORNIA—Following contracts have been accepted by the California State Highway Commission:

Santa Barbara County—Contract for applying road oil and screenings on the road between Buckhorn Creek and Cuyama River. J. F. Knapp, Oakland, \$11,800. Accepted Sept. 22.

San Benito County—Contract for furnishing and applying heavy fuel oil to the shoulders on each side of the existing pavement between 1½ miles north of San Juan Bautista and Pajaro River. Granite Const. Co., Watsonville, \$6,300. Accepted Sept. 22.

Calaveras County—Contract for applying a bituminous surface treatment to the existing road between Murphy's and Big Trees on the Angels Camp-Markleeville lateral. Wm. J. Schmidt, contractor, \$18,000. Accepted Sept. 22.

San Barbara County—Contract for furnishing and applying heavy fuel oil to the shoulders on each side of existing pavement, between Zaca and Wigmore, Coast Highway. Santa Maria Const. Co., contractor, \$4,300.

Los Angeles County—Contract for constructing a graded roadbed and oiling the roadbed surface between Bailey's Ranch and Neenach School. Gibbons & Reed Co., Burbank, contractor, \$66,900. Accepted Sept. 23.

Imperial County—Contract for constructing a graded roadbed and placing a Portland cement concrete pavement bet. Holtville and East Highline Canal on the San Diego-Yuma highway. Jahn & Bressi Const. Co., Los Angeles, \$267,500. Accepted Sept. 23.

Trinity County—Contract for grading roadbed and placing untreated crushed gravel surfacing between Weaverville and Douglas City. H. H. Boomer, San Francisco contractor, \$20,900. Accepted Sept. 24.

Santa Clara County—Contract for constructing rock borders on each side of existing pavement between Gilroy and Pajaro River, Coast Highway. Granite Const. Co., Watsonville, contractor, \$10,600. Accepted Sept. 24.

SAN MATEO-SANTA CLARA COS. Cal.—Basich Bros., 20,550 Normandie Ave., Torrance, at \$406,625.35 submitted low bid to State Highway Commission Sept. 30 to grade and pave with Port. cem. conc. 6.2 miles bet. Redwood City and Oregon Ave. Complete list of lump sum bids follows:

(A) Basich Bros., Torrance.....	\$406,625
(B) Peninsula Paving Co., San Francisco.....	408,360
(C) Hanrahan Co., S. F.....	434,971
(D) Southern Calif. Roads Co.	456,600
(E) Fredrickson & Watson and Fredrickson Bros., Oakland.....	458,678
(F) N. M. Ball, Berkeley.....	473,459
(G) C. W. Wood, Stockton.....	482,069
(H) Healy-Tibbitts Const. Co., San Francisco.....	521,078

TRINITY COUNTY, Cal.—Skeels & Graham, Roseville, at \$27,097 submitted low bid Sept. 30 to State Highway Commission for grading 0.5 mile of approaches to the North Fork of the Trinity River Bridge near Helene. Complete list of lump sum bids follows:

(A) Skeels & Graham Roseville.....	\$27,097
(B) Calif. Const. Co., S. F.....	27,935
(C) R. L. Oakley, Palo Alto.....	29,373
(D) Condaules Const. Co., S. F.....	32,366
(E) C. W. Chittenden, Napa.....	32,673
(F) H. H. Boomer, S. F.....	36,794
(G) Peter McHugh, S. F.....	40,811
(H) F. O. Nighbert, Bakersfield.....	46,135
(I) Healy-Tibbitts Const. Co., San Francisco.....	50,954

HANFORD, Kings Co., Cal.—City council plans to resurface tennis courts in Yacey Park. Estimates of cost are being prepared.

ALAMEDA, Alameda Co., Cal.—Bids are being received by U. S. Bureau of Public Roads, foot of Dennison St., Oakland, for grading on Government Island, Alameda, involving 56,000 cu. yds. Plans obtainable from above office.

SAN BERNARDINO COUNTY, Cal.—George Herz & Co., Ltd., 310 Platte Building, San Bernardino, at \$36,572 awarded contract by U. S. Bureau of Public Roads for 1.156 miles of highway grading and structures on Section B, Route 68, Mill Creek National Forest Highway in the San Bernardino National Forest.

VALLEJO, Solano Co., Calif.—City Engineer T. D. Kilkenny preparing plans to pave National Alley between Butte and Brandeforte Streets. The work will be done under private contract by Louis Tagnon, 1735 Napa St., Vallejo.

GILROY, Santa Clara Co., Cal.—Union Paving Co., Call Bldg., San Francisco, at \$17,806.18 submitted low bid to city council to improve portions of Martin Lane, Monterey St., etc. Complete list of unit and total bids appear in a separate tabulation on page five of this issue.

SAN FRANCISCO.—D. C. McCabe, Call Bldg., at \$155 (\$775) submitted low bid to Board of Public Works to construct 5,000 sq. ft. artificial stone sidewalks in Brussels St. bet. Markness and Wilda Aves. Complete list of bids follows:

D. C. McCabe.....	\$155 (\$775)
E. Icardi.....	.16 (800)
M. J. Lynch.....	.17 (850)
M. Bertolino.....	.25 (1250)

REDWOOD CITY, San Mateo Co., Cal.—Until Oct. 19, 10 A. M., bids ill be received by E. B. Himmus, county clerk, for grading a portion of the Sneath road, lying within the San Pedro Rancho and the First Road District, involving:

- (1) 5700 cu. yds. clear and grade;
- (2) 8000 sta. yds. overhaul;
- (3) 140 lin. ft. culvert pipe installation;
- (4) 4 relinf. conc. culvert headwalls;
- (5) 16 relinf. conc. survey monuments.

Certified check or bidder's bond 10% payable to the County required with bid. Jas. S. James, county surveyor. Following scale of wages per diem to be paid on this project: Auto truck drivers, less than 2500 lbs., \$6; truck drivers, 2500 to 4500 lbs., \$6.50; truck drivers, 4500 to 6500 lbs., \$7; truck drivers, 6500 to 15,500 lbs., \$7.50; truck drivers, 15,500 to 20,500 lbs., \$8; truck drivers, 20,500 lbs. and over, \$8.50; 50-hp. tractors and under, \$8; engineers, tractors over 50-hp., hoisting, \$9; engineers, rollers, \$10; engineers, firemen and apprentices, \$7; laborers, \$5.50; steam shovel operators, \$10; steam shovel firemen and watchmen, \$7; steam shovel oilers, \$6; teamsters, \$6.50. Legal holidays, Saturdays and Sundays, where crafts work a five-day week, and other overtime, shall be paid at the rate of double time, all other crafts time and a half.

RIVERSIDE COUNTY, Cal.—Petrol Corp., 4029 Bandini Blvd., Los Angeles at \$1.65 per barrel, submitted low bid to District Engineer, State Highway Commission, San Bernardino, for 1.5 miles heavy fuel oiling to be furnished and applied to shoulders near Bendel's Corner. Other bidders were: Square Oil Co., \$1.63; Paulson & Martin, Inc., \$1.69; Gilmore Oil Co., \$1.98; Pacific Tank Lines, \$2.00.

SAN FRANCISCO.—Theo. Cohn, at \$656.25 submitted lone bid to Board of Public Works to improve south half of Wilder Street from Diamond Street easterly, involving:

- 75 lin. ft. armored conc. curb, \$1.25;
- 18 lin. ft. 6-in. V. C. P. side sewers, \$2.00;
- 150 sq. ft. asphalt concrete pavement, 2-in. asph. conc. surface on 6-in. class F concrete base, \$3.30.

SAN FRANCISCO.—Municipal Construction Co., Call Bldg., at \$753.80 submitted lone bid to the Board of Public Works Sept. 30 to improve Elk St. bet. Bosworth and Chenery Sts., involving:

- 96 lin. ft. armored conc. curb, \$1.50;
- 10 lin. ft. 6-in. V. C. P. side sewer, \$5.00;
- 1344 sq. ft. 6-inch class E concrete pavement, \$4.50.

SAN FRANCISCO.—E. J. Treacy, Call Bldg., at \$728.70 submitted lone bid to Board of Public Works Sept. 30 to improve Vienna St. bet. Silver and Excelsior Aves., involving:

- 10 lin. ft. armored conc. curb, \$1.50;
- 45 lin. ft. 6-in. V. C. P. side sewers, \$1.00;
- 738 sq. ft. 6-in. class E conc. pave., \$4.50;
- 748 sq. ft. asph. conc. pavement consisting of 1½-in. asph. concrete surface on 6-in. class F concrete base, \$4.50.

SAN FRANCISCO.—California Construction Co., Standard Oil Bldg., at \$735.50 submitted lone bid to Board of Public Works to improve Clarendon Ave. west of Stanyan St., involving:

- 62 lin. ft. armored conc. curb, \$1.50;
- 40 lin. ft. 6-inch V. C. P. side sewers, \$2.00;
- 1250 sq. ft. asph. concrete pavement consisting of 2-in. asph. concrete surface on 6-in. class F concrete base, \$4.50.

GILROY, Santa Clara Co., Calif.—Union Paving Co., Call Building, San Francisco, at \$17,806.18 awarded contract by city council to improve portions of Martin Lane, Monterey St., Casey St., Leavesley Road, etc., involving in the main 105,557 sq. ft. asphalt concrete pave., \$1.29; cement concrete gutters, curb and walks.

SAN JOSE, Santa Clara Co., Cal.—Until October 13, 11 A. M., bids will be received by Henry Pfister, county clerk, to improve Rosa, Burton, Younger, N-Second, 3rd and 4th Sts., in Supervisor District No. 3, involving 117,000 sq. ft. asphaltic concrete pavement. Plans obtainable from Robert Chandler, county surveyor.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—Until Oct. 16, 7:30 P. M., bids will be received by C. L. Smith, clerk, San Luis Obispo High School District, for asphaltic macadam pavement in Ida St. fronting high school grounds, Burch and Beck, engineers, San Luis Obispo. Wage rates (per diem) applying on this project follow: Common labor, \$4; skilled labor, \$5; truck drivers, \$5; tractor drivers, \$5; grader operators, \$6; foremen, \$7. One and one-half times the above rates per diem for overtime, legal holiday and Sunday work. Plans obtainable from the clerk or from the engineers at San Luis Obispo.

MODOC COUNTY, Cal.—Until Oct. 20, 2 P. M., bids will be received by C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, 461 Market St., San Francisco, for grading and structures on Section B of Route 12, Howard Gulch National Forest Highway, Modoc County National Forest, involving:

- (1) 37 acres clearing;
- (2) 33,500 cu. yds. unclassified excavation;
- (3) 194 cu. yds. unclassified excavation for structures;
- (4) 62,000 cu. yds. unclassified excavation for borrow;
- (5) 303,000 sta. yds. overhaul;
- (6) 7,571 miles finishing earth-graded road;
- (7) 82 cu. yds. concrete;
- (8) 1,784 lin. ft. corrugated metal pipe;
- (9) 750 lbs. reinforcing steel;
- (10) 20 right-of-way monuments.

Plans obtainable from the district engineer on deposit of \$10, returnable, checks for same to be made payable to Federal Reserve Bank of San Francisco.

SAN JOSE, Santa Clara Co., Cal.—County supervisors petitioned to construct county road from Bloomfield Ave. to Sheldon Ave. and thence to Davidson Avenue near Gilroy. Robert Chandler, county surveyor.

SAN RAFAEL, Marin Co., Cal.—P. S. Harless, San Quentin Road Box 594, San Rafael, at \$19,628.10 (\$0.193 sq. ft.) awarded contract by county board of supervisors to improve portions of the county highway, 10.7 miles, between Tamalpais valley and Siskin Beach on the Manzanita-Bollinas Road, involving 1,017,000 sq. ft. emulsified asphalt and screenings in place.

Complete bids follow:

- P. S. Harless, San Rafael, \$19,628.10 (\$0.193 sq. ft.).
- Highway Builders, San Anselmo \$19,933.20 (\$0.196).
- George French, Jr., Stockton, \$21,763.80 (\$0.214).
- Jack Casson, Hayward, \$22,984.20 (\$0.226).
- F. J. Main, Fairfax, \$23,085.90 (\$0.227).
- Lee J. Immel, Berkeley, \$23,187.60 (\$0.228).
- Healy-Tibbitts Const. Co. San Francisco, \$24,916.60 (\$0.245).

MILL VALLEY, Marin Co., Cal.—Until Oct. 7, 8 P. M., bids will be received by Will Falley, town clerk (812) to improve Sycamore Ave., involving:

- (1) 1130 cu. yds. of excavation;
- (2) 175 cu. yds. crushed rock base;
- (3) 1954 lin. ft. hyd. conc. curb;
- (4) 40,420 sq. ft. hyd. conc. pave.;
- (5) 564 sq. ft. oil macadam do.;
- (6) 44 lin. ft. 6-in. vit. san. sewer;
- (7) 529 lin. ft. 4-in. do.;
- (8) 199 lin. ft. 7x24-inch corr. metal and concrete arch culvert;
- (9) 3 manholes;
- (10) 4 handholes;
- (11) 8610 sq. ft. hyd. conc. sidewalk.

1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of the clerk.

HAYWARD, Alameda Co., Cal.—Rufus Gonsalves, C and Alice Sts., Hayward, at \$4,130.50 awarded contract by city council to construct sidewalks, driveways and parking areas on City H grounds. Project involves:

- 390 lin. ft. 8x4-in. concrete curb;
- 830 lin. ft. 8x10-in. concrete curb;
- 2000 sq. ft. concrete gutter, including grading;
- 5870 sq. ft. 6-in. concrete paving, including grading, in driveways;
- 6870 sq. ft. 6-in. concrete paving, including grading, in parking area;
- 4400 sq. ft. 3½-in. concrete sidewalk;
- 60 lin. ft. 4-in. tile drain;
- 560 lin. ft. 1½-in. conduit for electrolier system;
- 1120 lin. ft. cable;
- 3 electrolier standards to be moved and re-connected.

Complete list of bids follows:

Rufus Gonsalves.....	\$4,130
Jones and King.....	4,152
J. H. Fitzmaurice.....	4,472
Easterly and Taten.....	4,859
Nat Lena.....	4,859

SAN FRANCISCO.—Meyer Rosenberg, 1755 San Bruno Ave., at \$3,340 awarded contract by Board of Public Works to improve the race track in the Golden Gate Park Stadium. The bid follows:

- (a) clearing track, harrowing, furnish and spread clay and all incidental work, \$2,880.
- (b) furnish and install water pipe and fittings, \$460.

MENDOCINO COUNTY, Cal.—Peter McHugh, 363 Valencia St., at \$11,569.25 submitted lowest bid to District Engineer, State Highway Commission, San Francisco, to grade and surface San Francisco, to grade and surface with screened gravel 1.1 miles of highway through Boonville, Mendocino Co. Complete bids follow:

- Peter McHugh, San Francisco, \$11,569.25.
- Albert Helwig, Sebastopol, \$13,951.20.
- Charles N. Chittenden, Napa, \$14,161.95.

SAN JOAQUIN COUNTY, Cal.—Asphalt Paving Planning Co., 1737 Webster St., Oakland, at \$4,331.04 (\$0.043 sq. yd.) awarded contract by State Highway Commission for improving 8.8 miles between west boundary and a point near Banta, involving 100,722 sq. yds. of existing asphalt concrete surface to be planed. Com-

plete list of bids published in issue of September 16.

ORANGE COUNTY, Calif.—Oswald Bros., 306 E 59th St., Los Angeles, at \$111,494.50 awarded contract by State Highway Commission to grade and pave with Portland cement concrete, 4.3 miles between Fullerton and the west boundary. Complete list of unit and total bids received on this project published in issue of September 18.

CHURCHILL COUNTY, Nev.—Until Nov. 12, bids will be received by S. C. Durkee, State Highway Engineer, Carson City, for construction of a portion of state highway system in Churchill County between Lahontan and Leeleeville, 9.81 miles. Work consists of grading, construction of structures and placing of surfacing and material. Plans obtainable after Oct. 26 from Bureau of Public Roads, 461 Market St., San Francisco, the county clerk's office at Fallon, or State Highway Department at Reno upon deposit of \$15, of which \$10 is returnable. Certified check 5% required with bid.

PHOENIX, Ariz.—Maricopa county supervisors will ask bids shortly to furnish one carload of asphalt. Four bids, previously received, rejected as not complying with specifications. Bids will be asked for 140 barrels D asphalt of 40-50 penetration; bids to be f. o. b. Phoenix. Further information obtainable from county clerk.

SACRAMENTO, Cal.—County Engineer Chas. Deterding, Jr., is preparing plans for widening the grade on Freeport Blvd. Estimated cost, \$5000.

OAKLAND, Cal.—City Manager O'sian E. Carr has requested the Alameda County Supervisors to provide \$160,160 from the gasoline tax fund for Oakland arterial street projects including 12th St. dam, Harrison St., Foothill Blvd., Russett St., Belt Line Highway, Claremont Avenue, Park Blvd., East Tenth St., and the opening of 22nd St. The city will match with the county funds appropriated to finance the work. Walter N. Frickstad, city engineer.

COCONINO COUNTY, Ariz.—George Oswald, 336 E 58th St., Los Angeles, at \$96,600 submitted low bid Sept. 24 to U. S. Bureau of Public Roads at Grand Canyon, Ariz., for constructing a plant-mixed bituminous treated crushed rock or crushed gravel surface on Section D of the South Approach to Grand Canyon National Park, Tusayan National Forest. Project involves:

- (1) 28,500 cu. yds. of crushed rock or crushed gravel for subgrade reinforcement;
- (2) 120,000 cubic yds. hauling crushed rock or crushed gravel for subgrade reinforcement;
- (3) 24,000 tons bituminous treated crushed rock or gravel surfacing;
- (4) 35,000 gals. oiling sub-grade.

Three low bids on this project follow:
Geo. Oswald, Los Angeles. \$96,600
Henry Galbraith, Jerome, Arizona 101,875
Jack Casson, Hayward, Cal. 105,025
Award of contract has been recommended to the low bidder.

YUBA CITY, Sutter Co., Cal.—City council declares intention (398) to widen Plumas Street between Teegarden Ave. and Sumner St., involving grading, cem. conc. curbs and walks, 6-in. cem. conc. pavement. 1911 Act. Bond act 1915. Hearing Oct. 5. Beatrice Johnson, city clerk. Ed-ard van Geldern, city engineer.

FRESNO, Fresno Co., Calif.—Until October 16, 2 P. M., bids will be re-

ceived by D. M. Barnwell, county clerk, to furnish during the calendar year of 1932 not less than 125,000 or more than 175,000 barrels of road oil processed or unprocessed, the pure asphalt bitumen content to be not less than 58 per cent or more than 70 per cent.

Each bidder shall specify in his bid the asphaltic content of the product furnished and deliveries shall be allowed a tolerance on such content of not more than 5 per cent either way, providing no delivery be made containing less than 58 per cent asphalt.

Deliveries shall be made between the first day of June and the first day of November, 1932, at such time as the same are requisitioned by the said Board of Supervisors, provided that contractor shall not be required to deliver more than 40,000 barrels of oil in any one calendar month nor more than 2,400 barrels any one day.

One barrel hereunder shall be understood to contain forty-two gallons.

Bids shall be per barrel in carload lots f. o. b. shipping point, same to be designated in all bids, freight to be prepaid to all points in Fresno County and to be billed by adding freight to contract price at shipping point.

Factors to be considered in awarding bid are the quality of the oil as shown by the bid and the total cost of the oil as ultimately delivered f. o. b. Fresno.

All bids must be accompanied by a certified or Cashier's check payable to the County of Fresno in the amount of \$1,000.

STREET REPAVING HELP TO JOBLESS

The making over of old streets to accommodate modern traffic and the improvement of unpaved suburban streets is a much needed development in most of the cities that have expanded rapidly during the past decade, according to G. B. Sowers, commissioner of construction and engineering of Cleveland, and president of the city officials' division of the American Road Builders' Association.

"Much of the unemployment is in cities and street construction is a tried and tested method of relief," said Mr. Sowers. "Moreover, three-fourths of the money spent for equipment and materials is ultimately paid out for labor in the quarries, machine shops and factories.

"The poor streets of municipalities cost the taxpayers and motorists more than if the streets were improved. At the present time materials can be purchased at such bargain prices that the low cost tends to offset the interest charges if money is borrowed to improve the streets. There is an excellent market at the present time for good municipal bonds," he continued.

"In view of the economies possible at the present time and the urgent need for better streets, not to mention the relief of unemployment, it seems highly probable that many city councils will borrow money for street building and resurfacing," he concluded.

IRRIGATION BOARD ADOPTS WAGE SCALE

Directors of the Modesto Irrigation District have approved the rate of wages in connection with construction work undertaken by that body. As a whole, the scale adopted, will result in a slight decrease in the total wages paid.

The schedule, as adopted, follows:
Class B—Fifteen ditchtenders: First year, \$150 per month; second year, \$157; third year, \$165.

Class C—Ditchtender at Dry Creek flume and gatemen on upper main, assistant ditchtenders, 50 cents per hour to \$140 per month, according to service.

Class D—Pipe machine operator and pipe layer, \$6 per day.

Class E—Pipe bender, \$5.50 per day.

Class F—Construction and repair foremen, \$5 per day.

Class G—Dredger oiler, pump oiler, truck drivers, tractor operator, grader operator, gasoline pump operators, mixermen, pipe yardman, \$4.50 per day.

Class H—Trowel man, drain trap cleaners, gate repair men, form builders and teamsters, \$4.25 per day.

Class I—Wheelbarrow men, shovel men, pickmen, trimming for lining, painting gates, and weed men, \$4 per day.

Class J—Ditchtenders and others in service for ten years or more and who are physically disqualified to do regular service in construction may be assigned to minor duties at the rate of \$2.50-\$3 per day, with transportation allowance when the work is five miles or more from the employee's residence.

Employees assigned to work in classes D, E, F, G or H without previous service in the class are to be paid 25 cents per day less than the pay fixed for that class for a period of three months.

STEEL ORDERS IN 235,359 TON DIP

Unfilled orders of United States Steel Corporation as of August 31, showed a decrease of 235,359 tons to a total of 3,169,457, as against 3,404,816 on July 31, 3,479,323 on June 30, and 3,580,204 tons on August 31, 1930.

The back log of July 31 was 3,404,816 tons. On June 30, unfilled orders aggregated 3,479,323 tons, against 3,620,452 tons on May 31. On August 31, 1930, unfilled orders amounted to 3,580,204 tons.

Financial circles had been prepared for another decrease, but did little guessing as to the probable size of the change. In August, 1930, the back log dropped 441,851 tons and in the same month of 1929 it was off 429,966 tons.

Operations of the corporation averaged about 34 per cent of capacity last month.

ROAD SERVICE IS PUBLIC OBLIGATION

Highways are held as common property by the public and for that reason it is the duty of the public to supply the best possible facilities for vehicles, stated Jas. H. MacDonald, treasurer of the American Road Builders' Association, in a recent interview.

"Since the public has assumed the responsibility, there is a definite obligation to build roads and streets adequate for the vehicles. The public has practically debarred private capital from building roads, preferring to do that work itself.

"Transportation by motor vehicle has assumed the proportions of a gigantic industry—an essential industry, as the relative stability of motor vehicle manufacturing during the period of depression has proved. Motor vehicles must have roads and streets over which to travel with comfort, speed and economy just as a railroad must have a strong and safe roadbed over which to operate rolling stock.

"The provision of funds for building highways is a public responsibility and an obligation that must be met," he concluded.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
1412	Rulfs	Owner	15000
1413	Barker	Owner	7000
1414	Standard	Owner	3500
1415	Standard	Owner	3500
1416	Stelling	Philippis	4000
1417	Cole	Armbrust	4000
1418	Moore	Armbrust	4000
1419	Whitney	Marian	39500
1420	Rey	Frank	1995
1421	Peterson	Owner	4000
1422	Kaplanis	Star	7000
1423	Elkington	Owner	4500
1424	Johnson	Owner	4000
1425	Vertner	Horn	3500
1426	Lucassen	Owner	1100
1427	Koeppf	Owner	3000
1428	Martin	Owner	3000
1429	Parente	Owner	2000
1384	McKenna	Owner	1500
1385	Bluet	Blincoe	3000
1386	General	Owner	2500
1387	Goldkuhl	Latineu	3500
1388	Ohlsen	Owner	4000
1389	Union	Hauu	12000
1390	Livingston	Young	4000
1430	Janssen	Owner	4000
1431	Parodi	Owner	2500
1432	Bernicchi	Owner	2000
1433	Smith	Owner	3000
1434	Travaini	Owner	9000
1435	Risdon	Owner	10000
1436	Marian	Owner	8850
1437	Marian	Owner	8850
1438	Marian	Owner	8850
1439	Cowen	Owner	3500
1440	Golden	Isaac	4500
1441	Calvi	Franchia	11000
1442	Kastner	Owner	4250
1443	Doelger	Owner	16000
1444	Horn	Owner	3500
1445	Marando	Grazia	4000
1446	Allison	Owner	3250
1447	Bauer	Owner	1000
1448	Meyer	Owner	4000

FILM EXCHANGE

(1412) W HYDE 107 N Golden Gate;
two-story class B film exchange.
Owner—Theo. Rulfs, 2090 Pacific Ave.
Architect—A. H. Knoll, Hearst Bldg.
Cost, \$15,000

DWELLINGS

(1413) S MAYNARD 150 E Crant;
two 1-story and basement frame
dwellings.
Owner—H. B. Barker, 225 College Ave.
Plans by owner, each \$3500

DWELLING

(1414) E 45th AVE 225 N Kirkham;
one-story and basement frame
dwelling.

Owner and Builder—Standard Building
Co., 218 Castenada Ave.
Plans by Contractor, \$3500

DWELLING

(1415) E GIRARD 75 N Mansell; one-
story and basement frame dwell-
ing.

Owner and Builder—Standard Building
Co., 218 Castenada Ave.
Plans by Contractor, \$3500

STORE

(1416) N WEST PORTAL 331 West
Vicente; one-story frame store.

Owner—Stelling & Gould, 155 Mont-
gomery St.
Architect—E. B. Bertz, 210 Post St.
Contractor—V. Filippis, 666 Mission
Street, \$4000

DWELLING

(1417) W 26th AVE 225 S Kirkham;
one-story and basement frame
dwelling.

Owner—W. Cole,
Architect—Not Given.
Contractor—H. W. Armbrust, 2472 28th
Avenue, \$4000

DWELLING

(1418) E 15th AVE, 125 S Santiago;
two-story and basement frame
dwelling.

Owner—E. H. Moore,
Architect—Not Given.
Contractor—H. W. Armbrust, 2472 28th
Avenue, \$4000

DWELLINGS

(1419) W 33rd AVE 25 N Lay ton;
ten 1-story and basement frame
dwellings.

Owner—Whitney Investment Co., 1067
Market St.
Plans by Contractor,
Contractor—Marian Realty Co., 1067
Market St. each \$3950

ALTERATIONS

(1420) N PARK 93 E Leese; altera-
tions to flats.

Owner—E. Rey, 2049 San Jose Ave.
Architect—Not Given.
Contractor—C. Frank Co., 305 Bocana.
\$1995

DWELLING

(1421) S MONTEZUMA 90 E Casa
Ave.; 2-story and basement frame
dwelling.

Owner—G. L. Peterson, 12 Montezuma.
Plans by Owner, \$4000

DWELLING

(1422) SE COR. PRESIDIO AVE. and
California St.; two-story and base-
ment stores and dwelling.

Owner—G. Kaplanis, 3195 California.
Architect—Not Given.
Contractor—Star Concrete Co., 3124
Geary St. \$7000

DWELLING

(1423) W 14th AVE, 175 N Vicente;
one-story and basement frame
dwelling.

Owner—G. J. Elkington & Sons, 330
Vicente.
Plans by S. A. Colton, \$4500

DWELLING

(1424) W 17th AVE 125 S Vicente;
one-story and basement frame
dwelling.

Owner—S. F. Johnson, 2601 17th Ave.
Architect—C. F. Strothoff, 2674 15th St.
\$4000

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - California

DWELLING

(1425) W 23rd AVE 60 N Vicente; 1-
story and basement frame dwell-
ing.

Owner—G. R. Vertner,
Architect—Not Given.
Contractor—J. Horn, 5044 Mission St.
\$3500

ADDITION

(1426) 2660 DIAMOND ST.; addition
to dwelling.

Owner—J. Lucassen, 2660 Diamond.
Architect—Not Given, \$1100

DWELLING

(1427) W 15th AVE 175 N Vicente; 1-
story and basement frame dwell-
ing.

Owner—H. Koepff, 155 Alma.
Architect—Not Given, \$3000

DWELLING

(1428) W 24th AVE 100 S Kirkham;
one-story and basement frame
dwelling.

Owner—E. B. Martin, 1462 19th Ave.
Architect—Not Given, \$3000

STORE

(1429) S VANDEWATER 51 W Powell;
one-story and basement frame
store.

Owner—A. Parente, 418 Francisco.
Plans by Owner, \$2000

ADDITION

(1384) 741 WEBSTER ST.; addition
to dwelling.

Owner—F. McKenna, 741 Webster St.
Architect—Not Given, \$1500

DWELLING

(1385) W 15th AVE 75 N Wawona; 1-
story and basement frame dwell-
ing.

Owner—J. J. Bluet, 3183 Mission St.
Plans by Owner.
Contractor—C. O. Blincoe, 2663 15th
Avenue, \$3000

SERVICE STATION

(1386) NW COR. ARMY and Valen-
cia Sts.

Owner—General Petroleum Corp., Farr
Terminal, Oakland.
Plans by Owner, \$2500

ALTERATIONS

(1387) 430 BOWDOIN AVE; alter
front of dwelling.

Owner—G. L. Goldkuhl, 430 Bowdoin
Avenue.
Architect—Not Given.
Contractor—E. W. Latineu, R F D No.
1, Box 122E, Colma, \$3500

DWELLING

(1388) NW COR. SALA TERRACE
and Ellington; 1-story and base-
ment frame dwelling.

Owner—H. J. Ohlsen, 2869 Harrison St.
Architect—Not Given.
Contractor—A. H. Ohlsen, 481 Eddy
Street, \$4000

ALTERATIONS

(1389) W YORK bet. 19th and 20th;
alterations to manufacturing plant.

Owner—Union Trust Co., Market St.
and Grant Ave.

Engineer—G. C. Haun, 6410 Regent St.
Oakland.
Contractor—C. C. W. & H. H. Haun,
666 Mission St. \$12,000

STORE

(1390) N HAIGHT 152 W Ashbury;
one-story frame store.

Owner—L. Livingston, Russ Bldg.
Architect—Beriz, Winter & Maury, 110
Post Street.
Contractor—Young & Horstmeier, 461
Market St. \$4000

(1430) SW COR. CARRILLO and 37th
Ave.; 1-story and basement frame
dwelling.
Owner—E. A. Janssen, 811 Hearst
Bldg.
Architect—Not Given. \$4000

DWELLING
(1431) N CARROLL 25 W Phelps; 1-
story and basement frame dwell-
ing.
Owner—P. Parodi, 2864 San Bruno Av-
enue.
Architect—Not Given. \$2500

DWELLING
(1432) W NAPLES 75 N Brazil Ave.;
one-story and basement frame
dwelling.
Owner—C. Bernicchi, 386 Naples.
Plans by J. L. Bisio, 227 Brazil. \$2000

DWELLING
(1433) E 33rd AVE 175 N Judah; 1-
story and basement frame dwell-
ing.
Owner—C. Smith, 866 36th Ave.
Architect—Not Given. \$3000

DWELLING
(1434) W WEBSTER 125 N Bay; 2-
story and basement frame dwell-
ing.
Owner—S. Travaini, 849 Laguna Hon-
da Blvd.
Architect—Not Given. \$9000

DWELLINGS
(1435) S BAY 50 W Octavia; two 2-
story and basement frame dwell-
ings.
Owner—Risdon Bros., 735 Marina Blvd.
Plans by Owner. each \$5000

DWELLINGS
(1436) W 26th AVENUE 25 S Moraga;
three 1-story and basement frame
dwellings.
Owner—Marian Realty Co., 1067 Mar-
ket Street.
Plans by Owner. each \$2950

DWELLINGS
(1437) W 26th AVE 25 N Moraga;
three 1-story and basement frame
dwellings.
Owner—Marian Realty Co., 1067 Mar-
ket Street.
Plans by Owner. each \$2950

DWELLINGS
(1438) E 26th AVENUE 25 S Moraga;
three 1-story and basement frame
dwellings.
Owner—Marian Realty Co., 1067 Mar-
ket Street.
Plans by Owner. each \$2950

DWELLING
(1439) W 22nd AVE 280 S Vicente; 1-
story and basement frame dwell-
ing.
Owner—S. Cowen, 1123 Taraval.
Plans by Owner. \$3500

DWELLING
(1440) SW COR. 24th AVENUE and
Lawton; one-story and basement
frame dwelling.
Owner—Golden Gate Bldg. Co., are
contractor.
Architect—Travis & Colton, 426 41st
Avenue.
Contractor—H. H. Isaac, 1662 Page St.
\$4500

DWELLING
(1441) S MARINA BLVD. 250 E Fill-
more; 2-story and basement frame
dwelling.
Owner—P. J. Calvi, 21 Columbus Ave.

Architect—J. A. Porporato, 619 Wash-
ington St.
Contractor—Franchia & Truffelli, 2450
Chestnut St. \$11,000

FLATS
(1442) S 17th 37 E Corbin Place; two-
story and basement frame (2) flats
Owner—M. Kastnar, 4399 17th St.
Plans by G. L. Plov, 2195 Mission St.
\$4250

DWELLINGS
(1443) W 25th AVE 168 N Noriega;
four 1-story and basement frame
dwellings.
Owner—H. Doelger, 300 Judah St.
Architect—B. K. Dobkowitz, 425 Mont-
erey Blvd. each \$4000

DWELLING
(1444) N ADMIRAL AVE. 30 Ale-
many Blvd.; one-story and base-
ment frame dwelling.
Owner—J. Horn, 5044 Mission St.
Architect—Not Given. \$3500

DWELLING
(1445) NE COR. DEL MONTE and
Mount Vernon; 1-story and base-
ment frame dwelling.
Owner—R. Marando, 20 Lee Ave.
Plans by C. Baker.
Contractor—G. D. Grazia, 1141 Broad-
way. \$4000

DWELLING
(1446) N KIRKHAM 82 W 25th Ave.;
one-story and basement frame
dwelling.
Owner—Allison & Beck, 1312 Fulton.
Plans by Contractor. \$3250

SHED
(1447) KEITH bet. Armstrong and
Yosemite; one-story frame shed.
Owner—A. Bauer, Keith and Arm-
strong.
Architect—Not Given. \$1000

DWELLING
(1448) W JUANITA 309 N Marne; 1-
story and basement frame dwell-
ing.
Owner—Meyer Bros., 727 Portola Dr.
Plans by Owner. \$4000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY			
No.	Owner	Contractor	Amt.
213	Stelling	Filippis	5788
214	P T & T	Judson	25378
215	War Memorial	Monarch	31711
216	Rulfs	Jensen	19875
217	Convent	Langlais	7049
218	Gerrick	Burgess	6775
219	War Memorial	Stonetex	17995

JOB NO. 1443.
(213) N WEST PORTAL 331 W Vi-
cente; all work on Job No. 1443.
Owner—Stelling and Gould, Ltd., 155
Montgomery St.
Architect—Beriz, Winter & Maury, 210
Post Street.

Contractor—V. Filippis, 269 24th Ave.
Filed and Dated Sept. 24, '31.
5th day of each month.....75%
Usual 35 days.....25%
TOTAL COST, \$5,788
Bond, \$2,894. Sureties, National Sure-
ty Co. Forfeit, \$10 per day. Limit,
50 days. Plans and Spec. filed.
1861 '92 Aquirados

STEEL AND IRON WORK
(214) SE PINE and Steiner Streets;
structural steel and iron work for
two stories and basement for an
ultimate five-story building with
pent house on roof.
Owner—The Pacific T. & T. Co.
Plans by E. V. Cobby.
Contractor—Judson - Pacific Co., 609
Mission St., San Francisco.
Filed Sept. 24, '31. Dated Sept. 21, '31.
When frame is up.....95%

After completion.....5%
TOTAL COST, \$25,878
Plans and Spec. filed.

IRON WORK
(215) BLOCKS bounded by Van Ness
Avenue, Franklin, McAllister and
Grove Sts.; all miscellaneous iron
work for both Opera House and
Veterans' Bldg. of the War Mem-
orial of San Francisco.
Owner—The Board of Trustees of the
War Memorial of San Francisco.
Architect—Arthur E. Brown, Jr., and G.
A. Lansburgh, 251 Kearny St.
Contractor—Herman Hallensleben as
Monarch Iron Works, 262 7th St.
Filed Sept. 25, '31. Dated Sept. 19, '31.
Tenth of each month.....75%
Usual 35 days.....25%
TOTAL COST, \$31,711
Bond, \$15,856. Sureties, Detroit Fi-
delity & Surety Co. Limit, 150 days.
Plans and Spec. filed.

FILM EXCHANGE BLDG.
(216) W HYDE 775 N Golden Gate
Ave N 30xW 137-6. All work for
two-story Class E reinforced con-
crete film exchange building.
Owner—Theodore E. Rulfs, 2090 Pacifi-
c Ave., San Francisco.
Architect—Andrew H. Knoll, Hearst
Bldg., San Francisco.
Contractor—G. P. W. Jensen, 320
Market St., San Francisco.
Filed Sept. 28, '31. Dated Sept. 24, '31.
30 days frame date hereof and
every 15 days thereafter.....75%
Usual 35 days.....25%
TOTAL COST, \$19,875
Bond, \$19,875. Surety, Detroit Fidelity
& Surety Co. Limit, Dec. 25, 1931.
Forfeit, \$20. Plans and specifications
filed.

HOME OF GOOD SHEPHERD.
(217) E CAMBRIDGE ST — S Felton
All work for Home of Good Shep-
herd.
Owner—Convent of Good Shepherd, a
Corp.
Architect—H. A. Minton, Underwood
Bldg., San Francisco.
Contractor—Charles A. Langlais, 472
Tehama St., San Francisco.
Filed Sept. 28, '31. Dated Sept. 12, '31
Payments being made under
general conditions of specifica-
tions.....

TOTAL COST, \$7049
Bond, \$7049. Surety, Aetna Casualty
& Surety Co. Limit, Feb. 1, 1932.
Forfeit, \$50. Plans and specifications
filed.

SANDBLASTING & PAINTING
(218) ON EMBARCADERO; sand-
blasting and painting of structural
steel.
Owner—Joe Gerrick & Co., 74 New
Montgomery St.
Plans by State Board of Harbor Com-
missioners.
Contractor—D. E. Burgess, 282 7th St.
Filed Sept. 30, '31. Dated Sept. 28, '31
To be made in accordance with pay-
ments allowed general contractor,
M. B. McGowan.

TOTAL COST, \$6775
Bond, \$6,775. Sureties, U. S. Fidelity
& Guaranty Co.

CAST STONE WORK
(219) TWO CITY BLOCKS bounded
by Van Ness Ave., Franklin St.,
McAllister and Grove Sts., includ-
ing Fulton St. and Ash St. bet.
Van Ness Ave. and Franklin and
Birch Sts.; furnish and install all
cast stone work for the Veterans'
Bldg. of the War Memorial of San
Francisco.
Owner—The Board of Trustees of the
War Memorial of San Francisco.
Architects—A. Brown, Jr., and G. A.
Lansburgh, 251 Kearny St.
Contractor—Stonetex Corp., Carroll
and Ingalls.

Filed Sept. 30, '31. Dated Aug. 5, '31.
On tenth of each month 75%
Usual 35 days 25%
TOTAL COST, \$17,995
Bond, \$8,997.50. Sureties, Massachusetts Bonding & Ins. Co. Limit, 225 days. Plans and Spec. filed

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
Sept. 23, 1931—LOT 42 BLK 2014 Laguna Honda Park Addition, John V Campbell to whom it may concern.....Sept. 23, 1931
Sept. 24, 1931—NW SEARS ST 25 W Lawrence St. A Pistochini to Wm J Hummer.....September 24, 1931
Sept. 24, 1931—N RAYMONT AVE 150 E Delta 25x100, Harry Apie to whom it may concern.....September 23, 1931
Sept. 24, 1931—W JOICE 82-6 S Clay S 25 x W 56. Wong Shue to whom it may concern.....Sept. 18, 1931
Sept. 24, 1931—NE ROUSSEAU 50 NW Cayuga Ave NW 50 x NE 75. Lorenzo Besio to whom it may concern.....September 23, 1931
Sept. 24, 1931—NE HAYES and Baker 75 on Baker 107-6 on Hayes. Rearden T and M H Lyons and The Texas Co to Empire Const Co.....September 19, 1931
Sept. 24, 1931—W 17th AVE 175 S Moraga S 25 x W 120 OL 877. Nathaniel Thompson to whom it may concern.....September 22, 1931
Sept. 25, 1931—LOTS 1, 2 and 3 BLK 2372 map Sub No 1, Miraloma Plk and ptn of San Miguel Rancho ptn Lansdale Ave now closed desc'd: SE Lansdale Ave dist SW 31-505 from NE line lot 1 NE 33-023 S 660 E 88-91 m or l to pt dist S 240 W 75 from SW Juanita Way measured on line drawn parallel with perpen dist NW 20-50 from SE line lot 5 S 240 W 33 x N 660 W 89-5 to beg. Meyer Bros to whom it may concern.....September 22, 1931
Sept. 23, 1931—LOT 5 BLK 2958 map Sub No 4, Miraloma Park. Meyer Bros to whom it may concern.....September 22, 1931
Sept. 23, 1931—W 15th AVE 225 N Rivera N 25 x W 120 OL 1042. E A Anderson to whom it may concern.....September 22, 1931
Sept. 23, 1931—E MARKET ST and Ecker NE 100 x SE 155. Crocker Estate Co to Pacific Tile & Roofing Co.....September 22, 1931
Sept. 23, 1931—S SILVER AVE 30 E Madison. Sherry Bros to whom it may concern.....September 22, 1931
Sept. 23, 1931—LOT 10 BLOCK 139 Brown Est Co ptn University Md. Daniel Hayes as Blendes Plumbing Supply Co to L B and Pauline Terlip and J G Lehman, Wm Carmichael.....September 22, 1931
Sept. 23, 1931—E SILVER AVE 30 E Madison E 25 x S 100 blk 139 map Brown Est Co Sub ptn University Md. Paul Messner, California Terrazzo Marble Co, Sudden Lumber Co to L B Terlip.....September 22, 1931
Sept. 22, 1931—N HEARST AVE 275 E Foerster. Henry Erickson to whom it may concern.....Sept. 18, '31
Sept. 22, 1931—N NORTH POINT 180 E Webster 25x137-6. Risdon Bros to whom it may concern.....September 24, 1931
Sept. 22, 1931—E 33rd AVE 75 N Vicente N 50 x E 120 OL 1295. Jesse Horn to whom it may concern.....September 22, 1931
Sept. 23, 1931—W KANSAS 200 N 18th 25x100. John and Matilda Kambe to whom it may concern.....Sept. 15, 1931
Sept. 23, 1931—S TWENTY-SIXTH 25 W Castro W 25.10xS 80. Mar-

shall T Struthers to whom it may concern.....Sept. 23, 1931
Sept. 28, 1931—E MISSISSIPPI 368 S 22nd 25x100. Emil Credel to Ernest Lombardi.....Sept. 26, 1931
Sept. 28, 1931—W THIRTY-SEVENTH AVE 108-3 S Anza 25x 100; W 37th Ave 83-3 S Anza 25x90x 8-2x16-9x30x120. Peder P Johnson to whom it may concern.....Sept. 28, 1931
Sept. 28, 1931—SW SCOTT AND Beach 50x87-6. Thos and Alvon Quidast to whom it may concern.....Sept. 28, 1931
Sept. 28, 1931—E THIRTY-THIRD AVE 125x Kirkham N 25x E 120. W S Brien to Aetna Constr. Co.....Sept. 25, 1931
Sept. 28, 1931—W EDINBURGH 225 S Brazil Ave 25x100. Marie Oden-thal to whom it may concern.....Sept. 10, 1931
Sept. 28, 1931—E 24TH AVE 200 S Moraga 25x120. Robt W and M Hancock to whom it may concern.....Sept. 28, 1931
Sept. 28, 1931—W DIVISADERO 113 S Walla S 27xW 100 W A 520. D E and M E Hayden to whom it may concern.....Sept. 23, 1931
Sept. 28, 1931—E MISSION 162 m or l from inter with S Brazil Ave S 138 E 183-6 N 125 W 100 N 13 W 83-6 to beg. Excelsior Amusement Co, Inc to W M Derbyshire as Ace Sheet Metal Works and Clinton-Stephenson Const Co, Ltd (two completions).....September 22, 1931
Sept. 26, 1931—S 16th 266 E Dolores E 32-6 x S 100 M B 38. Morris Hoffman to O K Holt.....September 25, 1931
Sept. 26, 1931—E 30th AVE 275 S Lawton 25x120. A, J, F and E Johnson to whom it may concern.....September 25, 1931
Sept. 28, 1931—NW APTOS AVE dist 6 SW from pt inter thereof with NE line lot 14 blk 3267. NE 33 N 56 deg 38 min 50.2 sec W 100 SW 36-513 S 55 deg 13 min 19.9 sec E 100 to beg ptn lots 13 and 14 blk 3267 map blks 3260 to 3269 Balboa Terrace Addn; W 24th Ave 75 N Santiago N 25 x W 95 OL 1098; W 24th Ave 100 N Santiago N 25 x W 120 OL 1098. Castle Bldg Co to Henry Horn.....September 21, 1931
Sept. 29, 1931—W 35th AVE 125 S Balboa S 28 x W 120. Israel and Nettie Berg to Henry Erickson.....September 28, 1931
Sept. 29, 1931—E FLORIDA 175 and 200 S 20th, 835 and 841 Florida St. V R Laguens and S Larsen to whom it may concern.....Sept. 26, 1931
Sept. 29, 1931—NW ARLETA AVE and Alpha. J V and E Dickman to John Wright.....Sept. 23, 1931

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount
Sept. 24, 1931—E BELVEDERE 308-9 S Waller S 25 x E 121-10x N 25 W 121-6. Shirley Baker vs Jos and John Rawson.....\$163
Sept. 23, 1931—E WIESE PLACE 100 N 16th N 60 x E 30. Christenson Lumber Co vs Marie Denman and F B Neal.....\$106.09
Sept. 25, 1931—SW BRUSSELS 125 NW Olmstead NW 25 x SW 120. J A Hart vs J A Hart and Lumber Co vs W K Roesner and K W Oertel.....\$257
Sept. 25, 1931—E KEARNY ST 112 N Geary N 42 E 70 SE 42-3/4 E 75 to beg. M Cohen vs C E Nestor L O Nestor; R Silverstein and S Silverstein.....\$217.60
Sept. 24, 1931—SW BRUSSELS 125 NW Olmstead NW 25 x SW 120. J I Meeks vs W K Roesner and K W Oertel.....\$44

Sept. 24, 1931—960 BUSH STREET. E Matz vs N C O'Donnell.....\$192
Sept. 24, 1931—S GREENWICH 40 E Franklin E 60 x S 70. J H McCullum vs Laughlin Const Co, Charles Laughlin, Sarah Schwalbe, Surety Engineering Service, Inc, Globe Indemnity Co.....\$342.96
Sept. 29, 1931—NW PINE and Mason N 23 x W 62-6 to E Pine Place 50 v B 191. Roy Grant vs Carlos Fernandez.....\$115
Sept. 29, 1931—960 BUSH ST. Gus F Landini vs Glide Memorial Foundation, Evangelistic Center and J D McDonald.....\$256
Sept. 29, 1931—N BUSH 137-6 East Jones E 55 x N 137-6. J S Guerin & Co vs Board of Trustees of The Glide Foundation and N C O'Donnell.....\$128.50
Sept. 29, 1931—E 42nd AVE 250 S Geary S 25 x E 120. D L Allen vs Home Mutual Deposit Loan Co, F Salas, E Hix and J Hoxey.....\$50
Sept. 28, 1931—S CALIFORNIA 35 W Parker Ave S 87-63 m or l to ptn which is dist 626-8 N Euclid Ave E 37 N to S California W 38 m or l to beg WA 857. F Antonini & Co vs C D Ginney and J Weisslein.....\$90.00
Sept. 28, 1931—E WEISE PLACE 100 N 16th 130 x 60 x E 30. West Coast Lumber Co vs P F and M Denman, F B Neal as Sterling Const Co.....\$99
Sept. 28, 1931—N SACRAMENTO 68-8 E Franklin N 127-8/4 x E 6819 WA 495. Thos Brodie, Inc vs Hotel Monroe Co, Ltd, E Clemens Horst, D E, H and B Horst and E Clemens Horst, Jr.....\$210

BUILDING PERMITS

Alameda County

1117	Nylander	Owner	6000
1118	Iberico	Owner	6500
1119	Warn	Owner	4000
1120	Champrey	Owner	3400
1121	Allet	Kostl	2400
1122	Grodum	Owner	4000
1123	O'Leary	Haulman	1000
1124	Shaw	Owner	4500
1125	Lekas	Owner	1100
1126	Dolan	Owner	4500
1127	Quilitch	Owner	1500
1128	Coupe	Hauman	4000
1129	Frank	Owner	3000
1130	Caulfield	Anderson	5500
1131	Wadsworth	Flags	4000
1132	W M C A	Nordstrum	3000.00
1143	Havenscourt	Owner	4500
1134	Linton	Van Ness	5215
1135	Vaughn	Owner	2400
1136	Netherly	Owner	5000

DWELLING
(1117) No. 764 RIDGE ROAD, SAN LEANDRO. Two-story, six-room frame and stucco dwelling. Owner—Harold Nylander, 633 Montclair Ave., San Leandro. Architect—Not Given. \$6000
CLUB
(1118) No. 1349 HAYES ST., SAN LEANDRO. Spanish club, 40x 120 feet. Owner—Club Iberico, 1349 Hayes St., San Leandro. Architect—Not Given. \$6500
DWELLING
(1119) No. 939 LEE ST., SAN LEANDRO. One-story 6-room frame and stucco dwelling. Owner—Warn Bros., 419 E-Merle Ct., San Leandro. Architect—Not Given. \$4000

RESIDENCE

(1120) NO. 1913 ROSE ST., **BERKELEY**. One-story five-room one-family frame residence.
Owner—F. Champrey, 337 17th St., Oakland.
Plans by Geo. F. Dowling. \$3000

ALTERATIONS

(1121) NO. 2437 PIEDMONT AVE., **BERKELEY**. Alterations.
Owner—Mrs. J. N. Gillet.
Architect—Not Given.
Contractor—Matt L. Kostl, 47 Ramona Ave., Berkeley. \$3300

DWELLING

(1122) NO. 108 SHERIDAN ROAD, **OAKLAND**. Two-story six-room dwelling.
Owner—J. J. Grodem & Co., 1028 San Antonio Ave., Oakland.
Architect—Not Given. \$4000

ADDITION

(1123) NO. 2523 SCENIC AVE., **OAKLAND**. Addition.
Owner—J. O'Leary, 2523 Scenic Ave., Oakland.
Architect—Not Given.
Contractor—P. R. Haulman, 1243 Broadway, Oakland. \$1000

DWELLING

(1124) NO. 3990 WATERHOUSE RD., **OAKLAND**. One-story six-room dwelling.
Owner—Geo. H. Shaw, 1102 E-22nd St., Oakland.
Architect—Not Given. \$4500

ALTERATIONS

(1125) NO. 1642 SEVENTH Street, **OAKLAND**. Alterations and repairs.
Owner—M. Lekas, 1647 7th St., Oakland.
Architect—Not Given. \$1100

DWELLING

(1126) NO. 4963 PROCTOR AVE., **OAKLAND**. Two-story 6-room dwelling.
Owner—Leo J. Dolan, 770 Wesley Ave. Oakland.
Architect—Not Given. \$4500

DWELLING

(1127) 4036 CANON AVENUE, **OAKLAND**; one-story 4-room dwelling.
Owner & Builder—Emil Quilitch, 1515 Fruitvale Ave., Oakland.
Architect—Not Given. \$1500

DWELLING

(1128) NO. 400 LINCOLN AVE., **ALAMEDA**. Two-story 5-room frame and stucco dwelling.
Owner—Geo. W. Coupe, 1538 Webster St., Alameda.
Plans by Owner.
Contractor—P. R. Haulman, 1243 Broadway, Oakland. \$4000

ALTERATIONS

(1129) NO. 1347 PARK ST., **ALAMEDA**. Alterations, remodel store for creamery.
Owner—Russell Franck, 2950 Northwood Drive, Alameda.
Architect—Not Given. \$3000

DWELLING

(1130) NO. 2853 JOHNSON AVE., **ALAMEDA**. One-story six-room frame and stucco dwelling.
Owner—C. Caulfield, 1006 Pacific Ave., Alameda.
Architect—Walter H. Anderson, 1014 Doris Court, Alameda.
Contractor—Walter H. Anderson, 1014 Doris Court, Alameda. \$5500

DWELLING

(1131) NO. 1039 FOUNTAIN ST., **ALAMEDA**. Two-story 5-room frame and stucco dwelling.
Owner—Frances Wadsworth, Alameda.
Architect—Not Given.

Plans by Owner.

Contractor—J. S. Flagg, 2562 Redwood Road, Oakland. \$4000

ALTERATIONS

(1132) NO. 2010 AUSTIN WAY, **BERKELEY**. Alterations.
Owner—Y. M. C. A., Berkeley.
Architect—Walter Ratcliff Jr., Berkeley.
Contractor—David Nordstrom, 354 Hobart St., Oakland. \$30,000

CHURCH

(1133) W HAVENSCOURT BLVD 90 S Beck St., **OAKLAND**. One-story church building.
Owner—Havenscourt Lutheran Church Premises.
Architect—Not Given. \$4500

F

DWELLINGS

(1134) NO. 4333-4337 REDDING ST., **OAKLAND**. Two one-story five-room dwellings.
Owner—Linton & Peterson.
Architect—Not Given.
Contractor—Louis E. Van Ness, 4920 Park Blvd., Oakland. \$5215

RESIDENCES

(1135) NO. 1305-07 DERBY STREET, **BERKELEY**. Two one-story 4-room 1-family frame residences.
Owner—C. C. Vaughn, 1303 Derby St., Berkeley.
Architect—Not Given. \$1200 each

DWELLING

(1136) W PALOMA AVE 250 W Longridge Road, **OAKLAND**. Two story 5-room dwelling.
Owner—W. A. Netherby, 3653 Lyman Road, Oakland.
Architect—Not Given. \$5000

BUILDING CONTRACTS

Alameda County

No.	Owner	Contractor	Amt.
146	Howard	Johnson	26442
147	Regents	Empire	8400
148	Decker	Dawson	6938
149	Small	Constable	5200
150	Y M C A	Nordstrom	29239
151	Howard	Albertson	2615
152	Caulfield	Anderson	4600

WAREHOUSE

(146) FIRST and Market Sts., Oakland; general construction on one-story and steel warehouse.
Owner—Howard Terminal (a corp.)
Architect—Reed & Corlett, Oakland Bank Bldg., Oakland.
Contractor—S. G. Johnson, 4652 Dolores St., San Francisco.
Filed Sept. 25, '31. Dated Sept. 19, '31.
Progress payments on first of each month.
Balance usual 35 days.
TOTAL COST, \$26,442
including \$1250 fee for contractor's services.
Plans and Spec. filed.

BRIDGE & PAVEMENTS

(147) CAMPUS of the University of Calif., Berkeley; installing concrete bridge and pavements for Eschelman Hall.
Owner—The Regents of the University of California, Berkeley.
Architect—Geo. W. Keimig, 315 Montgomery St., San Francisco.
Contractor—Empire Const. Co., Ltd Shell Bldg., San Francisco.
Filed Sept. 25, '31. Dated Sept. 18, '31.
1st of each month.
Usual 35 days.
TOTAL COST, \$8400
Bond, Labor and Materials, \$5000; Performance, \$5000. Sureties, U. S. Guarantee Co. Forfeit, \$25 per day. Limit, 50 days. Plans and Spec. filed.

RESIDENCE

(148) SE EUCLID AVE. and Hawthorne Terrace, Berkeley; general construction on 2-story and basement frame and stucco residence.
Owner—Jessie-Lee F. Decker.
Architect—Wm. C. Ambrose, 605 Market St., San Francisco.
Contractor—J. Dawson, 1507 Lincoln St., Berkeley.

Filed Sept. 25, '31. Dated Sept. 10, '31.
When frame is completed.....\$1734.50
First coat of plaster.....1734.50
When completed.....1734.50
Usual 35 days.....balance
TOTAL COST, \$6938
Bond, \$3469. Sureties, Maryland Casualty Co. Forfeit, \$5 per day. Limit, 50 days. Plans and Spec. filed.

RESIDENCE

(149) W PTN LOT 8 BLK E, Montclair Estates, Oakland; general construction except hardware electric fixtures and hot air heater for residence.
Owner—F. A. Small, 44 Bellevue, Oakland.
Architect—Not Given.
Contractor—W. C. Constable, 2526 Myrtle, Oakland.
Filed Sept. 26, '31. Dated Sept. 24, '31.
When frame is up.....\$1175
When roof is on and building plastered.....1175
On completion.....1175
Usual 35 days.....1175
Second mortgage for.....300
Note for.....200
TOTAL COST, \$5200
Limit, 90 days. Plans and Spec. filed.

ALTERATIONS

(150) NE ALLSTON WAY and Milvia St., Berkeley; alterations to Y. M. C. A. Bldg.
Owner—Young Men's Christian Assn. of Berkeley.
Architect—W. H. Ratcliff, Jr., Mercantile Trust Bldg., Berkeley.
Contractor—David Nordstrom, 354 Hobart St., Oakland.
Filed Sept. 26, '31. Dated Sept. 25, '31.
1st of each month.....75%
Usual 35 days.....25%
TOTAL COST, \$29,239
Bond, \$29,239. Sureties, Hartford Accident & Indemnity Co. Forfeit, \$5 per day. Limit, 60 days. Plans and Spec. filed.

SPRINKLER SYSTEM

(151) FIRST and Market Sts., Oakland; installation of an automatic sprinkler system.
Owner—Howard Terminal (a corp.) 1st and Market Sts., Oakland.
Architect—Reed & Corlett, 1801 Bank of America Bldg., Oakland.
Contractor—Albertson - McCormick Sprinkler Co., 865 Mission St., San Francisco.
Filed Sept. 28, '31. Dated Sept. 25, '31.
Tenth of each month.....75%
less previous payments.
On completion sum efficient to increase payments to 75% of contract price.
Usual 35 days.....Balance
TOTAL COST, \$2615
Limit, 30 days.

RESIDENCE

(152) LOT 74 BLK F, Fernside Tract, Alameda; general construction on residence.
Owner—C. A. Caulfield, 1121 Central Ave., Alameda.
Architect—Not Given.
Contractor—Walter H. Anderson, 1014 Doris Court, Alameda.
Filed Sept. 28, '31. Dated Sept. 23, '31.
When frame is up.....\$1150
When rough plastered.....1150
When completion is filed.....1150
Usual 35 days.....1150
TOTAL COST, \$4600
Forfeit, \$1 per day. Limit, 90 days. Plans and Spec. filed.

COMPLETION NOTICES

Alameda County

Recorded	Accepted
Sept. 29, 1931—PTN LOT 10 BLK L Melrose Acres, Oakland. August Roseberg to August Roseberg.....	Sept. 26, 1931
Sept. 29, 1931—PTN LOT 31 BLK 3, Arlington Heights, Berkeley. Margaret M Weaver to Wiley T Vaughn.....	Sept. 28, 1931
Sept. 29, 1931—SW SUNNYHILLS Road and Grosvenor Place, Oakland. Myrtle H Hass to Larsen & Larsen.....	Sept. 20, 1931
Sept. 29, 1931—NO. 1417 ADA ST., Berkeley. John E Musgrave and Stephen R Tripp to whom it may concern.....	Sept. 28, 1931
Sept. 28, 1931—STATE HIGHWAY bet Livermore and Greenville, Alameda County. Dept of Public Works, Div of Highways, State of California to E Anderson & Son.....	September 24, 1931
Sept. 28, 1931—SECOND and Camella Sts, Berkeley. Fernside Blvd High to Lincoln Ave, Alameda. Southern Pacific Co to Hutchinson Company.....	September 22, 1931
Sept. 28, 1931—FIRST and Market Sts, Oakland. Howard Terminal (a corp) to S G Johnson.....	Sept. 25, 1931
Sept. 28, 1931—6116 CONTRA COSTA Road, Oakland. J H Donnelly to Gordon Marchant.....	Sept. 28, 1931
Sept. 26, 1931—1635 NINTH AVE., Oakland. Clint Wesley Miller to whom it may concern.....	September 25, 1931
Sept. 26, 1931—LOTS 23 and N 12 1/2 ft lot 22 blk 20, map of Regents Park No 8, Albany. Joe Vila to whom it may concern.....	Sept. 24, 1931
Sept. 25, 1931—964 LEO WAY, Oakland. Leslie C Dawe to Chas Dawe.....	September 26, 1931
Sept. 24, 1931—1719 PACIFIC AVE., Alameda. John Carlisle to W Jas Johnston.....	September 23, 1931
Sept. 25, 1931—LOTS 1 to 6 inc Blk 8, Daley's Scenic Park Tract. University Christian Church of Berkeley to whom it may concern.....	September 17, 1931
Sept. 25, 1931—NE 82nd and Ather-ton Sts, Oakland. The Roman Catholic Archbishop of San Francisco to Ernest Icardi.....	September 18, 1931
Sept. 25, 1931—STATE Highway bet Livermore & Greenville, Alameda County. Dept of Public Works, Division of Highways, State of California to E Anderson & Son.....	September 23, 1931
Sept. 25, 1931—3667 HIGH ST, Oakland. Al R Fulgham to James G Fisher.....	September 21, 1931
Sept. 24, 1931—NW 80th AVE 395 ft NE of Hillside St, Oakland. C F Lodge to whom it may concern.....	September 23, 1931
Sept. 24, 1931—NW 80th AVE 605 ft NE of Hill side St, Oakland. C F Lodge to whom it may concern.....	September 22, 1931
Sept. 23, 1931—781 ENSANADA AVE and 796 Vincente Street, Berkeley. Oakland California Towel Co to The John J Moore Co.....	September 22, 1931
Sept. 23, 1931—LOT 11 BLK G, Estudillo Estates, San Leandro. Louis Chigiotti to whom it may concern.....	September 16, 1931
Sept. 23, 1931—1968 HCOVER AVE., Oakland. John Fleming to Self.....	September 19, 1931
Sept. 22, 1931—2224 19th AVENUE, Oakland. Chas H Maueharan to R H Banning.....	September 15, 1931
Sept. 22, 1931—PTN PLOT 1, Subdiv of Stanton Acres, Eden Twp. Sam Finkelstein to C M Russell.....	September 19, 1931

Sept. 22, 1931—343 E 19th ST, Oakland. J A Kennedy and Raymond Salisbury to Geo T Williams.....	September 17, 1931
Sept. 22, 1931—NE FOOTHILL Blvd 200 ft SE of NW line of a certain 122-73 acre tract conveyed by Franklin Moss to Chas Moss dated Oct 7, 1861 and recorded in L of Deeds page 466, Oakland. H J and Goldie M Nichols to whom it may concern.....	September 18, 1931

LIENS FILED

Alameda County

Recorded	Amount
Sept. 25, 1931—PTN LOT 44 BLK 5 Resub of a pt of North Cragmont, Berkeley. J and M Klier vs John Smith, E R Converse.....	\$60.45
Sept. 25, 1931—SE PEARL ST 130 ft SW of Calhoun St, Alameda. Charles F Osgood vs Oscar Clifton Levo, Noble F Justice.....	\$27
Sept. 25, 1931—NE PEARL and Clay Sts, Alameda. L Scaramelli vs A C Levo and N F Justice.....	\$293.24
Sept. 25, 1931—SE PEARL ST 130 ft SW of Calhoun Street, Alameda. Brockhurst Tile Co vs Oscar C and Mabel E Levo, Noble F Justice.....	\$74
Sept. 25, 1931—NW CRAGMONT AVE 80 ft SE of Marin Ave, Berkeley. Brockhurst Tile Co vs Jack and Anna Smith and E R Converse.....	\$65
Sept. 25, 1931—1633 TREESTLE GLEN Road, Oakland. Melrose Bldg Materials Co vs Ross J Singrey, James L Rich, A J Marin.....	\$380.43
Sept. 25, 1931—LOT 32, Lakeshore Manor, Oakland. D Hastings, \$103.50; Rigney Tile Co, \$170; Mastercraft Tile & Roofing Co, \$221.50; T Hogan Co, \$219.85; Superior Metal Prod Co, \$121.50; vs R and Blance Singrey, J Rich.....	
Sept. 24, 1931—PTN LOT 21 BLK R, Paradise Park, Oakland. Western Roofing Co vs Pearl N Willis.....	\$139.50
Sept. 14, 1931—NE PEARL and Clay Sts, Alameda. Louis Sickler, \$32; J Simpton, \$125, vs A C Levo and Noble Justice.....	
Sept. 23, 1931—NE PEARL and Clay Sts, Alameda. F L Courtney, \$260; Robert Streiff, \$229.58 vs Oscar C Levo and Noble F Justice.....	
Sept. 23, 1931—SE PEARL ST north 130 SW Calhoun St, Alameda. C W Abbott Co, \$312.20; Loop Lbr & Mill, \$559.29; Swift Lbr Co, Inc, \$350.52, vs Oscar Clifton Levo and Noble F Justice.....	
Sept. 23, 1931—W UNION ST 112 ft S of Santa Clara Ave, Alameda. F L Courtney, \$350; Swift Lbr Co, Inc, \$260.21, vs Harold and Alice C Norton and Noble F Justice.....	
Sept. 23, 1931—NW UNION 150 SW Santa Clara Ave, Alameda. C W Abbott Co, \$213.15; Loop Lumber & Mill, \$177.83 vs Harold and Alice Norton and Noble F Justice.....	
Sept. 23, 1931—LOT 1, Trenor and Armstrong Tract, Oakland. Diane F and Lois A Swindell vs Frank Brophy, Jr and Frank P Brophy.....	\$175.62

Sept. 23, 1931—PTN LOT 44 BLK 5. Resub of a ptn of North Cragmont, Berkeley. Swift Lumber Co, Inc vs Jack Smith, Earle R Converse.....	\$93.97
Sept. 23, 1931—644 CRAGMONT AVE, Berkeley. W L Saxby vs Frank H and Beulah Felt.....	\$190
Sept. 23, 1931—LOT 32, Lakeshore Manor, Oakland. Tilden Lumber & Mill vs Ross J and B M Singrey, J Rich.....	\$260
Sept. 26, 1931—LOT 32, Lakeshore Manor, Oakland. Geo R Stoltz vs Ross J and Blanch Singrey, James L Rich.....	\$260
Sept. 26, 1931—978 PEARL ST, Alameda. Markus Hardware Co vs C C and Mabel E Levo, and N F Justice.....	\$67.30
Sept. 26, 1931—1663 TREESTLE Glen Road, Oakland. Frank H Clausen vs Ross and Blanche H Singrey, James L Rich.....	\$359
Sept. 26, 1931—6009 COLBY STREET, Oakland. A I Baker vs Sue G Van Osten.....	\$151.71

RELEASE OF LIENS

Alameda County

Recorded	Amount
Sept. 26, 1931—LOT 39 BLK 23, Resub of a ptn of North Cragmont, Berkeley. J Rinaldi to Claude D and Florence W Black.....	\$330

BUILDING CONTRACTS

SAN MATEO COUNTY

SCHOOL EAGLE HILL ST., Redwood City. All work for one-story frame and reinforced concrete school building. Owner—Redwood City School District, Redwood City. Architect—A. I. Coffey, et al, Phelan Bldg., San Francisco. Contractor—H. H. Larsen, 164 South Park, San Francisco. Filed Sept. 23, '31. Dated Sept. 22, '31. As work progresses.....	75%
Usual 35 days.....	25%
TOTAL COST, \$40,653 Bonds (2) \$20,326.50. Surety, Maryland Casualty Co of Baltimore. Limit, 130 working days. Forfeit, \$10. Plans and specifications filed.	
GARDING, ETC., ON ABOVE. Contractor—H. E. Casey Co, 307 B St., San Mateo. Filed Sept. 23, '31. Dated Sept. 22, '31. Payments same as above.....	
TOTAL COST, \$3000 Bonds (2) \$1500 each. Surety, Independence Indemnity Co. Limit, 26 working days. Forfeit, \$10. Plans and specifications filed.	

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
Sept. 24, 1931—LOT 6 BLK 24, Millbrae Highlands. Edmund J Har-	

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

grave et al to whom it may concern Sept. 23, 1931
 Sept. 24, 1931—LOTS 16 AND 17
 Lot 22, West San Mateo Con-
 stitutive March 1928 et al to whom
 it may concern Sept. 21, 1931
 Sept. 24, 1931—PART LOT 156, San
 Mateo Park, Ave L Edwards to
 E T Lister & Sons Sept. 18, 1931
 Sept. 24, 1931—NW LINDSAY AVE
 and Baden Ave, South San Fran-
 cisco G B Pasquetti to whom
 it may concern Sept. 24, 1931
 Sept. 24, 1931—LOTS 15 & 16 BLK
 28, Millbrae Highlands, Niels
 Schultz to Schultz Constr Co
 Sept. 23, 1931
 Sept. 26, 1931—PART LOT 1 BLK
 10, Burlingame Park, David Simp-
 son et al to G W Williams Co, Ltd
 Sept. 17, 1931
 Sept. 26, 1931—LOTS 17, 18 AND
 19, Willborough Place, San Mateo,
 G W Williams Co, Ltd to G W
 Williams Co, Ltd Sept. 24, 1931
 Sept. 26, 1931—LOTS 29 & 30 BLK
 8, Central Park, Harold G Jervis
 to whom it may concern
 Sept. 21, 1931
 Sept. 22, 1931—LOT 7 and Part Lot 6
 Blk 33, Belmont, J C Wells et al
 to whom it may concern
 Sept. 18, 1931
 Sept. 23, 1931—LOT 6 BLK B, Foy's
 Redwood Gardens, Wm E Griffin
 to Sam B Gass Sept. 21, 1931
 Sept. 23, 1931—PART LOT 7 BLK 5,
 Blossom Heath Manor, Castle
 Hleg Co to Henry Horn Sept. 19, 1931
 Sept. 23, 1931—LOTS 39 AND 40
 Blk 18, San Bruno Park, Fred B
 Smith et al to whom it may con-
 cern Sept. 22, 1931
 Sept. 23, 1931—LOTS 14, 15 AND 16
 Blk 7, Dumbarton, Fred E Garcia
 to R M Gordon Sept. 23, 1931
 Sept. 23, 1931—PART LOT 3 BLK
 7, Menlo Oaks, Olive Gladys
 Latters to W F Day Sept. 23, 1931

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
Sept. 23, 1931—LOT 10 BLK 36, Lyon & Hoag Sub., Burlingame, Acma Bldg & Supply Co \$101.26; J D Barr, \$224.84 vs G S Conger.....	
Sept. 25, 1931—LOT 4 BLK C, Foy's Redwood Gardens, Blendes Plum- bing Supply Co vs A Newmon \$145.68	
Sept. 26, 1931—PART RANCHO Corral De Terra, Palomares, Tony Terry vs Louis S Miguel.....\$35	
Sept. 26, 1931—LOT 3 BLK C, Foy's Redwood Gardens, Palo Alto Lumber Co vs George C Ogden.....\$283	

RELEASE OF LIENS

SAN MATEO COUNTY

Recorder	Amount
Sept. 24, 1931—LOCATION NOT Given, San Carlos Feed & Fuel Co vs Sam B Goss et al.....	
Sept. 25, 1931—LOCATION NOT Given, South City Lumber Co to Irving C Barshaw.....\$1442.55	

BUILDING PERMITS

PALO ALTO

RESIDENCE and garage, frame and
 stucco, \$7800; No. 3231 Bryant St.,
 Palo Alto; owner, Cleveland Smith
 935 Geary St., San Francisco; ar-
 chitect, Treichel & Goodpastor,
 1540 San Pablo Ave., Oakland.
 RESIDENCE and garage, frame and
 stucco, \$6000; No. 2251 Cowper St.,
 Palo Alto; owner, Alex B. Morris,
 1155 Lincoln Ave., Palo Alto; con-
 tractor, M. Klay, Menlo Oaks Dr.,
 Menlo Park.

RESIDENCE and garage, frame and
 stucco, \$3200; No. 911 Lincoln Ave.,
 Palo Alto; owner, Gus Meister,
 1050 Guinda St., Palo Alto.

BUILDING CONTRACTS

SANTA CLARA COUNTY

RESIDENCE
 LOTS 18 AND 19 Montecito Tract,
 San Jose, All work for one-story
 frame residence.
 Owner—P. Muetze, 82 Clayton St.,
 San Jose.
 Architect—W. E. Higgins, 19 North
 Second St., San Jose.
 Contractor—C. F. Keesling, 798 Cole
 St., Willow Glen.
 Filed Sept. 28, '31. Dated Sept. 28, '31.
 Frame up\$2518.75
 1st coat plaster on\$2518.75
 Building completed.....\$2518.75
 Usual 35 days.....\$2518.75
 TOTAL COST, \$10,075.00
 Bond, \$5037.50. Sureties, H. G. Kees-
 ling and Joe S. Keesling. Limit,
 Plans and specifications filed.

OBSERVATORY

LICK OBSERVATORY, University of
 California, Santa Clara County.
 All work for granite construction of
 walls on main building of Lick Ob-
 servatory.

Owner—The Regents of the Univer-
 sity of California, Berkeley.

Architect—Warren C. Perry, 250 Cali-
 fornia St., San Francisco.

Contractor—Cement Gun Constr. Co.,
 58 Sutter St., San Francisco.

Filed Sept. 24, '31. Dated Sept. 17, '31.
 Completed and accepted.....75%
 Usual 35 days.....25%

TOTAL COST, \$5170
 Bonds (2) \$3000 each. Surety, Har-
 ford Accident & Indemnity Co. Limit,
 20 working days from Sept. 17, 1931.
 Forfeit, none. Specifications only filed.

BUILDING PERMITS

REDWOOD CITY

DWELLING, frame, 4-room, bath and
 garage, \$2000; No. 1602 Oxford
 St., Redwood City; owner, G. B.
 Casaretto, 1304 El Camino Real,
 Redwood City.

DWELLING, frame, 5-room, bath and
 garage, \$2000; No. 253 Madison
 Ave., Redwood City, owner and
 contractor, Dolores Garcia.

BUILDING PERMITS

SAN JOSE

REPAIR fire loss, \$2270; No. 72-84 E-
 Second St., San Jose; owner, Karl
 W. Martin, 105 Clayton St., San
 Jose; contractor, Megna & Newell,
 Bank of Italy Bldg., San Jose.

RESIDENCE, frame, 6-room, \$4000;
 Park St. near Tilman St., San
 Jose; owner, S. Sima, 273 Ranier
 St., San Jose; architect, Chas. Mc-
 Kenzie, Twoby Bldg., San Jose;
 contractor, M. Perino, 148 Race
 St., San Jose.

RESIDENCE, frame, 6-room, \$5000;
 Riverside St. near Coe, San Jose;
 owner, M. Cunningham, 545 Mar-
 garet St., San Jose; contractor, G.
 McCrary, 1024 Clark Way, San
 Jose.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded	Accepted
Sept. 22, 1931—LOT 31 BLK 4, Palo Alto (South) Map of Laumeister Subd of Blk 4, Subd 7, Seale Tract Palo Alto, Cleveland Smith to Cleveland Smith.....Sept. 21, 1931	
Sept. 22, 1931—LOT 10 BLK 9, Ever-	

green Park, Palo Alto, Emma
 Lauder to C E Fennell Sept. 19, 1931
 Sept. 22, 1931—LOT 9 Tract No. 12
 Los Amigos, City of Willow Glen,
 E A Lennon to V F Vandansen.

Sept. 21, 1931
 Sept. 22, 1931—LOT 17 BLK 5, East
 San Jose Homestead Assn B Maps
 101, Nellie Tower Barnes frmlly
 Nellie Tower to Leo A Schutte.....

Sept. 17, 1931
 Sept. 22, 1931—PART LOT 31, River-
 side Park, San Jose, Adolph V
 Goldstein to Adolph V Goldstein

Sept. 15, 1931
 Sept. 22, 1931—LOT 20, Colonial
 Manor, San Jose, William H
 O'Neil to William H O'Neil.....

Sept. 22, 1931
 Sept. 22, 1931—LOT 17 AND SW ¼
 Lot 16 Blk 2, McCullagh Tct, Los
 Gatos, Anton M Jensen to Anton
 M Jensen.....Sept. 22, 1931

Sept. 23, 1931—LOT 15, Elmwood
 Subdivision "T" Maps 3, San
 Jose, Emma Blais to Napoleon
 Blais.....Sept. 4, 1931

Sept. 25, 1931—LOTS 1, 2, 3 AND 4
 Western Addition, City of Q.
 Welch; Lot 18 and W 20 ft. N
 Westminster Place New Post Of-
 fice Subd, except from Lots 3 and
 4 W 9.15 ft., San Jose, Pacific
 Greyhound Lines, Inc to J Ed-
 mund Davies.....Sept. 17, 1931

Sept. 25, 1931—LOT 1 BLK 3, Map
 of Jas A Clayton & Co's Subd of
 Vendome Grounds, San Jose. A M
 Whiteside to A M Whiteside.....

Sept. 19, 1931
 Sept. 26, 1931—No. 293 S-FIRST ST.
 San Jose. Louis Freed to W M
 Caldwell.....Sept. 18, 1931

Sept. 26, 1931—W SPENCER AVE
 117 of Home St., being Lot 28 of
 the Bender Subd., San Jose. Edna
 Zoe Schmidt to whom it may con-
 cern.....Sept. 26, 1931

Sept. 23, 1931—PTN LOT 7 Sub. of
 part of the A. L. Huyck Rancho,
 Pueblo Twp No. 1, B Maps 7,
 except strip of land uniform width
 1 foot. George S and Janet S
 Koehler to whom it may concern
Sept. 25, 1931

Sept. 24, 1931—LOT 1 BLK 8, Map
 No. 1, Los Altos. Fred and Emma
 Oehlischer to H C Stewart.....

Sept. 22, 1931

LIENS FILED

SANTA CLARA COUNTY

Recorded	Amount
Sept. 23, 1931—SUBDIVISION "A" of Lot 76, San Martin Reh Map No. 3, Theo Moss vs Louis and Louise Moglia.....\$58	
Sept. 23, 1931—No. 1125 S-SIXTH St., being Lot 3, Grand View Ad- dition, San Jose. GE Fail vs Lino and Elena Lena.....\$60	
Sept. 24, 1931—PART LOT 10, Peter Swall Tract being ptn Sec. 19 Twp 6 S R 2 W J Maps 17, San Jose. D & S Lumber Co vs Guy Peters and W L Borden.....\$353.59	
Sept. 24, 1931—CONT. 80.919 m or 1 being all Lots 1 and 2 Sec 15 Tsp 7 South R 2 W lying W of Pen. Railway right of way also 2 ac ptn SE ¼ of Sec. 10 and ptn SW ¼ Sec. 11 all in Tsp 7 S R 2 W with exceptions. C B McReynolds vs A V and A Picchetti.....\$146.90	
Sept. 25, 1931—SUBD A OF BLK 76, San Martin Rancho Map No. 3, San Jose. G Falotta vs Louis Louise and Anthony Moglia.....\$1925	
Sept. 26, 1931—64.013 Acre of land m or 1 bounded W by Stevens Creek, S by Stevens Creek Road, E by lands of F. J. Gagliasso and M. Gagliasso and N by Peninsula Railway right-of-way. William Duckelschel vs A Z and A Pic- chetti.....\$251.94	

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded	Amount
Sept. 23, 1931—LOT 12 BLK 7, Los Altos Park near Los Altos, Wm Dunscheischel to Richard Kropp, (contractor) and Roger Ladira (owner).....	\$139.85
Sept. 23, 1931—LOT 12 BLK 7, Los Altos Park near Los Altos, D. & S. Lumber Co to Roger J Ladira.....	\$226.99

BUILDING CONTRACTS

SONOMA COUNTY

COLLEGE BLDGS.
CITY OF SANTA ROSA JUNIOR College Grounds near Santa Rosa. All work for heating 1st and 2nd units of college buildings.
Owner—City of Santa Rosa, Junior College District, Santa Rosa.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Contractor—W. H. Picard, Inc., 5656 College Ave., Oakland.
Filed..... Dated.....
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, \$—
Bonds (2) \$1863.50 each. Surety, Pacific Indemnity Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

BUILDING PERMITS

STOCKTON

REPAIR fire damage, \$20,000; No. 429 E-Weber Ave, Stockton; owner, Jesse Lee Wilhoit, Wilhoit Bldg., Stockton; contractor, J. F. Shepherd, 1st National Bank Bldg., Stockton.
REMODEL grocery store, \$1000; No. 449 N-San Joaquin St., Stockton; owner, C. E. Curnow, Premises; contractor, T. E. Williamson, 1859 W-Park Ave., Stockton.
DWELLING, brick veneer, six-room, \$3950; No. 920 N-San Jose St., Stockton; owner and contractor, B. T. Parsons, 902 Beatrice St., Stockton.
DWELLING, brick veneer, six-room and garage, \$5400; No. 1724 W-Harding Way, Stockton; owner, Peter J. Sanguinetti, 1305 Buena Vista Ave., Stockton; contractor, C. H. Barton, 1014 N-Wilson Way, Stockton.

COMPLETION NOTICES

MARIN COUNTY

Recorded	Accepted
Sept. 22, 1931—MILL VALLEY. C B Malloneer to Albert Teather.....	Sept. 14, 1931
Sept. 22, 1931—KENTFIELD. Marin Union Junior College District to Knittle Bros.....	Sept. 14, 1931
Sept. 23, 1931—SAN RAFAEL. Otto Poehlmann and wife to M H Vanderbilt.....	Sept. 19, 1931

LIENS FILED

MARIN COUNTY

Recorded	Amount
Sept. 24, 1931—LARKSPUR. Geo H Millward vs H W Hoppe.....	\$62

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded	Accepted
Sept. 21, 1931—LOT 79 MAP NO. 3, Portion of Parkside Add'n and Racetrack Sub. Louis H Pied-	

monte to John Hansen Sept. 21, 1931
Sept. 26, 1931—LOTS 24 AND 25 Blk 7, Terminal Tract, Richmond. Mrs. K M Boyle to David Dryden..... Sept. 19, 1931
Sept. 28, 1931—LOTS 4, 5, 8, 9, 15 & 16 Blk 33 with exceptions from Lots 15 and 16 Richmond Junction Heights. Globe Securities Co, Ltd to whom it may concern..... Sept. 19, 1931
Sept. 28, 1931—LOT 35 and S ½ of Lot 36 Blk 16, Richmond City Center. George A and Olga Johnson et al to whom it may concern..... Sept. 22, 1931

RELEASE OF LIENS

CONTRA COSTA COUNTY

Recorded	Amount
Sept. 25, 1931—LOTS 12, 13, 14, 15, 16 and 17 Blk 32, Walls Harbor Center Tract. Leonard & Holt to Edith M Wilbur.....	
Sept. 26, 1931—LOT 2 BLK 2, Pittsburg Home Acres. C I Taylor, \$349; August J Miller, \$19.20 to George Lynn et al.....	

LIENS FILED

SONOMA COUNTY

Recorded	Amount
Sept. 29, 1931—65.21 Acres in Sec. 24 T 4 N R 10, West. to M. M. Sugarman vs C L Cavallero; Antonio Coll; M Cuneo and Frank Leuci.....	\$158.04

RELEASE OF LIENS

MONTEREY COUNTY

Recorded	Amount
Sept. 24, 1931—LOTS 1, 2, 3 AND 4 Blk 65, Map of East Monterey. E Hockett, \$76.50; F E Gauss, \$145; Frank J. Lara, \$92.30 to William Forkner.....	
Sept. 24, 1931—LOTS 1, 2, 3 AND 4 Blk 65, Map of East Monterey. D D Bengie, \$96 and R R Bengie, \$145 to W F and Edith H Forkner; Edith A Roberts and Elmer L Van Fossen.....	
Sept. 24, 1931—LOTS 1, 2, 3 AND 4 Blk 65, Map of East Monterey. A Turano, \$261; M J Murphy, Inc, \$1365.38; Ray Barton and Joseph Goodrick, \$66.95; Charles C Cain, \$120 to Wm Forkner and Edith A Roberts.....	

COMPLETION NOTICES

MONTEREY COUNTY

Recorded	Accepted
Sept. 24, 1931—LOTS 27 AND 29 Blk 10, Map of Oak Grove. Eileen Agnes and Charles Howard to whom it may concern.....	Sept. 22, 1931

BUILDING PERMITS

SACRAMENTO

HOUSE, 8-room and garage, \$8000; No. 1415 46th St., Sacramento; owner, M. Sydenstricker, 1302 38th St., Sacramento; contractor, E. Sydenstricker, 917 Sonoma St., Sacramento.
HOUSE, six-room and garage, \$—; No. 3749 McKinley Blvd., Sacramento; owner, H. Book, 2601 H St., Sacramento; contractor, J. Corey, 2921 Y St., Sacramento.
REPAIRS, \$1000; No. 112 Third St., Sacramento; owner, T. Cunius, 2479 Howard St., Sacramento.
HOUSE 6-room and garage, \$5000; No. 2549 Sixth Ave., Sacramento; owner and contractor, N. Lund,

Tramises:
RESIDENCE, 5-room and garage, \$2750; No. 1901 44th St., Sacramento; owner, Peerless Security Co., 1009 8th St., Sacramento; contractor, Klein Realty Co., 1009 8th St., Sacramento.
GENERAL REPAIRS, \$900; No. 733 Santa Ynez Way, Sacramento; owner, W. Williams, Premises; contractor, C. Thompson.
REEROOF, \$1250; No. 1723 D St., Sacramento; owner, C. Schmidt, Premises.
DWELLING, stucco, six-room, \$5000; No. 1625 Berkeley Way, Sacramento; owner, N. Lund, 2549 6th Ave., Sacramento.
DWELLING, frame and stucco, five-room, \$5000; No. 450 Coloma Way, Sacramento; owner, N. Lund, 2549 6th Ave., Sacramento.
DWELLING, 4-room & garage, \$2500; No. 4956 13th Ave., Sacramento; owner, W. Vander Volgen, 3625 Fourth Ave., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded	Accepted
Sept. 21, 1931—LOT 105, McKinley Blvd Tract No. 2, Sacramento. Thomas A Scott to whom it may concern.....	Sept. 18, 1931
Sept. 21, 1931—LOT 232, Swanston Park Unit No. 1, Sacramento. Matthew Watson and Wm D Benie to whom it may concern.....	Sept. 19, 1931
Sept. 21, 1931—LOT 2020, Elmhurst. A R Cowles to whom it may concern.....	Sept. 1, 1931
Sept. 21, 1931—LOT 275, W. & K. College Terrace, Sacramento. Adolph K Rigast to whom it may concern.....	Sept. 19, 1931

LIENS FILED

SACRAMENTO COUNTY

Recorded	Amount
Sept. 25, 1931—E ½ LOT 6, F. G, 14th and 15th Sts., Sacramento. A Labiaux vs Fred J Reif.....	\$105.75
Sept. 22, 1931—LOT 6505, Hillcrest Park, Sacramento. Superior Lumber & Fuel Co vs Dave Myhrum.....	\$58.50

BUILDING PERMITS

FRESNO

RESIDENCES, \$8000 each; No. 640 Pine St. and 301 Terrace Ave., Fresno; owner and contractor, Taylor-Wheeler, Inc., Power Co. Bldg., Fresno.
DWELLING and garage, \$4000. No. 1550 Walling Ave., Fresno; owner, Chris. Sommers Jr.
DWELLING and garage, \$4500; No. 3311 Kerchoff Ave., Fresno; owner, R. E. Harris.
DWELLING and garage, \$1850; No. 1505 Englewood Ave., Fresno; owner H. C. Mong, 1823 White St., Fresno.
DWELLING and garage, frame and stucco, \$4850; No. 3530 Huntington Blvd., Fresno; owner, Annie Lehman; contractor, C. H. and Geo. Lehman.
RESIDENCE and garage, frame and stucco, \$3000; No. 1341 Lucerne Lane, Fresno; owner, Fresno Home Builders, 1231 Broadway, Fresno.

COMPLETION NOTICES

FRESNO COUNTY

Recorded	Accepted
Sept. 23, 1931—LOT 6 and Part Lots 5 and 7, Terrace Gardens, Fresno.	

Thacker Wheeler, Inc. to whom it may concern Sept. 22, 1931
 Sept. 26, 1931 PART LOTS 6 AND 7
 Elk, T. Poppy Co., Fresno, A R
 Ekland to whom it may concern Sept. 26, 1931
 Sept. 24, 1931 LOTS C AND D, Alta Vista Terrace, Fresno, Harry P Nelson to whom it may concern Sept. 22, 1931

BUSINESS OPPORTUNITIES

Names and addresses of persons or firms concerned in the following opportunities will be furnished on request to Business Opportunity Department, Daily Pacific Builder, 547 Mission St., San Francisco, or phone Garyfield 5744.

21403—Enamels. New York City, Manufacturers of high grade enamels in Holland are seeking distribution in this country.

21405—Advertising Signs. Dresden, Germany. Manufacturers of advertising signs are seeking an agent or wholesaler in San Francisco.

W. H. Pink, 556 E Lincoln Avenue, Mt. Vernon, N. Y., wishes to represent local concern in New York City and adjacent territory.

R. Adams, 557 Market St. San Francisco, wishes to contact local concerns with view to representing them in the states of Washington, Oregon and Idaho.

C. J. Holslag Electric Arc Cutting & Welding Co. Newark, N. J., with complete line of arc welding machinery wishes to secure agent in this territory. 31

ENGINEERING SOCIETIES EMPLOYMENT SERVICE.

Further information regarding positions listed in this column is obtainable from Newton D. Cook, Room 715, 57 Post Street, San Francisco. (Phone SUTTER 1684).

W-2828-C-S SALES ENGINEER to sell a patented jack equipment to contractors in all lines. Commissions amount from \$15 to \$40 an order. Opportunity for active man with acquaintance in any contracting or construction line and in any territory. Commission, 20%. Apply by letter. Headquarters, New York.

R-3656-S ENGINEER, mechanical, 35 to 40, good background of machine design and jobbing shop experience, for combination job operating and building well drilling rigs. Must be accustomed to hard work and have own car. Applications may be by letter but decision will not be made without personal interview. Location, Northern California.

R-3633-S SALESMAN, experienced, preferably with training in medicine, to develop the sale of a new therapeutic lamp producing infrared rays. Should be able to finance self. Commission only. Headquarters, San Francisco.

W-3123-C-S (K-384) SALES REPRESENTATIVES. Long established prominent manufacturer of power and steam generating equipment is seeking sales representation in the following cities: Denver, Phoenix, Los Angeles and other cities in the Midwest and South. Liberal commissions granted on sales. Apply only by letter. Headquarters, Midwest.

W-3038-C-S (K-379) MECHANICAL ENGINEER to be in charge of operation, maintenance of mills, etc., in sugar plants. Must have had tropical experience in work of this

kind. Salary \$4200 a year and board and transportation. Apply only by letter. Location, South America. Headquarters, New York. W-3039-C-S (K-380) CHIEF CHEMIST for sugar plant, to take charge of field and factory laboratory. Man experienced in agricultural chemistry as well as plant control preferred. Salary, \$300 a month and board and transportation. Apply only by letter. Location, South America. Headquarters, New York. R-2667-S HYDRAULIC ENGINEER, competent to design deep well turbine centrifugal pumps. Must be up-to-date in theory and practice as position requires a man who can qualify as chief engineer. Apply by letter with experience and salary expected. Location, Northern California.

DREADED PINE BEETLE MAY HELP UNEMPLOYMENT

A possible partial unemployment relief for the western forestry sections of the United States may be in the offing. The dreaded pine beetle, scourge of the forests and ranking second only to fire in its devastation of future lumber supplies, may be forced to compensate for the damage it does, if plans now under consideration by United States forestry officials go into effect.

Data covering infestation by the beetle are now being gathered jointly by the United States Forestry service, the Bureau of Entomology of the United States Department of Agriculture and the University of California, according to J. M. Miller, senior entomologist of the office of forest insect investigations of the Federal Department of Agriculture, with headquarters at Giannini Hall, Berkeley.

On the basis of this preliminary survey and earlier investigations carried on in Modoc and Sierra national forests, which disclosed a serious general epidemic of the beetle in southern

Sierra regions, control measures for all infested sections of the state may be adopted as part of the national unemployment program.

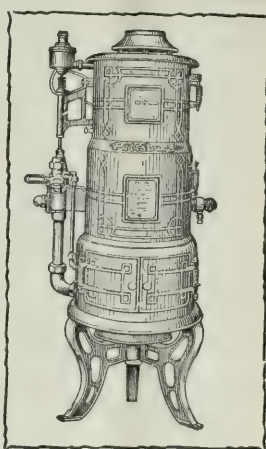
The preliminary survey now being made, states Miller, will be completed by the end of October, and will cover national parks, forest holdings and private tracts in California and elsewhere. Crews of investigators now in the field will be augmented by additional forces until the work is completed.

"Our investigations," said Miller, showed that in yellow pine, for example, in Modoc County, the western nine beetle was destroying from 25 to 35 per cent of the trees and proving to be a most serious menace to the lumber industry. During the past season we have had eight men in the field, have just started another crew in Lassen National Park, and will put on other investigators from now until October 1. If plans now under consideration for putting into effect a control program prove feasible, steps may be taken by which future lumber resources may be conserved and employment given to many in the lumber districts who are now unemployed."

ATHOLL McBEAN HONORED BY HOOVER

Atholl McBean, San Francisco clay products manufacturer and capitalist, has been appointed California State representative of the general advisory committee of President Hoover's unemployment relief organization.

Mr. McBean was president of the San Francisco Chamber of Commerce in 1919, 1920 and 1922 and was also president of the Industrial Association. He is head of Gladding-McBean & Co. and a director in the Associated Oil Company, the Crocker First National Bank, the Pacific Telephone and Telegraph Company, the North American Investment Corporation, the Atlas-Diesel Engine Company, and several insurance companies.



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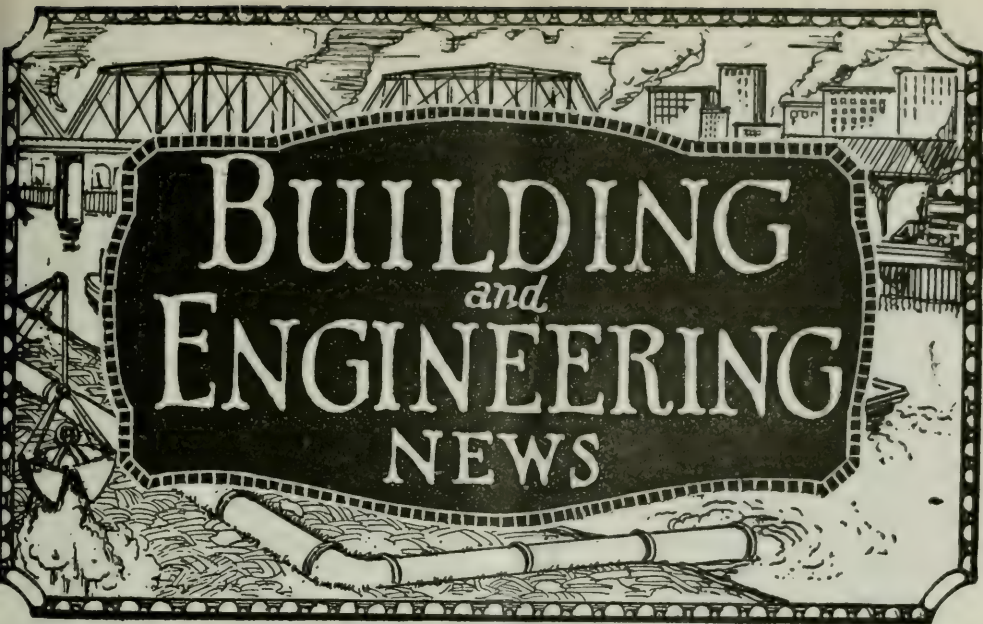
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SAN FRANCISCO, CALIF., OCTOBER 10, 1931

Published Every Saturday
Thirty-fifth Year, No. 41

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UNION WAGE SCALE ADOPTED AT FRESNO

Despite objections of the Fresno Builders' Exchange, the San Joaquin Valley Industrial Association and the Fresno County Farm Bureau, the Fresno county supervisors adopted the "union scale of wages" to apply on all construction undertaken by the county board.

The wage schedule submitted by the Fresno Building Trades Council was approved by unanimous vote of the board after a motion of Supervisor P. H. McMurtry.

The action brought to a close several weeks of wrangling over what the scale should be, the Builders' Exchange, representing contractors, contending that the union scale was slightly too high, and the Industrial Association proposing drastic cuts under the scale supported by organized labor.

By the action of the supervisors, the following wages must be paid by all contractors on all county work:

Iron workers	9.00
Brick layers	12.00
Brick layer hod carriers	7.00
Cement finishers	9.00
Cement workers	9.00
Carpenters	9.00
Electricians	10.00
Glaziers	8.00
Millmen	7.50
Painters	9.00
Plasterers	11.00
Plaster hod carriers	9.00
Plumbers	10.25
Sheet metal workers	10.00
Steam fitters	10.25
Teamster	6.00
All other employes	5.50

Road and bridge work: Truck driver \$5; tractor driver, \$6; grader man, \$5; skilled mechanic, \$6; motor patrol, \$6; jack hammer man, \$6; compressor man, \$6; powder man, \$6; shovel operator, \$7; all other employes, \$4.

MONTGOMERY, TILE EXECUTIVE, RESIGNS

H. C. Montgomery, president of the California Art Tile Company, submitted his resignation to the board of directors at a meeting in Richmond last Wednesday. He will remain as a director of the company. Wallace Duisenberg, vice-president of the company, will temporarily fill the office of president.

Louis J. Hislop, newly elected director and treasurer, was named sales manager and office manager. Hislop recently was elected to the board to fill a vacancy created by the resignation of C. E. Cummings. W. A. Hislop, secretary of the company, has been named plant manager.

The other directors of the firm are Frank Proctor, Albert Kindt and D. H. Bochford.

MONTEREY BUILDERS WILL FACE CHARGES

A complaint filed with the State Department of Professional and Vocational Standards by Mrs. Gouveneur Morris of Monterey, against S. H. Hooke and V. E. Hooke, Monterey contractors, asks for the suspension of the licenses of the two builders under the contractors' law provision, "the doing of any willful fraudulent act by the license as a contractor in consequence of which another is injured" may be followed by "cancellation or suspension of license."

Mrs. Morris charges that although the Hookees took a contract to build an addition to the Morris residence for an original estimate of \$18,500 the total amount demanded by the contractors reached a sum over \$40,000.

SEPTEMBER BUILDING IN S. F. \$1,531,282

Building operations undertaken in San Francisco during the month of September, 1931, involved an expenditure of \$1,531,282, according to figures compiled by John B. Leonard, superintendent of the City Bureau of Building Inspection. During the month, Leonard reports, 561 permits were issued as against 588 permits in August when the total registered \$1,992,305.

September permits are segregated as follows:

Class	No. P'mts	Est. Cost
A	2	70,000
B	1	162,000
C	19	114,650
Frames	165	673,580
Alterations	368	190,176
Public Buildings	4	219,859
U. S. Government	2	1,017

Total

561	\$1,531,282
-----	-------------

During the first nine months of 1930 Leonard reports, a total of 5,013 permits was issued for improvements aggregating an expenditure of \$16,828,724 as compared with 5,065 permits for the past nine months with the total registering \$18,028,746.

SPLIT-SHIFTS ON MUNICIPAL PROJECTS

Contracts for the construction of all public works in Dallas, Texas, will contain a provision that the contractor will hire all his laborers on a half-time basis, so that employment may be given to as many men as possible, it is announced by O. H. Koch, director of Public Works for the city. Street paving jobs are to be exempted from this provision, Koch stated, because the property owners pay most of the cost of the pavement, and, as the half-time plan will involve extra expense in the construction of public works, it is felt that it would not be fair to ask them to bear this cost.

PLUMBERS MUST PROVE FITNESS, COURT RULES

The Supreme Court of the State of Washington has handed down a decision concerning plumbers, steamfitters and other craftsmen engaged in occupational work effecting the public welfare, that they must prove their fitness, if so required by ordinance of a municipality. The decision was the result of the claim of the city of Tacoma to compel several plumbers to pass examination and obtain certificates of competency.

The plumbers in question were operating without license and were found guilty of violating the city ordinance, but appealed the case, and lost it before the Supreme Court.

The ruling reverses a decision handed down by the high court over a score of years ago.

While the old decision, the high court said, recognized the power of the legislature to enact all needful rules and regulations for the "preservation of the health, comfort and well-being of society," several subsequent court rulings have sustained a number of similar laws relating to other occupations.

"The old case," the court said, "was decided when legislation of this character was in its infancy.

"Police power of municipalities not only extends to enactments designed to protect and promote public peace, health, morals and safety, but also to safety, and to those intended to promote the general welfare and prosperity."

A plumber, the court held, is no different from a barber or architect, who must comply with regulatory ordinances.

The court ordered the cause remanded with directions to overrule the demurrer and proceed to trial.

U. S. ENGINEER WINS SOVIET RECOGNITION

A public recognition of American industrial methods has been given by the soviet government in the form of a tribute to H. J. C. MacDonald, mining engineer of Denver, Col., for his work in the development of Russian metallurgy.

An official decree, made public by the soviet supreme council last week, not only expressed the thanks of the soviet republics for introduction of the American system of mining but it rewarded MacDonald with a prize of approximately \$7500 and announced his methods would henceforth be employed in all enterprises dealing with nonferrous metals and iron and steel.

"All enterprises dealing with black, or iron, steel and colored or nonferrous metallurgy," the decree said, "propose hereafter to use the system of Engineer MacDonald, which has been in practice for three years in the Ural and Altai organizations on colored metals."

IMPORTANCE OF ENGINEERING INSPECTION CITED BY ENGINEER

By Watson Vredenburg, Mem. A. S. C. E.; President, National Engineering Inspection Association

Good engineering practice has established the necessity of the supervision of engineering work during its entire progress. The supervision of the manufacture of materials is as essential as that of checking the design and the plans or supervising the work in the field. Such supervision is rarely necessary as regards the management of the manufacture. It is fair to assume that all manufacturers operate their business with the intent of giving good value under their contracts; and no manufacturer could long exist if he carried out the policy of constantly and intentionally evading his contract obligations. However, when the details of manufacture are considered, it should be realized that the majority of work is piece work, and is done by workmen who have limitations as to the conditions of turning out the high character of the work. They have a personal incentive to do their work hurriedly and are under constant pressure of their superiors. It is work as done by the workmen that requires thorough and careful inspection; and it is fair to state that the attitude of the managements of a great majority of manufacturers is to support such inspection, when it is done by an intelligent and experienced Inspector who so adapts his inspection as to discover the defects and errors as early in the work as possible, and who cooperates with the management in the output of good work with the least expense to the manufacturer. The question may well be asked: What is the use of drawing plans, specification and contracts, unless steps are taken to determine whether they are being carried out?

An important feature of the supervision of manufacture is the value of having a representative at the points of manufacture, whereby the progress of the work is known and the shipment of the finished product can be had at the time and in the order necessary for expeditious and economical erection or proper use in the construction work.

A further reason for such supervision by inspection is in having a record whereby the quality of material and workmanship is attested to and may be useful in placing the responsibility for subsequent possible failure or in relieving from responsibility those interested who should properly be relieved from the same. It is not inconceivable that an Engineer or Architect who fails to provide for the supervision of manufacture or erection may be held responsible for noncompliance with plans or specifications, damage or loss of life resulting from any failure at erection or thereafter in the construction of buildings and bridges, and the construction or operation of railroads, public service works and manufacturing plants.

Functions of the Inspecting Engineer

Supervision of the manufacture may be made by employees of an Engineer or Architect or by the employment of Inspecting Engineers who make a specialty of such work. The reasons for the existence of the latter are primarily that the manufacture of materials is conducted at various points and is in progress at the same time, and frequently intermittent. If an Engineer or Architect uses his own employees for this work, it is essential that several or more men be employed; and there is, consequently, much waste of time and of traveling

What is the use of drawing plans, specification and contracts, unless steps are taken to determine whether they are being carried out?

The question is asked by Watson Vredenburg, president of the National Engineering Inspection Association.

In the accompanying article, Mr. Vredenburg, a specialist in his field, sets forth reason for adequate supervision by inspection whereby the quality of materials and workmanship can be determined.—Editor.

expenses. To meet this situation, the independent Inspecting Engineer establishes an organization of experienced men who are permanently located at the various manufacturing centers, and, by competent supervision of their work, makes use of their time over a number of contracts, thereby tending to efficiency and economy. Such a concern, presumably, has a wide knowledge of shop methods and from experience is able to handle the defects arising during manufacture with some advantage of practical knowledge, and has personal acquaintance and constant business relations with the shop management.

The fact that inspection is not insurance should be appreciated. The Inspector is not responsible for the design, specifications, sufficiency of tests, or the plant management, but is an expert witness whose duty it is to see and report conditions and to conduct supervision in such a manner as to improve the character of the materials and workmanship, and give an accurate record thereof. The responsibility for compliance with plans and specifications and general good practice rests primarily with the manufacturer. The responsibility of an Inspector is for intelligent and faithful supervision and accurate record, in accordance with the established and specified practice of tests and standards of workmanship.

The position of the inspector is that of a representative of the owner employed through, and in conjunction with, the Engineer or Architect, duly appointed as representative of the owner. If Inspecting Engineers have charge of the work, they are the Associates of the Engineer or Architect in something of a professional capacity. In either case the quality of inspection is evidently dependent, as is all professional work, upon the experience and number of men on the work; and it is unavoidable that this arrangement is dependent upon the compensation allowed.

Quality of Inspection

From the above it will be recognized that the quality of inspection must, according to the rule that applies to all business, be in direct proportion to the compensation. To be of genuine value, inspection must be constant, intelligent, and complete. A final inspection may determine the satisfactory compliance with the contract, but cannot, generally, secure the satisfactory correction of errors, and certainly cannot prevent them or tend to the improvement of the work. The tests of quality of inspection are the experience of the man directly on the work, the time spent on it, and

the quality of the final record. These tests apply equally to the work of direct employees and to that of Inspecting Engineers. The latter may properly make a profit from the favorable combination of work at rolling mills and fabricating plants or manufacturing shops, and from the saving of time and traveling expenses; but any profit from the neglect of work by insufficient attention or from the employment of underpaid employees is improper. The Architect or Engineer, if he desires to secure the best inspection by Inspecting Engineers, should consider the experience and reputation of the firm with whom he proposes to deal, should know the experience of the men to be employed upon the work, and should critically examine the character of the record furnished him. He may properly demand information as to the time of the men employed upon the work.

Records covering a large volume of important inspection service are replete with examples of valuable results accomplished.

Methods of Payment

The usual method of payment for inspection services when done by Inspecting Engineers is at a unit price. This always should be per unit of material or workmanship inspected and not per unit accepted, for the reason that it is undesirable to put a premium upon the acceptance of work which may be defective or doubtful. With knowledge as to the quality of inspection, as noted above, the method of payment by unit inspected is satisfactory; but if an Engineer or Architect is doubtful as to the character of the work that is to be done, he may arrange his terms on a basis of the cost of the actual time of the men employed on the work, plus a percentage to the Inspecting Engineers for organization and supervision. The last course he should take is the placing of inspection work under competition to the lowest bidder. Such a course must mean not only his willingness but his demand for the least attention by the lowest salaried men available. A moment's consideration will convince any one that the proportion of profit to inspectors must remain the same or increase, whereas the proportion of loyalty and conscience must diminish. Payment for inspection of building materials is not a part of the obligation of the Engineer or Architect, but is that of the Owner. The strong Engineer or Architect will not evade this question, but will either demand that the Owner make such provision and leave to the Engineer or Architect the right to choose his associates; or he will provide in the specifications that the inspection shall be paid for by the Contractor as a part of his work and a direct charge against the owner, but shall be arranged for by the Engineer or Architect at a specified price, and that the Inspectors shall be responsible solely to the Engineer or Architect representing the Owner.

The arrangement whereby the General Contractor or the Manufacturing Contractor is permitted to bargain for inspection service is fundamentally unsound and should positively be avoided. Such a method is an invitation for the cheapest service and naturally directs a division of responsibility to where it does not belong. Where the specifications provide for

the character of and payment for inspection, all Contractors are placed on an equal basis of figuring for this item and, it being a direct charge against the owner, no Contractor should be permitted to bargain for a profit from this item of the contract.

Standardization of Service.
There has been recently organized the National Engineering Inspection Association with the object "to promote a proper understanding and co-operation among those engaged in, and concerned with, engineering inspection; to establish practices which will prove beneficial to proper service; and to develop and encourage better and more effective inspection methods."

One of the basic reasons for the formation of this Association and one of its prime objectives following same has been "to establish practices" regarding specific items of engineering inspection. These have been published as Methods of Procedure and have been set up as tentative in order to invite suggestions which will lead to the adoption of permanent Methods of Procedure to be followed in rendering inspection service by all members. (The booklet embodying these Tentative Methods of Procedure can be obtained by those interested, from Mr. B. H. Witherspoon, P. O. Box 1115, Pittsburg, Pa.) The materials dealt with in the first edition are: Structural steel for Buildings and Bridges; Mill Sheet and Field Inspection; Tee and Girder Rails and Accessories; Steel Plate Pipe; Hot Rolled or Drawn Steel and Iron Pipe; Boiler and Firebox Steel; Cast Iron Pipe and Specials; Cement; Concrete; Timber; Piles; Poles and Ties.

The Association plans eventually to adopt standard methods of procedure for the inspection of practically all engineering materials, either separately, or in groups, for which recognized manufacturing standards, such as those of the American Society for Testing Materials, American Standards Association, and other industrial or regulatory bodies have been adopted and are now in commercial use. A code of ethics outlining the proper methods to be employed by members in their business relations with each other has been adopted by the Association.

It is earnestly hoped that the efforts of this Association to standardize inspection services in the best interest of first class manufacture and construction will have the approval and cooperation of all those concerned with engineering inspection in any of its phases.

PLUMBING CHIEFS ELECT OFFICERS

G. R. Hilliker of Fresno was elected president of the California Association of Plumbing Inspectors at the annual convention of that body in Sacramento last week. Other officers are: Fred Johnson, San Jose, vice president, northern division; Charles P. Dailey, Los Angeles, vice president, southern division; Stephen I. Smoot, Los Angeles, secretary-treasurer.

Members of the executive boards were as follows: Northern division, E. A. Court, Sacramento; C. S. Ford, Richmond; G. W. Genuit, Stockton; George Grimschaw, Berkeley; L. M. Hendsch, Bakersfield. Southern division, R. M. Clapp, Alhambra; Clifford Wykoff, Glendale; Joseph T. Curley, Long Beach; J. B. Davis, Pasadena; J. B. Montgomery, Whittier.

The next meeting of the association will be held in Bakersfield.

THE OBSERVER

What He Hears and Sees on His Rounds

The cost of relief for the unemployed in New York City for the year ending October 31 is put at \$40,000,000, in an analysis of relief expenditures made recently.

Formation of a national savings bank to give security to the savings of laborers is announced by the government of Colombia.

Resolutions calling for a \$10,000,000 "property" loan by the federal government was unanimously adopted recently by the Chicago Federation of Labor.

San Francisco took second place in building activities among the "big cities" on the Pacific Coast for the month of September. Los Angeles landed in first place with \$2,097,453 while San Francisco reported an expenditure of \$1,531,282. Portland registered third place with \$532,020 and Seattle fourth with \$417,545.

Contractors on state highway work in New Jersey have been informed by the state highway commission that they must require a bond from their proposed subcontractors and that evidence of the existence of such bonds must be furnished to the state highway engineer with the request for approval of a sub-contractor.

The United States Census Bureau having established a San Francisco-Oakland Metropolitan District, the Central Council of the San Francisco Builders' Exchange has requested the Industrial Association to invite the cities in the 825-square mile area about the Bay District, to sit in with the Impartial Wage Board's deliberations with the hope of establishing a uniform wage scale for this district.

Maintenance of prevailing wages paid employees engaged by Six Companies, Inc., on Hoover Dam construction work is promised by William A. Bechtel, president of the contracting firm. Bechtel said the base wage scale for workers on the dam site was higher than that of surrounding localities and would remain at the present level despite pay cuts in the mining industries of the area.

At a conference of representatives of the building industry of the Pacific Northwest held at Spokane, resolutions were adopted urging that the United States government in all its departments quit the architectural and construction field to the extent that its present occupancy brings it into competition with private business also that native materials be selected for federal buildings where such materials in the judgment of competent authority are suitable.

According to reports received by the Bureau of Labor Statistics of the United States Department of Labor from 338 identical cities having a population of 25,000 or over there was an increase of 13.4 per cent in the estimated cost of buildings for which permits were issued during the month of August, 1931, as compared with the month of July, 1931. There was an increase of 21.3 per cent in the estimated cost of new residential buildings and an increase of 13.9 per cent

in the estimated cost of new non-residential buildings. Permits issued for all building operations during August, 1931, totaled \$127,139,031. Dwelling units were provided for 8628 families in the new buildings for which permits were issued during August. This is an increase of 1.7 per cent as compared with dwelling units provided during the month of July, 1931.

The United States Government contracts let during the month of August, 1931, totaled \$28,462,261.

Comparing permits issued in 290 identical cities during August, 1931, and August, 1930, there was a decrease of 10.3 per cent in total construction. A decrease of 22.6 per cent in the estimated cost of new residential buildings; an increase of 1.5 per cent in the estimated cost of new non-residential buildings. The number of family dwelling units decreased 18.4 per cent.

Julius Verne's scientific romances offer nothing more intriguing for the imagination than an existing wonder of today, unearthed in the heart of Philadelphia's business section—a cypress forest thirty-four feet below the street surface which brings testimony from prehistoric ages that water-soaked wood is well-nigh imperishable.

Excavators digging a spur of the new Locust Street subway, found remains of pre-glacial forests which geologists say flourished between 100,000 and 1,000,000 years ago. Some of the stumps had a circumference of 16 feet. The grain of the wood is plainly visible and the stumps are only slightly carbonized.

The stumps were imbedded in soft, blue clay, rarely found in this section. Scientists say the trees were killed by flooding and that the "great amount of tannin contained in them no doubt accounts for their excellent preservation."

Work on the subway was discontinued for a few hours while scientists and laborers poked about the stumps and hundreds of onlookers watched history unfold literally before their eyes.

"A Building Congress will not be a cure-all for the ills of the building industry. It will not be a spectacular organization; neither will it be political, and the chances for front page publicity will be rare. But the chances to work for the benefit of the industry will always be there," says Frederick H. Meyer, San Francisco architect.

"It is high time and of the utmost importance that the loose ends and scattered organizations of the building industry be drawn together into a compact unit; not to act for the selfish interest of a single individual or association—never militant, never arbitrary; advising only after careful investigation; ever watchful of the interests of the industry. Perhaps to speak as the voice of the building industry for needed legislation.

"The idea of a Building Congress is not a new or untried scheme, nor is it just another organization. It is a method of utilizing existing organizations to work together for a common benefit; a means of placing our problems before the other fellow; a clearing house, if you will, where we might, with painstaking effort, wash clean the slate of misunderstanding."

In an effort to stimulate business and encourage an increase in the amount of plumbing work to be done through the fall and winter months, steadily employment, members of Colorado Springs Local No. 58, Plumbers and Steamfitters Union, at a special meeting voted to take a cut of \$1.50 a day in wages. This brings the scale to \$3.00 from the previous \$9.50.

The state industrial commission in a recent decision upheld the former \$9.50 daily wage scale, after local firms had served notice of a cut. The new scale went into effect throughout the region September 7.

Announced as an attempt to expand the use of unemployed building trades labor and to take advantage of present low building costs, the Railroad Co-operative Building & Loan Association of New York, one of the largest in the country, has made a horizontal reduction of 10% in home finance service charges for new construction and re-financing, says The Business Week. The association will shoulder the reduction, intended as a temporary relief only, since it finds it impossible to reduce overhead or fixed fees.

Uniform street maintenance records are the subject of a co-operative study between the International City Managers' Association and the American Road Builders' Association. It is expected that approximately two years will be required before a complete report can be made. In only a comparatively few cities are maintenance records kept in such a manner as to permit intelligent analysis of costs. This effort will develop a flexible system for such records as can be readily installed in any city regardless of the size or form of government.

"Great Eastern corporations have cut wages from 5 to 25 per cent," said Governor Ralph in Los Angeles last week, "but the danger in cutting wages is that no one can tell where it will stop. That is not our program. We shall hold to our present level of wages and put 3800 more men to work. More than 10,000 are now employed by the state. The state of California will not cut wages 'a single copper penny' but will instead put 3800 additional men to work on public improvements with a few days."

The national bureau of standards has completed a model of the Empire State Bldg., New York's tallest skyscraper, for studying wind loads, according to Director George K. Burgess. The model is constructed on a scale of 1 to 250. It is 5 feet high. The model has been placed into the 10-ft. wind tunnel of the bureau and the pressures developed by winds up to 60 miles per hour are being measured.

Railroads throughout the United States are rapidly changing their locomotives to oil burners and have become one of the world's largest users of fuel oil. According to figures of the United States Department of Commerce, Class I railroads during the first half of the current year used 1,012,932,384 gallons of fuel oil. The exact number of engines burning oil was not announced but the total at the beginning of last year stood at 7,565.

The San Francisco Board of Supervisors has voted to place a \$3,500,000 school bond issue on the November 3 ballot. The bonds, if voted, will finance erection of new schools and additions to existing structures.

PACIFIC COAST BUILDING TOTALS SEPTEMBER, 1931

The following is a compilation of building permit statistics covering Pacific Coast cities for the month of September, 1931, together with those of September, 1930, as reported by Building Department Executives in the city listed:

CALIFORNIA

City	No.	Sept., 1931	Cost	Sept., 1930
Alameda	72	\$ 32,625	\$ 74,265	
Albany	25	37,105	14,007	
Alhambra	49	103,925	132,200	
Anaheim		15,910	30,683	
Berkeley	141	152,090	400,122	
Beverly Hills	75	231,385	687,760	
Burlingame	14	28,135	80,350	
Carmel	8	6,738	9,795	
Chula Vista	13	12,100	23,390	
Compton	15	7,773	32,620	
Coronado	28	20,106	8,565	
Emeryville	5	11,625	600	
Eureka	29	21,675	24,330	
Fresno	140	95,297	96,081	
Fullerton	22	9,635	35,234	
Glendale	110	306,925	191,155	
Hayward	4	4,300	21,175	
Huntington Park	39	59,210	95,285	
Inglewood	41	53,005	95,483	
Long Beach	451	341,875	1,962,190	
Los Angeles	2266	3,097,453	6,662,761	
Los Gatos	1	1,175	3,050	
Lynwood	16	21,100	71,900	
Monrovia	22	16,060	53,895	
Montebello	8	13,375	13,900	
Monterey	31	44,718	41,281	
National City	14	4,017	6,300	
Oakland	314	350,368	533,586	
Oceanside	10	6,895	10,655	
Ontario	6	6,650	17,375	
Orange	22	14,284	10,590	
Pacific Grove	19	15,000	15,475	
Palo Alto	63	86,500	130,430	
Pasadena	330	125,082	353,681	
Petaluma	6	3,700	6,530	
Piedmont	14	15,240	79,759	
Pomona	65	30,237	75,550	
Redwood City	36	115,668	110,730	
Richmond	42	25,575	89,566	
Riverside	108	40,348	124,283	
Sacramento	160	158,454	213,448	
Salinas	28	58,035	110,539	
San Bernardino	45	36,795	83,178	
San Diego	343	449,361	413,284	
San Francisco	561	1,531,282	1,956,831	
San Gabriel	12	32,300	15,725	
San Jose	75	108,775	317,465	
San Marino	9	39,627	56,648	
San Mateo	20	67,750	108,528	
San Rafael	11	23,800	47,325	
Santa Ana	75	58,899	567,766	
Santa Barbara	78	101,241	243,765	
Santa Cruz	34	41,100	98,979	
Santa Monica	53	90,240	148,233	
Santa Rosa	20	30,150	19,060	
South Gate	23	10,200	81,390	
South Pasadena		68,479	20,635	
Stockton	66	110,871	67,426	
Torrance	8	7,800	17,250	
Ventura	4	17,950	46,545	
Vernon		15,275	79,495	
Vatsonville	15	19,505	34,750	
Willow Glen	15	43,500	44,050	
Total	6329	\$8,705,173	\$16,963,252	

ARIZONA

Phoenix	50	\$ 64,654	\$ 168,778
Tucson	77	43,324	276,946
Total	127	107,978	445,724

IDAHO

Boise	87	33,787	48,796
Lewiston	16	56,700	39,913
Total	103	90,487	88,714

NEVADA

Reno	59	109,450	49,000
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UTAH

Logan	2	3,800	6,800
Ogden	12	11,500	57,050
Salt Lake City	96	104,445	245,052
Total	110	119,745	363,302

OREGON

Albany	3	700	2,873
Ashland		2,895	3,620
Astoria	39	5,593	47,523
Corvallis	15	4,980	6,200
Eugene	91	25,901	48,811
Marshallfield	8	4,185	12,570
Portland	421	532,020	2,781,420
Salem	68	32,671	29,356
Total	645	609,245	2,923,382

WASHINGTON

Aberdeen	19	6,953	30,580
Bellingham	31	79,024	37,585
Everett	73	12,730	20,765
Longview	15	6,155	20,505
Port Angeles	7	5,050	10,894
Seattle	504	417,545	1,128,990
Spokane	226	141,710	184,589
Tacoma	146	89,250	243,499
Vancouver	38	22,335	15,710
Walla Walla	24	7,440	23,745
Wenatchee	32	15,565	38,245
Yakima	33	70,650	571,670
Total	1154	874,467	2,555,784
Grand Total	8527	\$10,616,545	\$23,429,658

Barnes Corning Takes
Over Henderson Metal
Furring System Units

Announcement has been made of the acquisition of the Henderson Metal Furring System by Barnes Corning Company. Developed by W. D. Henderson, a San Francisco contractor, the nailing blocks and clamps, stud shoes and partition spacers which are included in the Henderson System have been used all over America and in foreign countries for over ten years. Barnes Corning Company now succeeds Henderson and has added these products to its growing nation-wide business.

The non-splitting wood nailing blocks, with patented clamps for fastening the channel studs, the patented stud shoes for fastening the channel studs to floor and ceiling without damage to concrete slabs, and the metal partition spacers are well known cost saving devices. Probably the most interesting part of the Henderson System is the recently patented composition partition spacer.

The Henderson Compo Partition provides an economical means for assembling a double row of channels in hollow wall construction, with no metal connection between the channels and a remarkable reduction of sound transmission. The composition connection is non-vibrating. Spacers of various widths are used for different partition thicknesses.

The application of these spacers is simple. They are attached to two channels with Henderson clamps, this work being done on the bench and a completed double channel stud then being ready for erection with Henderson Stud Shoes. Where additional insulation is required in the partition rabbetted individual or continuous spacers, to extend the length of the studs, are used. Under this condition either type of spacer is rabbetted to receive one or two sheets of insulating material. The result is a rigid partition ready for lath and plastering with two or three interior air spaces and no metal connection between the two sides of the partition.

All of the Henderson products are manufactured and distributed by the Henderson Furring Division of Barnes Corning Company. Stocks of standard sizes are carried in the principal American cities.

Fire Resistance of
Structural Clay Tile
Study of Underwriters

An inspection service for determining the amount of fire resistance of various types of structural clay tile used for walls has been inaugurated by the Underwriters' Laboratories, Chicago, Illinois. Standard fire-test specifications have been developed by the engineers of the laboratories by means of a series of fire tests. Tile constructed in accordance with the specifications are eligible for certification as at least two-hour fire retardants in 8-inch walls and as at least three-hour and five-hour retardants in 12-inch walls.

The laboratories issue certificates of inspection to manufacturers and distributors of structural clay tile and, when they are countersigned by the laboratories' inspectors, they can be transmitted to the owner, architect or building official as evidence that the material in question is of a standard uniform quality conforming to existing requirements as determined by factory and field inspection.

These certificates are not applicable to buildings in which materials not conforming to the standard specifications developed by the laboratories are used along with the certified materials, nor where factory or field inspection has shown that the material claimed to be acceptable does not, in fact, conform to the standard.

Inspections will be made at the factories frequently, varying from once a week to once a month according to the volume of material ultimately intended for certification.

The names of manufacturers and distributors operating under the Inspection and Certificate Service will be included in the Underwriters' Laboratories' List of Inspected Fire Protection Appliances and on card reports which are filed with the principal boards of underwriters and inspection bureaus in the United States, at many companies and firms and at certain federal, state and municipal departments.

State Building Commissioner H. L. Carnahan announces the resignation of O. Rey Rule, deputy Building & Loan Commissioner. The resignation was effective September 30. Rule, Carnahan says, will devote his time to development of the Santa Fe Rancho in San Diego County.

Missing Contractor
Named In Lien Suits

Eight lien suits aggregating \$3620 were filed last Monday in the Superior Court at San Jose by the National Mill & Lumber Company against H. A. Iverson, missing promoter of Easter Gables, near Sunnyvale, and 13 others.

The complaints set forth that lumber and building materials were furnished Iverson and the others for construction work at the tract, but that they have never been paid for. The lumber company is asking either payment of the debts or an order foreclosing on the property involved to satisfy the amount of their claims. The lumber company's attorney is Burton B. Brace of Oakland.

Several other suits against Iverson, involving his transactions in connection with the tract, have been instituted in the local court. Iverson is alleged to have absconded with funds received from the transactions.

MONUMENT DESIGNS
ASKED BY GOVERNMENT

The Secretary of War has issued an invitation to architects and sculptors to submit competitive designs for the proposed monument commemorating the first permanent settlement of the west at Harrodsburg, Ky. An appropriation of \$100,000 for the monument has been made by Congress, the money to be expended under the direction of the Secretary of War. The design selected must be approved by the National Commission of Fine Arts. Applications for the program for the competition should be sent to the Quartermaster General, Munitions Building, Washington, D. C., who will act as the representative of the Secretary of War.

Harrodsburg is known as "The Cradle of the Old Northwest," where General George Rogers Clark and his heroic associates at old Fort Harrod planned and inaugurated the campaign carried on by General Clark and his associates in the conquest of the Northwest Territory during the Revolutionary War, as a result of which that vast territory was established as a part of the United States of America.

GENERAL PAINT TO
INVADE THE EAST

General Paint Corporation, with headquarters in San Francisco at 139 Fremont Street and with a coastwide chain of factories, is preparing for an invasion of the East.

This became known with the arrival at the William Taylor Hotel of P. D. Buckminster to become general superintendent of production for the corporation. Buckminster was formerly with DuPont Interests and the Martin Varnish Company. He is past president of the Federation of Paint and Varnish Producers' Clubs.

General Paint Corporation already has invaded Arizona, Montana, Missouri, Oklahoma and other points. Its network of outlets will be extended eastward.

General Paint is a merger of ten coast concerns which were joined in 1923. It has plants in Spokane, Seattle, Portland, Oakland, Los Angeles, San Francisco and Tulsa, Okla. California Paint Company, Hill, Hubbell & Co. and Magner Bros. Paint Company are the San Francisco units in the merger.

Sales volume runs over six millions during normal years and more than 600 employees are on the payroll.

HERE—THERE EVERYWHERE

C. H. Hubbard of San Bernardino will replace A. E. Anderson as manager of the Los Banos yards of the Hayward Lumber and Investment Company. Anderson contemplates entering the contracting business.

Dr. Louis Bloch, statistician of the State Industrial Accident Commission, has been named secretary and director of surveys of the state employment commission.

Charles Gilman Hyde has again lost his suit against the city of Santa Cruz on appeal. Hyde, an engineer who did extensive work for the city several years ago, rendered a bill for \$5717 additional over the amount paid him for what was claimed extra work. This the city contended was not so and the suit resulted.

Harry T. Gilbert, formerly assistant to the president of Republican Steel Corporation, will become vice president and general manager of Midland Steel Products Company, October 15.

The National Board of Fire Underwriters on July 1, 1931, had listed 147 domestic oil burners an increase of 39 in 18 months, according to information reaching the Oil Heating Institute.

The state convention of the California Lumbermen's Association, to be held in Oakland, starting November 19th, will bring together representatives of 1500 lumber companies and delegates from more than 200 allied industries for a three-day meeting.

The State Association of Master Plumbers of Arizona has been incorporated with W. A. Thompson, M. F. Kuhne, J. A. Sattler and George G. Doyle, Jr., as directors. Cooperation in all matters of common interest, the promotion of better sanitary conditions and the education of the public at large to the needs of better sanitary regulations and the enforcement of the same are given as the principal objects of the Association, which is a non-profit organization.

Plumbers of Everett, Wash., seek adoption of the five-day working week. The Building Trades Council has endorsed the movement.

Contractors of Santa Paula, Calif., have requested the city council to raise the business-license tax from \$12 per year to \$50 per annum. Such a fee, they claim, will make it impossible for "fly-by-night" contractors to operate in Santa Paula.

The expenditure of \$2,500,000 for relief work has been voted by the Oregon State Highway Commission. The money will be distributed for road work in those sections where distress is most acute.

Local No. 180, Vallejo, Calif., Carpenters and Joiners of America, have voted in favor of the six-hour working day. A meeting of the union will be held shortly with the Builders' Association of Vallejo with a view to discussing the 6-hour day proposal.

Bakersfield has been selected as the 1932 convention city of the California Association of Plumbing Inspectors. The association last week closed a successful convention in Sacramento.

STAN ELY of Berkeley, Calif., has been appointed city manager of Boulder City, Nev. The appointment was made by Secretary Wilbur. Boulder City is the government-owned municipality where workers building Boulder Dam live. Ely will have full supervision of the town which has been constructed on the black lava cliffs overlooking Colorado River. For several years the new city manager of Boulder City has been affiliated with the federal land bank at Berkeley.

Complaints against civil service employees cannot be settled by a mere investigation conducted by the civil service division, but a public hearing must be held. Attorney General U. S. Webb so ruled in an opinion delivered to W. A. Brownrigg, chief of the state division of personnel. Brownrigg sought to know whether these matters could not be decided by investigations for reasons of economy.

A decline of 3 cents per gallon on the price of linseed oil was announced last Saturday by wholesale paint dealers in the San Francisco district.

Reports of new orders for fabricated structural steel for the week ending September 12, 1931, were received from 109 establishments, whose capacity represented 54.0 per cent of the total capacity of all plants in the United States. The bookings reported by these establishments amounted to 13,112 tons, representing 26.3 per cent of the total capacity of reporting establishments. Reports of shipments of fabricated structural steel for the same week were received from 97 establishments, whose capacity represented 51.7 per cent of the total capacity of all plants in the United States. The shipments reported by these establishments amounted to 17,085 tons, representing 35.3 per cent of the total capacity of the reporting establishments.

To aid in settling the present lack of standardization in road and street traffic signals, a committee of the American Road Builders' Association will report on specific instances of lack of uniformity at the 29th annual convention and road show of that organization to be held in Detroit in January. It has been found that recommended standards proposed by various organizations have not been adopted to any great extent, and there is urgent need for intensive research on the utility of various devices to the end that some degree of standardization may be attained. The organization of a research group or foundation is also recommended by the committee. Harry E. Neal, traffic engineer, Ohio department of highways, is in charge of the committee studies.

Production of stone in the United States in 1930, exclusive of stone manufacturer into lime, cement, and abrasive materials, or crushed into sand, amounted to 126,996,340 short tons, valued at \$178,948,611, according to a compilation of reports from producers made by the United States Bureau of Mines, Department of Commerce. The figures show a decrease of 10 per cent in quantity and 12 per cent in value from the 1929 production figures of 141,109,580 short tons, valued at \$202,682,762. All varieties of stone except that classed as "miscellaneous" and including chiefly crushed stone for concrete, road metal, and railroad ballast, decreased in both quantity and value of output. The total output of all important stone products except rubble, riprap, and stone for miscellaneous uses decreased in quantity.

COUNTY DAY LABOR JOBS HELD ILLEGAL

Day labor operations carried on extensively by the county road construction boards of Iowa have been sharply checked by a recent decision of the state attorney general that all road or bridge building projects costing over \$1,500 must be advertised for bids and let at a public letting. The opinion of the attorney general on county day labor operations was requested by C. C. Coykendall, administration officer of the highway commission. The decision cites the state law which provides that road construction work exceeding \$1,500 must be advertised for bids. The law states that the board may reject all bids and may readvertise or let the work privately at a cost not exceeding the lowest bid received or may proceed to build by day labor.

The attorney general said that if the board did reject all bids and proceed with the construction by day labor, it must see to it that the cost of the project does not exceed what it could have been done for by contract. "If the cost of the construction work when done by day labor should exceed the cost that the work could have been done for under a contract, such a procedure might be construed to be unlawful," he states.

Another plan which has been followed by several county boards to avoid having to comply with the provisions of the law is to split the construction work up into small projects, none of which cost over \$1,500. The opinion of the attorney general in regard to this practice was also asked. Although the board has some discretion as to what constitutes a "project," it cannot arbitrarily cut the work into projects so as to avoid complying with the law, the attorney general states. For instance, he said, if a five-mile stretch of road is to be graded, the board cannot divide it up into five projects each costing less than \$1,500.

PRE COTE CORP. OPENS NEW OFFICES

Pre Cote Corporation of Indianapolis, a concern controlling the manufacture of machines for emulsifying asphalt and producing pre-cast aggregate as a road paving and surface material, have opened offices in California as follows: Pre Cote Corporation, 634 South Spring St., Los Angeles, F. L. Van Noy, Pacific Coast representative, and Western Pre Cote Company, 848 San Diego Trust & Savings Bank Bldg., San Diego, in charge of Harry L. Foster.

Pre Cote Corporation is a Ulen & Co. affiliate and has its principal offices at Indianapolis, Ind., with branch offices at Atlanta, Ga., and Dallas, Tex. The company's products are being sold for pavements on state and county highways throughout the country and for city streets in many of the prominent cities in the middle west.

Douglas fir timbers put into a store building in Seattle, Wash., 28 years ago at a cost of \$6.50 a thousand feet have just been removed in the course of improvement construction at the store in such perfect condition as to be saleable on the present market at several times their original cost. The stringers and joists, laid in 1893 when the building was constructed, remain bright, resilient and undecayed.

The resurrection of this material shows the value of proper construction methods when wood is used, says the American Lumberman.

SUGAR PINE LUMBER COMPANY IS ACTIVE

Preparation of over 5000 cars of white pine lumber over the next 12 months is being made by Sugar Pine Lumber Company, Ltd., Placerville, Cal., and its subsidiary, Yosemite Lumber Company, at Merced Falls, Cal. This stepping up in output is an anticipation of a revival of the building industry.

The two companies combined normally carry from 75,000,000 feet to 100,000,000 feet of manufactured lumber available for immediate shipment. This would be equal to 3700 to 5000 railroad carloads.

The Rock Island & Pacific Railway is handling a special train of 70 cars of lumber from these points in a special train. Chicago & Northwestern Railway also announced a lumber shipment from McCloud, Cal., totalling 60 cars via its line. Similar lumber shipments from the California redwood district have been made in the last few days over the Great Northern line.

Recent publications of the General Electric Co., Schenectady, N. Y., include a catalog sheet describing automatic float switches for motor-driven pumping equipment, an 8-page bulletin of new GE arc welders, and a new edition of the bulletin "Arc Welding in Industry."

FEDERAL AID ROAD BUILDING IS ACTIVE

A report issued by the Bureau of Public Roads at Washington shows that about 765 miles of Federal aid roads were completed during August.

The total estimated value of Federal aid roads under construction on September 1 was \$378,476,076.00. The total mileage under construction on that date was 16,090.8 miles. In addition to those now under way projects totalling 2024 miles have been approved for construction.

The Federal aid allotment for projects under construction amounted to \$170,824,029. The allotment for projects approved but not yet started totals \$18,584,139. A balance of \$27,124,941 remains in the Federal air funds. To September 1 the mileage of Federal aid roads completed in all the States amounted to a little more than 50,000 miles.

CONCRETE COOLING TEST IS UNDER WAY

A test of the system proposed for cooling the concrete in Hoover dam is being made in the Owyhee dam in Oregon, now under construction. It is announced at Washington.

The test is being made with a system of pipes imbedded in the concrete through which water cooled by refrigeration is circulated to reduce the temperature resulting from the setting of the cement. This cooling process will be necessary in the Hoover dam because of the great mass of concrete which it will contain and the possible serious effects of the high temperatures which will be generated.

The Colorado River board, an advisory group created by the Hoover dam legislative act to advise the government visited Owyhee dam recently to observe the results of the test. This board is headed by Major General Wm. M. Sibert, retired. Other members are: Charles P. Berkey of New York, and Warren J. Mead of Madison, Wis., geologists, and Robt. Ridgway, New York, consulting engineer.

The board also visited Montrose, Colo., where models of the Hoover dam spillways are being tested.

New Outdoor Type Controller Announced

A new outdoor-type Novalex photoelectric controller has been announced by the General Electric Company. This unit responds to the increase and decrease in daylight intensity and is designed to control street lighting circuits, floodlight installations, electric signs, in fact any type of outdoor lighting equipment.

The new controller consists of a weatherproof case enclosing a light-sensitive photoelectric tube, a vacuum tube, contactors and time delay relays. A change in the intensity of the average daylight around the photoelectric tube is picked up by the tube which controls the grid of the amplifying vacuum tube. The vacuum tube operating on direct current actuates the main contactor through an auxiliary relay. The direct current is obtained from a rectifier and filter mounted on the back of the panel. The photoelectric tube by controlling the grid of the vacuum tube thus indirectly actuates the main contactor. Thermal time delay relays are provided to prevent instantaneous operation in response to the passage of a cloud over the sun, a flash of lightning, a person walking in front of the unit, etc. Operation is positive in that the main contactor will not "flutter" at the critical light intensity.

The unit may be adjusted to close the external circuit at any light intensity between 1 and 10 foot candles, and to open the external circuit at any intensity from 2½ to 4 times that necessary to close the external circuit. Sensitive potentiometers are provided in order to secure close adjustments of the operating light intensity. Adjustments may be made without opening the case. This type of circuit provides great sensitivity by the use of rectified alternating current on the photoelectric and vacuum tubes. The durability and reliability of these tubes has been proven under applications much more severe than those encountered in outdoor lighting applications.

OREGON ROAD WORK TO AID UNEMPLOYED

A fund of \$1,000,000 to be raised on or before December 1 of this year to give employment to men now without jobs has been voted by Oregon State Highway Commission.

Commissioner Charles K. Spaulding presented the resolution, which was adopted unanimously. The resolution was prompted by Governor Julius L. Meier, who urged such action be taken, and by the demands of numerous delegations for highway work as a relief measure for unemployed.

The method of raising the fund was not discussed during the morning meeting, but it is believed a bond issue will be called.

ARCHITECTS SEEK STANDARDIZED SPEC.

The standardization of specifications to be used by Cincinnati architects is under way by the Joint Conference Committee of the Cincinnati Chapter of the American Institute of Architects and the Allied Construction Industries of Cincinnati.

At a recent meeting, the advisability of drawing up standard specifications was the chief subject for discussion. It was the opinion of all members of the Joint Conference Committee that the development and use of standard specifications for building construction would be beneficial to architects, general contractors and subcontractors alike.

STATEMENT OF OWNERSHIP, MANAGEMENT, CIRCULATION, ETC., REQUIRED BY THE ACT OF CONGRESS OF AUGUST 24, 1912.

OF BUILDING & ENGINEERING NEWS, published weekly at San Francisco, California, for October 1, 1931.

State of California, City and County of San Francisco, ss.

Before me, a Notary Public in and for the state and county aforesaid, personally appeared R. J. Rath and J. I. Stark, who, having been duly sworn according to law, depose and say that they are the owners of the BUILDING & ENGINEERING NEWS, and that the following is, to the best of their knowledge and belief, a true statement of the ownership, management (and if a daily paper, the circulation), etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied in Section 411, Postal Laws and Regulations, printed on the reverse of this form, to wit:

1. That the names and addresses of the publisher, editor, managing editor, and business managers are:

Publisher, Stark-Rath Printing & Publishing Co., 547 Mission St., San Francisco.

Editor, J. P. Farrell, 1258 39th Ave., San Francisco.

Managing Editor, J. P. Farrell, 1358 39th Ave., San Francisco.

Business Managers, R. J. Rath, 786 31st Ave., San Francisco, and J. I. Stark, 935 Holloway Ave., San Francisco.

2. That the owners are:

Stark-Rath Printing & Publishing Co., 547 Mission St., San Francisco. R. J. Rath, 786 31st Ave., San Francisco.

J. I. Stark, 935 Holloway Ave., San Francisco.

A. R. Miller, 869 Trestle Glen Road, Oakland.

3. That the known bondholders, mortgages, and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages, or securities are: none.

4. That the two paragraphs next above giving the names of the owners, stockholders, and security holders, if any, contain not only the list of stockholders and security holders as they appear upon the books of the company but also, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting, is given; also that the said two paragraphs contain statements embracing affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner; and this affiant has no reason to believe that any other person, association, or corporation has any interest direct or indirect in the said stock, bonds, or other securities than as so stated by them.

STARK-RATH PTC. & PUB. CO., Publishers

J. I. STARK, R. J. RATH.

Sworn to and subscribed before me this 30th day of September, 1931.

(SEAL) CHALMER MUNDAY.

Notary Public in and for the City and County of San Francisco, State of California.

(My commission expires Oct. 25, 1933)

Building News Section

APARTMENTS

To Take Sub-Bids Shortly.

APARTMENTS Cost, \$35,000
SANTA FRANCISCO. NW Pierce and
Capra Streets.

Three-story and basement frame and
stucco apartment building (9 4-
room apts.) (tar and gravel roof,
steam heating system, electric re-
frigeration, colored tile baths and
kitchens, hardwood floors, etc.)

Owner and Builder—A. T. Morris &
Sons, 3500 Fulton St., San Fran-
cisco.

Plans by Owner.

Additional Sub-Contracts Awarded.

APARTMENTS Cost, \$60,000
SANTA FRANCISCO. NE Bay and Web-
ster Streets.

Three-story and basement frame and
stucco apartments (18 rooms);
steam heating system, oil burner,
tile and composition roof, oak
floors, canvas walls, plaster exter-
ior, electric refrigeration).
Owner and Builder—Grace Perego, 176
Sutter Street.

Architect—H. C. Baumann, 251 Kearny
Street.

Painting—Herman Wachter, 690. Mar-
ket Street.

Tile—Scott Co., 243 Minna St.

Glass—W. P. Fuller Co., 301 Mission.
Hardwood floor bids are wanted.

Other awards reported Sept. 24 and
Sept. 11.

Contract Awarded.

APARTMENTS Cost, \$11,000
SAN JOSE, Santa Clara Co., Cal.
Naglee St. near Park Ave.

One-story frame and stucco duplex
apartments (2 four-room apts);
shingle roof, furnace, colored tile
baths and kitchens.

Owner—J. S. Mise, 66 Atlas Ave., San
Jose.

Architect—Not Given.

Contractor—Paul Anderson, 1210 Lin-
coln St., San Jose.

Contract To Be Awarded.

ALTER APARTMENTS Cost, \$3000
SAN MATEO, San Mateo Co., Calif.
Bellevue and Claremont Aves.

Alterations to 2-story and basement
frame and stucco apartments (new
plumbing, electric work, new heat-
ing plant, steam or warm air).

Owner—A. Winkler, 422 S Eldorado St.
San Mateo.

Plans by Grimes & Schoening, Bal-
ovich Bldg., San Mateo.
Contractor—Buschke & Johnson, 235
3d Ave., San Mateo.

Financing arrangements are now be-
ing made.

BONDS

SANTA BARBARA, Cal.—Elwood
School District has been donated prop-
erty on the Wylie ranch in the Naples
section as a site for a new school
building. This district has about \$50,-
000 in its treasury with which to
finance the structure.

CHURCHES

Construction Started.

ADDITION TO PARISH HOUSE
Cost, \$3000

BERKELEY, Alameda Co., Calif.
One-story frame addition to parish

house (auditorium stage, toilet fa-
cilities, steel texture, gas heaters,
built up composition roof).

Owner—St. Ambrose Parish, (Rev. J.
J. Henssy, Pastor).

Architect—J. V. D. Linden, 604 Mis-
sion St., San Francisco.

Contractor—C. E. Eakin, 1581 Solano
Ave., Berkeley.

Construction Under Way.

CHURCH Cost, \$23,000
WALNUT GROVE, Sacramento Co.

Two-story frame and brick veneer
church (to seat 300; tile roof, hot
air heating system) (90x40 ft.)

Owner—St. Anthony's Parish, Walnut
Grove (Rev. Father James Healey,
Pastor).

Architect — Harry J. Devine, Cali-
fornia State Life Bldg., Sacra-
mento.

Contractor—Gene Kenyon, North Sacra-
mento.

Bids Opened—Held Under Advertisment
REMODEL CHURCH Cost, \$8,000
SAN FRANCISCO, Cal., Mission St.,
near Third.

Alterations to church (restoration of
tower, new stone turrets on cor-
ners of tower, filling of old belfry
opening with stone tracery and
adding an additional 10 feet at
height of tower).

Owner—Roman Catholic Archbishop
of San Francisco, 1100 Franklin St.
Architect—Arnold Constable, 580 Mar-
ket St.

Award will be made within a few
days.

Completing Plans.

SUNDAY SCHOOL BLDG. Cost, \$—
POMONA, Los Angeles Co., Calif.,
Gibbs & Pearl Sts.

Class D frame and brick veneer sash,
day School (100x106) (steel sash,
slate and composition roof, gas
heat).

Owner—Trinity Methodist Church.
Architect—Skilling & Inwood and C.
F. Skilling, 1908 W. Adams St.,
Los Angeles.

FACTORIES AND WARE- HOUSES

Plans Being Prepared.

**COTTON COMPRESS AND WARE-
HOUSE** \$250,000 to \$500,000
SANTA FRANCISCO. China Basin.

SKILSAW Portable Electric Hand
Saws (4 models).

SKILSAW Portable Electric Sander
SKILSAW Radial Arm At-
tachments.

SYNTRON Portable Electric Ham-
mers (4 models, motor-
less).

MALL Flexible Shaft Machines (50
models).

Electric Drills, Grinders, Buffers,
Routers, Lock Mortisers.

PETER H. NELSON

Labor Saving Portable Electric
Tools.

1248 Mission St. UNDERHILL
San Francisco 7662
SALES . SERVICE . RENTALS

Large cotton compress and warehouse
Owner — State of California (Harbor
Commission).

Engineer—Frank White, Ferry Bldg.,
San Francisco.

More information will be given
shortly.

Completing Plans.

FACTORY Cost, \$400,000
SANTA ANA, Orange Co., Cal. Fair-
view and Bristol Sts. (80 acre site)

Group of steel frame and brick factory
buildings.

Owner — Pittsburgh Plate Glass Co.,
Pittsburgh, Pa.

Engineers and Contractors — Stone &
Webster, 601 W-5th St., Los An-
geles.

To Ask Bids In About Two Weeks.

WAREHOUSE-GARAGE Cost, \$13,000
COLUSA, Colusa Co., Cal. Second and
Main Streets.

One-story corrugated metal, wood and
frame garage and warehouse.

Owner—Pacific Gas & Electric Co., 245
Market St., San Francisco.

Plans by Eng. Dept. of Owner.
(6552) 1st report Sept. 2; 3rd, Sept.
21, 1931.

SANTA FRANCISCO.—San Francisco
Const. Co., 3159 Fillmore St., at \$1,920
awarded contract by Leonard S. Leavy
city purchasing agent, under Proposal
No. 754, for case work for the Central
Warehouse, Municipal Bureau of Sup-
plies.

SAN BERNARDINO, Calif.—H. E.
Weiss, president of Dry Refrigeration,
Inc., plans erection of a \$150,000 plant
on the Santa Fe Railroad, 19 miles
west of San Bernardino for the manu-
facture of dry ice from dolomite lime-
stone. The State Corporation Depart-
ment has authorized the company to
sell 325,000 shares of capital stock of
an authorized issue of 600,000 shares.
The pro forma balance sheet as of
September 1 shows plant and equip-
ment at \$366,000, quarry, \$534,000, cash
due from banks, \$96,000, total assets
\$996,000; current liabilities, \$9425, long
term obligations, \$92,927, net assets,
\$894,548.

Sub-Contracts Awarded.

WAREHOUSE Cost, \$26,442
OAKLAND, Alameda Co., Cal. First
and Market Sts.

One-story brick warehouse.
Owner—Howard Terminal, First and
Market Sts., Oakland.

Architect—Reed & Corlett, Oakland
Bank Bldg., Oakland.

Contractor—S. G. Johnson, 4652 Do-
lores Ave., Oakland.

Concrete—J. H. Fitzmaurice, 354 Ho-
bart St., Oakland.

Reinforcing Steel—McGrath Steel Co.,
354 Hobart St., Oakland.

Brick—Hersched & Reinecke, 830 East
11th St., Oakland.

Glass—East Bay Glass Co., 621 6th St.,
Oakland.

Roofing—General Roofing Co., 3985
Beach St., Oakland.

Sheet Metal—Central Sheet Metal
Works, 2847 Hannah St., Oakland.

Plumbing—J. A. Feitas, 1917 East 14th
St., Oakland.

Steel Sash—Detroit Steel Products
Co., 63rd and Doyle, Oakland.

Steel Work—Moore Dry Dock Co.,
foot Adeline St., Oakland.

GOVERNMENT WORK AND SUPPLIES

Contract Awarded. POST OFFICE Cost, \$70,480

COLFAX, Wash. CLASS A Post Office Owner—United States Government. Plans by Supervising Architect, Treasury Dept., Washington, D. C. Contractor—Hedeen Constr. Co., Seattle, Wash.

Plans Being Prepared. MISC. STRUCTURES \$800,000 Available

ALAMEDA, Alameda Co., Cal. Administration Building, Warehouses and Machine Shops (9 buildings in all); steel frame; tile walls; stucco exteriors.

Owner—United States Government. Plans by U. S. Bureau of Public Roads, 461 Market St., San Francisco.

Bids for construction will be asked within the next two weeks.

Plans Completed. POST OFFICE, ETC. Cost, \$1,300,000 SACRAMENTO, Sacramento Co., Cal.

T. St., between 8th and 9th Sts. Four-story Class A structural steel and concrete Post Office and Federal Building (granite base, terra cotta or limestone exterior).

Owner—U. S. Government. Architect—Starks & Flanders, Forum Bldg., Sacramento.

SUNNYVALE, Santa Clara Co., Cal.—Until October 21, 11 A. M., under Specification No. 6644, bids will be received by the Public Works Officer, Twelfth Naval District, 100 Harrison Street, San Francisco, to erect a one-story garage and construct a water supply system at the Naval Air Station at Sunnyvale. The work includes metal garage 20 by 76-ft., with concrete footings, walls and floor; a 1,000-gallon gasoline tank, including a pump; a 50-ft. steel water tower for an existing water tank; reconditioning and resetting a motor and a water pump, and water supply, plumbing and electrical systems. Specifications obtainable from above office on deposit of \$10, returnable, checks for same to be made payable to the Chief of the Bureau of Yards and Docks.

SUNNYVALE, Santa Clara Co., Cal.—Wallace Bridge and Structural Steel Co., W Marginal Way and Idaho St., Seattle, Wash., at \$1,116,044 awarded contract by Bureau of Yards & Docks, Navy Department, Washington, D. C. for steel work in connection with the Sunnyvale Air Base Hangar. Contract for roofing, siding, etc., in connection with the same project awarded to Siema-Helmerts, Inc., St. Paul, Minn., at \$398,937.

ALAMEDA, Alameda Co., Cal.—Until October 15, 2 P. M., bids will be received by the U. S. Bureau of Public Roads, 461 Market St., San Francisco, for constructing Unit 1 of development program on Government Island at Alameda, involving the removal of seven existing frame structures, water supply line and railroad tracks, the major items of the work including

56,782 cu. yds. unclass. excavation; Removing seven existing frame buildings; 1,481 lin. ft. remove and salvage 6-in. water supply line;

Remove and salvage railroad track. Plans obtainable from C. H. Sweetser, district engineer, 461 Market St., San Francisco, on deposit of \$10, returnable, checks for same to be made payable to the Federal Reserve Bank of San Francisco.

SAN DIEGO, Cal.—Until 11 A. M., October 16, bids will be received by Public Works Officer, 11th Naval District, San Diego, for dredging at the Naval Operating Base (Destroyer Base), under Specifications No. 6686. The work consists of the dredging of an area north of the approach of the marine railway and parallel and adjacent to the lines of the new quay wall. The approximate estimated yardage, including over-cut, is 100,000 cubic yards. Specifications obtainable from Public Works Officer, Headquarters, Eleventh Naval District, Ft. of Broadway, San Diego.

Plans Being Figured—Bids Close Oct. 21, 2:30 P. M.

BOILER SETTING Cost, \$— PALO ALTO, Santa Clara Co., Cal. New brick boiler setting for one 200-hp. Casey-Hedges Water Tube Boiler at U. S. Veterans Hospital. Owner—United States Government. Plans by Supervising Superintendent of Const., U. S. Veterans' Hospital, Palo Alto.

This work will include excavating, reinforced concrete foundations, common red, fire and insulating brickwork stay rods, I beam buck stays, metal lath and elastic cement plaster, and leveling up boiler, resetting gas burners, new shut-off valves and lower boiler fronts. Plans obtainable from the Supervising Superintendent of Construction at the Veterans' Hospital Palo Alto.

SAN FRANCISCO.—Until Oct. 21, 11 A. M., under Spec. No. 6693, bids will be received by District Public Works Officer, Twelfth Naval District, to install fuel oil filling and distributing lines at the Receiving Station, Yerba Buena Island in San Francisco Bay. Specifications obtainable from Public Works Officer on deposit of \$5, returnable, checks for same to be made payable to Chief of the Bureau of Yards and Docks.

Contract Awarded. ELEVATOR Cont. price \$1,235 MARE ISLAND, Solano Co., Calif. Conversion of elevator from car switch to double push control, under Specification No. 6675. Owner—United States Government. Plans by Bureau of Yards and Docks Navy Dept., Washington, D. C. Contractor—Otis Elevator Co., 1 Beach St., San Francisco.

Contract Awarded. ELEVATOR Contract price \$3,883 MARE ISLAND NAVY YARD, Solano Co., Calif. Furnish and install 1 5000-lb. freight elevator in Pattern Shop, Building 55 at Mare Island Navy Yard under Specification 6668. Owner—United States Government. Plans by Bureau of Yards and Docks, Washington, D. C. Contractor—Otis Elevator Co., 1 Beach St., San Francisco.

Preparing Plans. POST OFFICE Cost \$300,000 BEVERLEY HILLS, Los Angeles Co., Calif. Steel frame and masonry Post Office. Owner—U. S. Government. Architect—Ralph C. Flewelling, 450 N. Beryl Drive, Beverly Hills, Calif.

Contract Awarded. PAINTING Cont. price, \$1830 SAN FRANCISCO, 100 Harrison St. Painting walls, ceilings, woodwork dado, etc., in all offices and corridors of fifth floor. Owner—Twelfth Naval Dist., 100 Harrison St. Contractor—R. P. Paoli, 3169 Fillmore St.

Preparing Plans. CHEMICAL PLANT Cost, \$50,000 LONG BEACH, Los Angeles Co., Cal. NE Cherry Ave. and Poppy St. (8 acre tract). Chemical plant (administration building 150 x 180 ft.); (laboratory, pump houses, etc.) Owner—Fields Chemical Corp., Ltd. (John Fields, President). Architect—Roy D. Van Alstine, 410 E-Ninth St., Long Beach.

Sub-Bids Wanted. WAREHOUSE, ETC. Cost, \$18,000 SAN FRANCISCO, 68 Rincon Ave. Three-story class "C" reinforced concrete warehouse and offices. Owner—Peterson-Pacific Parchment Company. Architect—F. H. Slocombe, 3830 Harrison St., Berkeley. Contractor—Harry C. Knight, 327 17th St., Oakland.

Sub-bids are wanted on concrete, rein. steel, sheet metal, plumbing, ornamental iron, steel sash, interior tile and Fabco roof.

October, 7, 1931
Plans Awaiting Approval. ADDITION Cost, \$60,000 IONE, Amador Co., Cal. Addition units at Preston State School of Industry. (Brick cremery, asbestos shingle roof and brick milking barn with corrugated iron roof). Owner—State of California. Architect—R. G. De Lappe, 1710 Franklin St., Oakland. Plans have been forwarded to Sacramento for approval. Bids will be called for shortly. (4605) 1st rep. February 3, 1931; 2d rep April 20, 1931.

FLATS

Plumbing, Heating Contract Awarded FLATS Cost, \$10,000 SAN FRANCISCO, W Twenty-second Ave., 100 N Geary Street. Two-story and basement frame and stucco (2 flats). Owner—J. and W. Klatas. Architect—Upton & Ralph, 110 Sutter St., San Francisco. Contractor—E. Zinkand & Son, 667 36th Ave., San Francisco. Plumbing and Heating—Higgins and Kraus, 741 Tehama Street.

GARAGES AND SERVICE STATIONS

Preliminary Plans Being Completed. GARAGE Cost, \$30,000 WEST OAKLAND, Alameda Co., Cal. B and Gough Streets. One-story Class C tile and brick garage and 1-story frame and stucco office (tar and gravel roof). Owner—Merchants' Express & Draying Co., (Mr. Scott in charge) 1640 18th St., Oakland. Architect—George Ellinger, 1723 Webster St., Oakland. It is expected to call for bids in about two weeks.

Contract Awarded. SERVICE STATION Cost \$6,000 approx. SAN FRANCISCO, Army and Valencia Sts. Service station (steel frame construction). Owner—General Petroleum Co., 1924 Broadway, Oakland. Plans by owner. Contractor—Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.

SEATTLE, Wash.—As previously reported, Severin Electric Co., of San Francisco at \$13,380, submitted low bid to Supervising Architect, Treasury Department, Washington, D. C., to furnish and install electric lighting fixtures in Seattle postoffice. Following is a complete list of bids received: Severin Electric Co., San Francisco \$13,380
H. A. Framburg & Co., Chicago, Ill. 14,695
Brown-Johnston Co., Spokane, Wash. 15,890
Cascade Fixture Co., Seattle, Wash. 16,440
Seattle Lighting Fixture Co., Seattle, Wash. 17,000
Zenith Electric Fixture Co., Seattle 17,000
Zenith Electric Co., Inc., Bronx, N. Y. 17,700
Curtis Lighting, Inc., Chicago, Ill. 18,390
Moe-Bridges Co., Milwaukee, Wis. 19,410
Reading Chandeliers Works, Reading, Pa. 19,500
Kayline Co., Cleveland, Ohio 21,950
Maier Electric Co., Minneapolis, Minn. 22,373

SAN FRANCISCO—Berkeley Steel Construction Co., Inc., Second and Camella Sts., Berkeley, at \$349.50 awarded contract by Constructing Quartermaster, Fort Mason, for water storage tanks at Fort Mason. Complete list of bids published Sept. 30.

WASHINGTON, D. C.—Bids are being received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish materials and equipment to Pacific Coast navy yards and stations. Further information on the schedules listed being obtained from the Navy Purchasing Office, 100 Harrison St., San Francisco:

Bids Close October 20

San Diego, 50 aircraft propeller blades, metal; sch. 6634.
Western yards, 8 ductors and spares; sch. 6632.
San Francisco, 4 arc welding sets, electric; sch. 6630.
Mare Island, 5,000 rolled brass angles; sch. 6627.
Mare Island, 20,500 lbs. sheet lead; sch. 6626.
San Diego, 1 road patrol tractor grader, power operated; sch. 6641.
Mare Island, 1 electric aging oven; sch. 6637.
Western yards, 1,200 lbs. rust preventive compound, 280 gals. castor oil, 1,160 gals. oil, approximately 5,000 gals. lard oil, 650 qts. and 100 gals. neat's-foot oil, 3,000 lbs. paraffine wax and 10,300 lbs. petrolatum; sch. 6645.
Puget Sound, 60 toilet seats without covers; sch. 6649.
Western yards, magnesium pipe covering, block, plaster, asbestos millboard, felt, paper; asbestos; sch. 6650.
Western yards, regulators, acetylene, hydrogen, valves, discharges; gauges, air, steam and vacuum; sch. 6651.
Puget Sound, 1 laundry washing machine and spares; sch. 6648.
Western yards, rubber, cotton and linen hose; sch. 6642.
Western yards, graphite and lubricating grease; sch. 6644.
Western yards, wire rope and seizing strand; sch. 6656.
Western yards, window and plate glass; sch. 6657.

SAN FRANCISCO, Calif.—W. B. Baker & Co., 270 6th St. at \$1798 awarded contract by Twelfth Naval District, for the installation of an illuminated air way marker on Reservoir structure No. 162, Yerba Buena Island, San Francisco Bay.

Plans Being Figured—Bids Close October 30, 2 30 P. M.

BOILER SETTINGS Cost, \$ — WHIPPLE, ARIZ.

Construct new brick boiler settings for six Kewanee and two Erie City 150-h.p. H. R. T. Boilers at Veterans' Hospital.

Owner—U. S. Government.
Plans by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, Calif.

Project will involve razing the existing boiler settings and constructing new settings of common, fire and insulating brick and new boiler fronts for six Kewanee boilers and new dead plates on all boilers. Plans obtainable from the Supervising Superintendent of Construction at Palo Alto.

Contract Awarded, Cont. Price, \$6,917
REPAIRS SAN FRANCISCO, Angel Island.

Repairs and painting to wharf at U. S. Quarantine Station, Angel Island.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Contractor—Ben C. Gerwick, 112 Market St.

Plans Being Figured—Bids Close October 23, 11 A. M.

PAINTING. Cost, —
MARE ISLAND NAVY YARD, Calif.
Painting exterior of Buildings H-2, H-2a and H-2b at Naval Hospital, Mare Island Navy Yard (Specification No. 6696).

Owner—U. S. Government.
Plans by Bureau of Yards and Docks, Navy Department, Washington, D. C.

Building H-2 comprises the Commanding Officer's Quarters; Building H-2a Garage and H-2b Servants' Quarters.

Bids will be received by the Public Works Officer at the Mare Island Navy Yard. Specification No. 6696 are obtainable from the Commandant, Mare Island Navy Yard, on deposit of \$5, returnable, checks for same to be made payable to the Chief of the Bureau of Yards and Docks.

Plans Being Figured—Bids Close October 23, 3 P. M.

REPAIRS SAN FRANCISCO, Presidio. Cost, \$ —

Repairs to Tank House at the U. S. Marine Hospital.

Owner—U. S. Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Bids are being received by the Supervising Architect at Washington, D. C. Plans are obtainable from the Construction Engineer at the site of the Marine Hospital, 14th Ave. and Lake St., San Francisco.

PEARL HARBOR, T. H.—Kohlenberger Engineering Corp., Fullerton, Calif., at \$4300 submitted low bid October 7, under Specification 6572, to Bureau of Yards and Docks, Navy Department, Washington, D. C., for alterations to refrigerating plant, Naval Operating Base (Hospital) Pearl Harbor, T. H. The work consists of the removal of existing refrigerating and ice making equipment and its replacement with a new automatic refrigerating unit consisting of motor-driven compressor, condenser, liquid receiver, safety devices, automatic control equipment, bine cooler, motor-driven brine pumps and a holdover tank.

HALLS AND SOCIETY BUILDINGS

Sub-Bids Wanted.
ADDITION Cont. Price, \$29,072
BERKELEY, Alameda Co., Cal. No. 2001 Allston Way.

Two-story and basement frame and

brick addition for gymnasium.
Owner—Y. M. C. A., 2001 Allston Way, Berkeley.

Architect—W. H. Ratcliff, Chamber of Commerce Bldg., Berkeley.
Contractor—David Nordstrom, 354 Hobart St., Oakland.

As previously reported, excavation awarded to J. Catucco, 1212 18th Ave., Oakland; plumbing to Carl T. Doell, 467 21st St., Oakland; electric work to George Woolf, 795 Alcatraz Ave., Oakland.

Commissioned To Prepare Plans.
MEMORIAL BLDG. Cost, \$40,000
PLEASANTON, Alameda Co., Cal.
One-story Class C masonry veterans' memorial building (auditorium to seat 350; men's and women's club rooms, Spanish type).

Owner—County of Alameda.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

TUCSON, Ariz.—Old Pueblo Club is considering plans for financing a new clubhouse to be erected on the site of the existing building at South Stone Ave. and Jackson St. The new structure would cost about \$200,000.

Bids Opened.
MEMORIAL BLDG. Cost, \$50,000
ALBANY, Alameda Co., Cal.

Two-story reinforced concrete Veterans' Memorial building (Spanish type, tile roof, ornamental iron, gas heating).

Owner—County of Alameda, Geo. E. Gross, county clerk.
Architect—H. H. Meyers, Kohl Bldg., San Francisco.

Following is a complete list of the bids received:

E. T. Leiter & Son, 811—37th St., Oakland	\$58,537
Young & Horstmeier, S. F.	60,462
N. H. Sjöberg & Son, S. F.	61,981
Villadas Bros. S. F.	62,554
J. E. Branaugh, Oakland	64,200
George Swanstrom, Oakland	64,072
George J. Maurer, Oakland	64,457
A. F. Hansen, Oakland	65,445
A. Nelson, San Francisco	65,870
I. Epp & Son, San Francisco	66,380

San Francisco Construction Co. 66,940

Ralph McLean, San Francisco 69,950

Bids under advisement until October 8th

There were 11 alternates submitted which may be seen at this office by those interested

Contracts Awarded
FURNISHINGS Cost, \$ —

HAYWARD, Alameda Co., Cal.
Furniture and equipment for Hayward Veterans' Memorial Bldg.

Owner—County of Alameda, George E. Gross, county clerk, Oakland.

Architect—H. H. Meyers, Kohl Bldg., San Francisco.

Following have been awarded contracts in connection with above:

Peck & Hills Furniture Co., 532 Mission St., S. F.	\$2,719.59
Dohrmann Hotel Supply Co., 972 Mission St., S. F.	790.71
Levinson Co., 1235	350.00
Mangrum Holbrook Co., Mission St., S. F.	314.00
C. L. Robinson, John Bruner, 15th and Clay, Oakland	124.00
	469.00

HOSPITALS

Plans Being Figured—Bids Close October 23

LIGHT FIXTURES—Linoleum Cost, \$ —

STOCKTON, San Joaquin Co., Calif.
Furnish and install lighting fixtures and linoleum in county hospital.
Owner—County of San Joaquin, Eugene Graham, county clerk, Stockton.

Architect—Not Given.
Specifications on file in office of county clerk

Plans Being Figured—Bids Close Oct. 27, 2 P. M.
LAUNDRY BLDG. Cost, \$—
TALAMAGE, Mendocino Co., Cal. State Hospital grounds.

One-story reinforced concrete laundry (reinf. cone. foundation, floors and walls; wood stud partitions, steel and wood roof framing and clay tile roof).

Owner—State of California.
Architect—Chas. E. Perry, 417 E Sacramento St., Vallejo

Structural Engineers—Ellison & Russell, Pacific Bldg., San Francisco.
Mechanical Engineer—A. R. McLeran, Hearst Bldg., San Francisco.

Separate bids will be entertained for the following segregated parts of the work:

1. General Work, embracing all branches of the construction other than Electric, Heating and Plumbing Work.
2. Electric Work.
3. Heating Work.
4. Plumbing Work.
5. Combined Heating and Plumbing Work.

SAN FRANCISCO—Until Oct. 26, 3 P. M., under Proposal No. 757, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish crockery for Laguna Honda Home and for the San Francisco Hospital. Spec. obtainable from city purchasing agent upon request.

Plans Being Completed
CONTAGIOUS WARD Cost \$50,000
FRESNO, Fresno Co., Calif.

One-story and basement brick or reinforced concrete contagious ward at County Hospital.

Owner—County of Fresno, D. M. Barnwell, county clerk.
Architect—Swartz and Ryland, Brix Bldg., Fresno, Calif.

Bids Opened.
HEATING PLANT Cost, —
HAWTHORNE, Nevada.
Construct oil heating plant for Mineral County Hospital.

Owner—County of Mineral, D. M. Buckingham, clerk, Hawthorne.

Architect—Not Given.
Low Bidder—Reno Plumbing and Heating Co., Reno, Nev., bidding \$2732.

Commissioned To Prepare Plans.
INDIGENTS HOME Cost, \$70,000
Available

SACRAMENTO, Sacramento Co., Cal. Franklin Bldg.

Owner—County of Sacramento.
Architect—Harry Devine, California State Life Bldg., Sacramento.

Plans Completed.
SANITARIUM Cost, \$25,000
PETALUMA, Sonoma Co., Cal. (10 acre site) 5 miles out of Petaluma Sanitarium (consisting of a central supply building, group of one-room, fully equipped cottages, 300 ft. swimming pool, and solarium with quartz windows).

Owner—Dr. Henri M. Landworth, 2075 O'Farrell St., San Francisco and Petaluma.

Private Plans.
There will also be two roads built through the tract. Bids have been taken and contracts will be awarded shortly.

HOTELS

Preparing Plans.
HOTEL, ETC. Cost, \$—
CARLSBAD, San Diego Co., Cal. Lin-

coln Ave. near Coast Highway.
Two-story hotel (200x75 ft.) and one-story bottling works (frame and stone construction).
Owner—Carlsbad Springs Properties, Ltd., Hugh A. Benton, President.
Architect—Thurston B. Traver, 1005 W. 6th St., Los Angeles.

Contract Awarded
ROOMING HOUSE Cont. price, \$21,133
STOCKTON, San Joaquin Co., Cal.
Three-story reinforced concrete rooming house and store (32 rooms, 4 baths, 1 store; Fabco-10 year roof, pine floors, magnesite floors in baths).
Owner—Chinese Client.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Contractor—George J. Maurer, 60 York Drive, Oakland.

Contract Awarded.
HOTEL Cost, \$—
LAS VEGAS, Nevada. Fifth and Carson Streets.
Seven-story Class A reinforced concrete Class A hotel (125x140 ft.); 125 rooms, store rooms and casino.
Owner—Virginia Hotel Corp., Ltd. (J. J. Doyle, President), 650 S-E-Spring St., Los Angeles.
Architect—James A. Fleming, Ray Professional Bldg., Las Vegas.
Contractor—Wm. O'Neil, Ray Professional Bldg., Las Vegas.

ICE AND COLD STORAGE PLANTS

Contract Awarded.
ALTERATIONS Cost, \$6000
SAN FRANCISCO. No. 1300 Bryant Street.
Alterations to building for Ice plant.
Owner—St. Francis Ice Co., 1300 Bryant St., San Francisco.
Engineer—J. F. Lax, 3927 Webster St., Oakland.
Contractor—G. T. Williams, 5342 Broadway, Oakland.

Preparing Plans.
Pre-Cooling Plant. Cost, \$300,000
COVINA, Los Angeles Co., Cal. North Citrus Avenue.

Two-story and basement reinforced concrete and steel pre-cooling plant (100x325 feet) storage capacity of 20 cars; ice making machinery, conveying equipment.

Owner—San Gabriel Valley Pre-Cooling & Ice Corp.
Plans by Gay Engineering Corp., 2650 Santa Fe Ave., Los Angeles.
Engineer—Gay Engineering Corp., 2650 Santa Fe Ave., Los Angeles.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Elevator Contract Awarded.
WAR MEMORIAL Cost, \$5,000,000
SAN FRANCISCO. Civic Center.

Elevators for four-story and basement concrete Class A Veterans' Bldg. and 6-story Class A Opera House, seating 4000; standing room, 500.
Owner—City and County of San Francisco (S. F. War Memorial).

Architects—G. A. Lansburgh, 140 Montgomery St. and Arthur Brown Jr., 251 Kearny St., S. F.
Mrgs. of Constr.—Lindgren & Swinerton, Inc., 225 Bush St., S. F.

- (a) Opera House, passenger elevator.
- (b) Veterans' Memorial (passenger & freight elevator).
- (c) Veterans' Memorial (Plunger electric elevator).

Propositions A and B
Spencer Elevator Co., 166 7th St., San Francisco.....(a) \$46,572
.....(b) 30,379

Proposition C
Otis Elevator Co., 1 Beach St., San Francisco.....(c) \$5,600

Plans Being Figured—Bids Close Oct. 19, 10 A. M.
PAINTING, ETC. Cost, \$—
SACRAMENTO, Sacramento Co., Cal. Repair, painting and tinting at County Detention Home.
Owner—County of Sacramento, Harry W. Hall, county clerk.
Architect—Not Given.

Preparing Sketches.
REMODELING Cost, \$—
REDWOOD CITY, San Mateo Co., Cal. Remodeling old county jail building for county offices.
Owner—County of San Mateo.
Architect—Will H. Toepke, Call Bldg., San Francisco.
Details will be announced at a latter date.

Plans To Be Prepared
MUSEUM Cost, \$250,000
SEATTLE, Wash., Volunteer Park. Class "A" Museum Building.
Owner—City of Seattle (Gift of Dr. Richard E. Fuller).
Architect—Not yet selected.
Dr. Richard E. Fuller, president of the Seattle Art Institute, has offered a \$250,000 donation to the city council to finance erection of this structure in Volunteer Park with a view to relieving unemployment.

Sub-Contracts Awarded.
EXPOSITION BLDG. Cost, Price, \$112,000
OAKLAND, Alameda Co., Cal. Tenth and Fallon Streets.

One-story steel frame and reinforced concrete exposition building (369x150 feet).

Owner—City of Oakland, W. W. Chapman, City Clerk.

Architects and Engineers—Reed & Corlett and E. W. Cannon, architect, associated.
Contractor—R. W. Littlefield, 337 17th St., Oakland.

Structure will be set on pile foundation and will have a light truss roof.
Structural Steel—Herrick Iron Wks., 18th and Campbell Sts., Oakland.

Piling—M. B. McGowan, 74 New Montgomery St., San Francisco.

Roofing—General Roofing Co., 3985 Beach St., Oakland.

Sheet Metal—Pearce & Moll, 1075 40th St., Oakland.

Electric—Matson-Seabrooke Co., 4115 Broadway, Oakland.

Sub Contracts Awarded
LIBRARY Cost, price, \$7,872
SAN FRANCISCO, 37th Avenue bet. Geary and Anza Streets.

Two-story reinforced concrete branch library (tile roof, ornamental iron, hot air heat, oil burner).

Owner—City and County of San Francisco, Geo. A. Mullin, Controller and Secretary, Board of Library Trustees.

Architect—John Reid, Jr., 405 Montgomery Street.

Engineer—C. H. Snyder, 251 Kearny Street, San Francisco.

Contractor—Frank J. Reilly, 6350 Fulton St., San Francisco.

Plastering—Leonard Bosch, 70 Chesley Street.

Sheet Metal—Morrison Co., 74 Duboce Ave.

Plans Being Figured—Bids Close October 26, 11 A. M.
ELEVATOR Cost, \$—
SAN JOSE, Santa Clara Co., Calif. Install elevator in County Courthouse.

Owner—County of Santa Clara, Henry A. Pfister, county clerk.

Architect—Binder and Curtis, 25 W. San Carlos, San Jose, Calif.
Certified check 10% payable to Henry A. Pfister, county clerk, required with bid. Plans on file in office of clerk.

Contract Awarded.

CLIFF HOUSE Cont. price, \$148,500
SANTA CLARA, Santa Clara Co., Calif.
Rebuilding county courthouse destroyed by fire (using present brick walls and foundations) and construct an additional story of steel frame and concrete construction (tile roof, steam heating system).

Owner—County of Santa Clara, Henry A. Pfister, county clerk.
Architect—Binder and Curtis, 35 West San Carlos St., San Jose.

Structural Engineer—Wm. Lotz, 1040 Benton St., San Jose.
Contractor—W. J. Ochs, American Trust Co., Building, San Jose.

Plans Being Prepared.

SHOWER ROOMS Cost, \$—
SAN FRANCISCO, Kearny and Washington Sts.

Install marble toilet and shower partitions in women's prison at the Hall of Justice.

Owner—City and County of San Francisco, S. J. Hester, secretary, Board of Public Works.

Plans by Bureau of Architecture, Department of Public Works, 2nd floor, City Hall.

Bids for construction will be asked shortly by the Board of Public Works.

Contract Awarded.

JAIL Cost, \$1,946
WASCO, Kern Co., Cal.
One-story branch county jail.
Owner—County of Kern, F. E. Smith, county clerk.

Architect—Edwin J. Symmes, Habersfelde Bldg., Bakersfield.
Contractor—F. A. Greenough, Bakersfield.

Complete Bid Listing

F. A. Greenough, Bakersfield.....\$1,546
Opperman and Hullett, Bakersfield.....1,920
Geo. Isaac and Son, Bakersfield.....1,975
Dean and Strohle, Bakersfield.....2,021
J. H. Dirksen, Snoffer.....2,649
Wm. Eissler, Bakersfield.....2,662
F. H. Dequigne, Wasco.....2,188
Willard K. Michael, Bakersfield.....2,332
Hugo Weder, Bakersfield.....2,332
(6699) 1st rep. September 18, 1931;

Preparing Working Drawings

FIRE STATION Cost, \$22,000
WOODLAND, Yolo Co., Cal.
Two-story frame and stucco fire department building in connection with city hall plant (dormitory to accommodate 10), Spanish type.
Owner—City of Woodland.
Architect—Chas. Dean, Sacramento.
Bids will be taken in three weeks.

Plans Being Figured—Bids Close Oct. 27, 2 P. M.

SEC. PARTITIONS Cost, \$40,000
SUN ANGLES, Cal.
Furnish and install sectional partitions (wood and glass) for State Office Building.

Owner—State of California.
Architect—State Department of Public Works, Division of Architecture, Public Works Bldg., Sacramento (Geo. B. McDougall, state Architect).

RESIDENCES

Contract Awarded.
RESIDENCE Cost, \$7,500
SANTA BARBARA, Cal. San Roque Park.

Two-story frame and stucco residence (7 rooms).

Owner—Major Carl J. Ballinger.
Architect—Henry W. Howell, 19 E. Canon Perdido, Santa Barbara.
Contractor—F. C. Taylor, 606 W. de la Guerra St., Santa Barbara.

Plans Being Prepared.

RESIDENCE Cost, \$15,000
STOCKTON, San Joaquin Co., Calif.
Oxnard Manor.

Two-story and basement frame and stucco residence (9 rooms, 3 baths) tile roof, gas burner, hot water heater, colored tile baths and kitchen, hardwood floors, electric refrigeration).

Owner—Jos. C. Brigheto.
Architect—Jos. Losekann, 1218 W. Harding St., Stockton.
Plans will be ready for bids in about two weeks.

Plans To Be Prepared.

RESIDENCE Cost, \$—
HILLSBOROUGH, San Mateo Co., Cal.
Hillsborough Acres.

Residence.
Owner—H. A. Norton.
Plans by W. C. Gillam & Russell Coleman, 1401 Broadway Blvd.
It is expected to go ahead with this work in about 30 days.

Sub-Bids Being Taken.

RESIDENCE Cost, \$18,000
PALO ALTO, Santa Clara Co., Calif.
Cowper Street.

Two-story and basement frame and stucco residence (10 rooms and 3 baths; shingle or slate roof, English type).

Owner and Builder—Cleveland Smith, President Hotel, 935 Geary Street, San Francisco.
Architect—Treichel & Goodpastor, 1540 San Pablo Ave., Oakland.

Sub-Bids Being Taken.

RESIDENCE Cost, \$10,000
PALO ALTO, Santa Clara Co., Calif.
100 Waverly Oaks.

Two-story frame and stucco residence (5 rooms).

Owner—Reta A. Lemos, 460 Churchill, Palo Alto.

Plans by Owner.
Contractor—P. J. Lemos, 460 Churchill Palo Alto.

Addition of six rooms will be made at a later date.

Sub-Bids Being Taken.

RESIDENCE Cost, \$10,000
PALO ALTO, Santa Clara Co., Calif.
Tennyson Street.

Two-story and basement frame and stucco residence (7 rooms; full tile roof, gas furnace, colored tile bath and kitchen).

Owner and Builder—Cleveland Smith, President Hotel, 935 Geary Street, San Francisco.
Architect—Treichel & Goodpastor, 1540 San Pablo Ave., Oakland.

Sub-Contracts Awarded.

RESIDENCES Cost, \$6,000 to \$15,000
SAN FRANCISCO. Adjoining Sutro Heights and facing on Arza, Geary Point Lobos, Clement, 45th, 46th, 47th and 48th Avenues and Harding Boulevard.

Four hundred 1-story and basement and 2-story and basement frame and stucco residences (laundry, social hall, tile roof, gas heating system, tile baths and kitchens).

Owner and Builder—Kiernan and O'Brien, 47th Ave. and Geary Street (Tract office).

Architect—Albert H. Larsen, 447 Sutter Street.

Plumbing—Scott Co., 243 Minna St.
Mill Work—Brannan Street Planing Mill, 560 Brannan St.

Lumber—Christensen Lumber Co., 5th and Hooper Sts.
Heating and Sheet Metal—T. G. Arrowsmith Co., 661 Howard St.

Electric Work—E. A. Koernig, 1933 Ulloa St.

Plastering—W. J. Cooney, 74 Moltke.
Flooring—Royal Floor Co., 7th and

Brannan Sts.

Construction is under way on five residences. Others will be constructed upon completion of these.

Sub-Bids Being Taken.

RESIDENCES Cost, \$4,000 each
SAN FRANCISCO. S Mangel St. near Foster.

Two one-story and basement frame and stucco residences (5 rooms each) composition and tile roof, gas heat, colored tile baths and kitchens).

Owner and Builder—G. V. Godin, 586 Monterey Blvd., San Francisco.
Plans by B. K. Dobkowitz, 424 Monterey Blvd., San Francisco.

Sub-Bids Being Taken.

RESIDENCE Cost, \$6,000
BURLINGAME, San Mateo Co., Cal.
Vancouver Ave. W Adeline Drive.

One-story and basement frame and stucco residence (5 rooms; shingle roof, gas furnace, hardwood floors, colored tile baths and kitchen).

Owner—W. T. Mitchell.
Plans by Coleman & Gillam, 1404 Broadway, Burlingame.

Contractor—G. W. Williams Co., Ltd., 315 Primrose Road, Burlingame.

Lumber—Wisnom Lumber Co., 1000 Broadway, Burlingame.

Concrete—Gus Adolphson, 706 N. Claremont St., San Mateo.

Preparing Preliminary Plans.

RESIDENCE Cost, \$17,500
SAN RAFAEL, Marin Co., Cal.

Two-story and basement frame and stucco residence (9 rooms, 3 baths, tile roof, automatic oil furnace, hardwood floors, colored tile baths and kitchen).

Owner—A. L. Stewart (San Rafael Military Academy), 5th and Cottage Sts., San Rafael.

Architect—S. Heiman, 57 Post Street, San Francisco.

Sub-Contracts Awarded.

RESIDENCE Cost, \$13,000
BERKELEY, Alameda Co., Cal. St. Louis Road.

Two-story and basement frame and stucco residence (9 rooms, 3 baths, English type).

Owner—Dr. M. H. Groves, American Trust Bldg., Berkeley.

Architect—E. L. Snyder, 2101 Addison St., Berkeley.

Contractor—H. K. Schultz, 811 Mendocino Ave., Oakland.

Plumbing—Jeavons Plumbing & Heating Co., 2330 Shattuck Ave., Berkeley.

Sheet Metal and Heating—Bertel Mark, 1606 10th St., Berkeley.

Tile—Rigney Tile Co., 3012 Harrison St., Oakland.

Plastering—H. W. Hoffman, 1068 82nd Ave., Oakland.

Flooring—Inland Floor Co., 4067 Watts St., Emeryville.

Steel Sash—Michel & Pfeffer, 10th and Harrison Sts., San Francisco.

Brick—W. H. Wisneropp, 434 Michigan Ave., Berkeley.

Shingling—H. T. Grange, 2135 Blake St., Berkeley.

Contract Awarded.

RESIDENCE Cost, \$10,000
PALO ALTO, Santa Clara Co., Cal.
No. 362 Dana Street.

Two-story and basement frame and stucco residence (7 rooms and 3 baths); tile roof, gas heat, hardwood floors, colored tile baths and kitchen.

Owner—Dr. R. J. Gerlough, 551 Santa Cruz Ave., Menlo Park.

Plans by Owner.
Contractor—W. S. and H. Gibson, 1475 Hamilton Ave., Palo Alto.

Sub-Bids Being Taken.
RESIDENCE Cost \$13,000
BURLINGAME, San Mateo Co., Cal.
NE Easton Drive and Montero
Avenue.

Two-story and basement frame and
stucco residence (8 rooms, 2 baths)
(shingle roof, oil burner, refrigeration,
etc.).

Owner—D. Buegeleisen.
Plans by Coleman & Gellan.
Contractor—G. W. Williams Co., Ltd.,
315 Primrose Rd., Burlingame.

Contract Awarded.
RESIDENCE Cost, \$11,500
BERKELEY, Alameda Co., Cal. Clare-
mont Pines.

Two-story and basement frame and
rustic residence (7 rooms, 2 baths,
shingle roof, electric refrigeration,
colored tile baths and kitchen).

Owner—Dr. Howard E. Allen, 2490
Channing Way, Berkeley.
Plans by F. Conser, % E. L. Snyder,
2101 Shattuck Ave., Berkeley.
Contractor—Shapiro and Brown, 1245
Berkeley Way, Berkeley.

Contract Awarded
RESIDENCE Cost \$—
SAN FRANCISCO, Calif., Seaciff Dis-
trict.

Two-story and basement brick veneer
residence (9 rooms 3 baths) tile
roof, gas heating system, colored
tile baths and kitchen, hardwood
floors, etc.).

Owner—Name withheld.
Architect—Chas. K. Sumner, 57 Post
St., San Francisco.
Contractor—D. B. Gladstone, 557 Mar-
ket St., San Francisco.

Sub-Bids Being Taken.
RESIDENCE Cost, \$8000
FRESNO, Fresno Co., Cal. No. 640
Pine Street.

Two-story frame and stucco residence
(7 rooms, 2 baths, 1 store); (oak
floors, gas furnace, composition
shingle roof, standard plumbing
goods).

Owner and Builder—Taylor & Wheeler
Co., 902 Power Bldg., Fresno.
Plans by Owner.

Plans Being Figured—Bids Close Oct.
12.

RESIDENCE Cost, \$—
PALO ALTO, Santa Clara Co., Cal.
Two-story and basement frame and
stucco residence (shingle roof; gas
heat, etc.).

Owner—Withheld.
Architect—H. H. Gutterson, 526 Powell
St., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, \$5000
SAN FRANCISCO, Calif., Mt. David-
son Manor.

One-story & basement frame and
stucco residence; (5 rms) tile &
composition roof, gas heat, hard-
wood floors, colored tile bath &
kitchen.

Owner—Castle Building Co., 830 Mar-
ket St.
Architect—Not given.
Sub-bids will be taken in about one
week.

Sub-Bids Wanted.
RESIDENCES Cost, \$6000 each
SAN FRANCISCO, Mount Davidson
Manor.

Three one-story and basement frame
and stucco residences (six rooms
each; tile and composition roof,
gas heat, hardwood trim, hard-
wood floors, colored tile baths and
kitchens).

Owner and Builder—M. Nelson, 2847
Army St.
Architect—Not Given.

To ASK Bids in One Week
RESIDENCE Cost, \$7000
PIEDMONT, Alameda Co., Cal.
Two-story frame-and-stucco residence
(6 rooms, shingle roof, gas heating
system, tile bath, hardwood oors,
etc.).
Owner—Withheld.
Architect—Fred H. Reimers, 233 Post
St., San Francisco.

SCHOOLS

Preliminary Plans Approved.
SCHOOL Cost, \$600,000
SAN FRANCISCO, Appleton St. near
Highland Avenue.

Class A Junior High School.
Owner—City and County of San Fran-
cisco.

Architect—G. Albert Lansburg, 140
Montgomery St., San Francisco.
Will be known as Bernal Junior
High School.

A bond election is to be held No-
vember 3 to finance construction.

Sub-Bids Wanted.
SCHOOL & HALL Cost, \$242,000
BERKELEY, Alameda Co., Cal.

Two-story reinforced concrete pri-
mary school and one-story rein-
forced concrete academic dining
hall (20 classrooms).

Owner—State of California.
Architect—Charles Roeth, 1404 Frank-
lin St., Oakland.

The primary school building is two
stories with reinforced concrete foun-
dations, walls, floors, metal stud
partitions, steel and concrete roof frame
and clay tile roof. The academic din-
ing hall is one-story with reinforced
concrete foundations, walls, floor, con-
crete roof framing and clay tile roof.
J. S. Hannah, 268 Market St., San
Francisco, general contractor, desires
sub-bids in connection with the above
for which general bids are to be op-
ened Oct. 13, 2 P. M.

Contracts Awarded.
MUSIC BLDG. Cost, \$30,000
TAFT, Kern Co., Cal.

One-story reinforced concrete music
building (composition roof).

Owner—Taft Union High School Dist.
Architect—W. H. Weeks, 525 Market
St., San Francisco.

General Work—G. A. Graham, 613 19th
St., Bakersfield, \$23,274.

Roofing—Kern County Roofing Co.,
427 Humboldt, Bakersfield, \$820.

Plumbing and Heating—H. O. Ward,
Taft, \$2,780.

Electric Work—Shaler Electric Co.,
Taft, \$2,696.

Plastering—A. Simpson, 610 V Street,
Bakersfield, \$3,782.

Glass and Glazing—W. P. Fuller &
Co., 2016 Chester Ave., Bakers-
field, \$575.

Linoleum and Shades—Taft Furniture
& Hardware Co., Taft, \$866.

Painting bids have been rejected.

Preparing Working Drawings.
GYMNASIUM Cost, \$20,000
SAN RAFAEL, Marin Co., Cal. Mil-
itary Academy.

One-story and basement frame and
stucco gymnasium (lamella roof,
heating plant, hot water system).

Owner—San Rafael Military Academy,
5th and Cottage Sts., San Rafael.
Architect—S. Heiman, 57 Post Street,
San Francisco.

Plans will be ready for bids in about
two weeks.

Bids Opened.
HEATING SYSTEM Cost, \$—
MODESTO, Stanislaus Co., Cal. Mo-
desto Junior College.

Steam heating system in agricultural
building, music hall, offices, etc.

Owner—Modesto City School District,
E. D. Abbott, Secretary, Board of
Education.

Architect—Davis-Pearce Co., Grant
and Weber Sts., Stockton.
Low Bidder—D. R. Hoffman, 611 I
St., Modesto.

Following is a complete list of bids:
D. R. Hoffman, Modesto \$3260
E. W. Snook, San Francisco 2414
H. E. Trueblood, Modesto 3774
Pacific Heating & Ventilating
Co., Oakland 2860
Brandt Bros., Stockton 3858
Geo. A. Schuster, Oakland 3878
Bids held under advisement.

Incinerator Contract Awarded.
SCHOOL & HOME Cost, \$200,000
SAN FRANCISCO, Cambridge St.

Four-story reinforced concrete girls'
school and home (electric refrigeration,
oil burning heating sys-
tem).

Owner—Roman Catholic Archbishop of
San Francisco, 1100 Franklin St.
Architect—H. A. Minton, 525 Market
Street.

Incinerator—Kerner Incinerator Co.,
450 Clementina St.
Other awards previously reported.

Contract Awarded
ADDITIONS
DEL MONTE, Monterey Co., Calif.

Additions to Seaside Grammar School
(frame construction).

Owner—Del Monte Grammar School
District.

Architect—Swartz & Ryland, Spazier
Bldg., Monterey.

Contractor—Wilson & McGranahan, 88
King St., Santa Cruz, \$19,984.

Plastering—Wilson & McGranahan, 88
King St., Santa Cruz, \$2,800.

Complete list of bids will be published
within a few days.

Contract Awarded
IMPROVEMENTS Cost, price, \$11,250
MODESTO, Stanislaus Co., Calif.

Construct boys' shower room as an
addition to gymnasium and plaster
exterior of gymnasium and train-
ing building of the Modesto Junior
College.

Owner—Modesto City School District,
E. D. Abbott, secretary, Board of
Education, Modesto.

Architect—Davis-Pearce Co., Builders'
Bldg., Stockton.

Contractor—H. Tennyson, 125 Popular
St., Modesto.

Construction Postponed Indefinitely.
ADDITION Cost, \$40,000
SAN ANSELMO, Marin Co., Calif.

One-story frame building (metal laths,
auditorium to seat 625, lunch room,
kindergarten classroom).

Owner—San Anselmo School District.
Architect—A. A. Cantin, 544 Market
St., San Francisco.

KENTFIELD, Marin Co., Cal.—Un-
til October 19, 12 noon, bids will be
received by Mary E. Seymour, secre-
tary, Tamalpais Union High School
District, to furnish and deliver:

(1) electrical supplies;
(2) typewriters.

Specifications and further informa-
tion obtainable from the secretary at
Kentfield.

Sub-Contracts Awarded
MUSIC BLDG. Cost, Price, \$23,274
TAFT, Kern Co., Cal.

One-story reinforced concrete music
building (composition roof).

Owner—Taft Union High School Dist.
Architect—W. H. Weeks, 525 Market
St., San Francisco.

Contractor—G. A. Graham, 613 19th
St., Bakersfield.

Lumber: King Lumber Co., Taft.
Rein. Steel: Kyle & Co., Fresno.
Mill Work: Fresno Planing Mill Co.,
Fresno.

Other awards reported Oct. 2, 1931.

Contract Awarded

SCHOOL. Cost, \$3769
WEST POINT, Calaveras Co., Cal.
New school.
Owner—West Point Union School District, Mrs. Winnie Bardsley, clerk, West Point.
Architect—Not given.
Contractor—J. R. Leighton, 813 Bedford Road, Stockton.

Complete Bid Listing

J. R. Leighton, Stockton.....\$3769
J. E. Fitzsimmons, Lodi.....3843
C. T. Rose, Dixon.....3939
George Rock, Stockton.....3980
J. E. Touthaire, Stockton.....3990
M. R. Peterson, Sacramento.....4284
L. E. Hertzog, San Andreas.....4350

Bids Opened.

ADDITION. Cost, \$—
ROSEVILLE, Placer Co., Cal.
Two-story brick addition to school.
Owner—Roseville School District.
Architect—Starks & Flanders, Forum Bldg., Sacramento.
Low bidder—H. V. Robertson, 3004 F. St., Sacramento.

Following is a complete list of bids received:

H. W. Robertson, Sacramento.....\$ 9,123
Wilke & Propper, Roseville.....9,293
H. Brindle, Sacramento.....9,425
George Kopp, Sacramento.....9,600
Guth & Fox, Sacramento.....9,686
Campbell Constr. Co., Sacto.....9,814
Chas. Unger, Sacramento.....9,876
P. F. Bender, Sacramento.....9,887
Fred Betz, Sacramento.....9,890
C. J. Hopkinson, Sacto.....9,896
Azeveda & Sarmiento, Sacto.....10,500
Gene Kenyon, North Sacto.....10,600
Two low bids held under advisement

Complete Bid Listing — Contract Awarded.

ADDITIONS
DEL MONTE, Monterey Co., Calif.
Additions to Seaside Grammar School (frame construction).
Owner—Del Monte Grammar School District.
Architect—Swartz & Ryland, Spazier Bldg., Monterey.
Contractor—Wilson & McGranahan, 88 King St., Santa Cruz, \$19,984.
Plastering—Wilson & McGranahan, 88 King St., Santa Cruz, \$2800.

Following is complete list of bids received:

Wilson & McGranahan, Santa Cruz.....\$19,984
P. T. Wallstrom, Watsonville.....20,460
M. J. Murphy, Carmel.....21,755
Harold Geyer, Pacific Grove.....21,987
A. Staton, Oakland.....23,250
Ralph McLeran Co., San Francisco.....24,325

OAKLAND, Alameda Co., Cal.—Until October 27, 4 p. m., bids will be received by John W. Edgemond, secretary, Board of Education, Administration Bldg., E. 10th St. and Second Ave. to furnish and install program and electric clock system in the Fremont High School located on 45th and Foothill Blvd.

Sub-Contracts Awarded.

SCHOOL. Cost, \$—
REDWOOD CITY, San Mateo Co., Cal.
NE Katherine and Grand Sts.
Mechanical work for two-story concrete school (Spanish type; ten classrooms, club house, auditorium and cafeteria).

Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.

Architect—H. A. Minton, 525 Market St., San Francisco.

Contractor—L. N. Pollard, 232 Franklin St., Redwood City.

Plumbing—Dowd & Welch, 3558 16th St., San Francisco.

Mill Work—Pacific Manufacturing Co., Santa Clara.

Rein. Steel—Gunn Carle Co., 444 Mar-

ket St., San Francisco.

Mis. & Orn. Iron—San Jose Iron Works, 555 W. San Carlos St., San Jose.

Roofing—Peninsular Roofing Co., 240 Patia Ave., Mt. View.

Sheet Metal—Palo Alto Sheet Metal Works, 841 Alma St., Palo Alto.

Glass & Glazing—East Bay Glass Co., 418 S. Market St., San Jose.

Heating—John W. Forsythe, 521 S. Humboldt St., San Mateo.

Awning Type Windows—Universal Window Co., 1916 Broadway, Oakland.

Sub-Bids Wanted.

SCHOOL & HALL. Cost, \$242,000
BERKELEY, Alameda Co., Cal.

Two-story reinforced concrete primary school and one-story reinforced concrete academic dining hall (20 classrooms).
Owner—State of California.

Architect—Charles Roeth, 1404 Franklin St., Oakland.

The primary school building is two stories with reinforced concrete foundations, walls, floors, metal stud partitions, steel and concrete roof frame and clay tile roof. The academic dining hall is one-story with reinforced concrete foundations, walls, floor, concrete roof framing and clay tile roof. The Empire Construction Co., Shell Bldg., San Francisco, general contractors, desire sub-bids in connection with above for which general bids are to be opened October 13, 2 P. M.

Bids Opened

HEATING, ETC.

STOCKTON, San Joaquin Co., Cal.
Interior finish and heating plant for new building on the Prevocational School grounds.

Owner—City of Stockton, Ansel S. Williams, secretary, Board of Education, Lindsay and San Joaquin Sts., Stockton.

Architect—Losekann & Clowdsley, 309 Exchange Bldg., Stockton.

Following is a complete list of bids received.

General Work
George Roek, 1724 W. Cornell St., Stockton.....\$22,324
J. J. Cavanaugh, Stockton.....22,780
H. E. Vickroy, Stockton.....22,987
H. B. Brindle, Sacramento.....23,200
H. W. Johnson, Stockton.....23,225
Carl Nelson, Stockton.....23,536
H. H. Henning, Stockton.....23,880
C. H. Dodd, Stockton.....24,000
Barber & Love, Stockton.....24,140
S. T. Jiles, Stockton.....24,206
L. E. Touthaire, Stockton.....24,416
Sam Eyre, Tracy.....25,732

Electrical Work

Collins Electric Co., 708 E. Market St., Stockton.....\$ 3,413
Commercial Elec. Co., Stockton.....3,871
E. L. Gnekow, Stockton.....3,977
Eddy Electric Co., Stockton.....4,098
Con. Franke, Stockton.....4,115
Grider Electric Co., Stockton.....4,325
F. T. Schooley, Stockton.....4,475

Plumbing and Heating

Pahl-Harry Co., 427 E. Channel St., Stockton.....\$ 8,169
E. L. Gnekow, Stockton.....9,180
Wm. Gibson, Stockton.....9,358
Brundt Bros., Stockton.....9,733
Miller Hays Co., Stockton.....10,164
W. H. Picard, Oakland.....10,287
J. Black, Stockton.....10,600
Bids held under advisement for one week.

SACRAMENTO, Cal.—Sacramento City School District votes bonds of \$1,146,000 to finance erection of three new junior high schools, each to provide accommodations for about 1000 pupils. One school will be built at Sacramento Boulevard and Tenth Ave. on a site now being purchased by

the city board of education and would care for seventh, eighth and ninth grade pupils south of Stockton Boulevard and Second Ave. and east of Franklin Boulevard.

The second will be in the eastern part of the city to care for the junior high school population east of Alhambra Boulevard and north of Stockton Boulevard and Second Ave.

The third will be built on a location presumably not far from the present Crocker School to serve the Homeland-Curtis Park district. Chas. C. Hughes is secretary of the Board of Education.

Contract Awarded.

RETAINING WALL. Cost, \$15,000
TAFT, Kern Co., Cal.

Reinforced concrete retaining wall.
Owner—Taft Union High School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.

Contractor—G. A. Graham, 613 19th St., Bakersfield.

Contract Awarded

Cont. price \$4,675
HEATING SYSTEM
MODESTO, Stanislaus Co., Calif. Modesto Junior College.

Steam heating system in agricultural building, music hall, offices, etc.
Owner—Modesto City School District, E. D. Abbott, Secretary, Board of Education.

Contractor—Miller Hays Co., Grant & Weber Sts., Stockton.

Architect—Davis-Pearce Co., Grant and Weber Sts., Stockton.

BANKS, STORES & OFFICES

Sub-Contracts Awarded

STORE. Cost, \$6500
SAN FRANCISCO. West Portal Ave.

One-story frame and stucco store building.

Owner—Martin Stelling and J. Gould, 155 Montgomery St., San Francisco.

Architect—Bertz, Winter & Maury, 210 Post St., San Francisco.

Contractor—V. Filippis, 269 24th St., San Francisco.

Mill Work: Empire Planing Mill, 750 Bryant St.

Structural Steel: Sims & Gray Iron Works, 550 Bryant St.

Iron: Sims & Gray Iron Works, 550 Bryant St.

Sheet Metal: G. Rege, 2363 Larkin St.

Plastering: J. M. Picone, 63 Gilbert St.

Sub-bids are being taken on other portions of the work.

Contract Awarded.

ADDITION. Cost, \$6000
SACRAMENTO, Sacramento Co., Cal.

1312 R Street.

Addition to building.

Owner—Perkins & Co., premises.

Architect—Not Given.

Contractor—James T. Ransdall, 1424 35th St., Sacramento.

Sub-Contract Awarded.

STORE. Cost, \$15,000
OAKLAND, Alameda Co., Cal. Lake Park and Rand Ave.

One-story brick store (five stores; tar and gravel roof).

Owner—R. Thompson, 745 Walla Vista Ave., Oakland.

Architect—Ray Keefer and E. L. Herberger, 770 Westley Ave., Oakland

Contractor—Irwin Reimers, 745 Walla Vista Ave., Oakland.

Lumber—Sunset Lumber Co., 400 High St., Oakland.

Brick—W. H. Wisheropp, 434 Michigan Ave., Berkeley.

Steel—Moore Drydock Co., foot of Adeline St., Oakland.

Plans Being Figured—Bldgs Close
November 3, 2 P. M.
PRINT PLANT ADD. Cost, \$81,000
SACRAMENTO, Calif.
Two-story and basement reinforced concrete State Printing Plant Addition.

Owner—State of California.
Architect—Martin A. Sheldon, Monadnock Bldg., San Francisco.
Structural Engineer—W. L. Huber, No. 1 Montgomery St., S. F.
Heating Engineer—Leland and Haley, 58 Sutter St., San Francisco.

The addition is to be two stories and basement with reinforced concrete foundations, floors, walls and roof slab, hollow tile partitions, brick fire wall and composition roof.

Separate bids will be entertained for the following segregate parts of the work:

- (1) General Work, embracing all branches of the construction other than electric, heating, ventilating and plumbing work.
- (2) Electrical Work.
- (3) Heating and Ventilating Work.
- (4) Plumbing Work.
- (5) Combined Heating, Ventilating and plumbing work.

Alternate bids affecting the Electrical Work will be required for certain substitutions and omissions in materials as outlined in the Specifications and designated as Alternates No. 1 and No. 2.

Prospective Bidders.
REMODEL BANK Cost, \$—
TURLOCK, Stanislaus Co., Calif.
Remodel two-story brick and terra cotta bank (new vaults and vault doors, safe deposit, new heating plant, etc.).

Owner—Security State Bank.
Architect—G. N. Hilburn, Elks Bldg., Modesto.

Following contractors will submit bids:

General Work
C. A. Hilberg, 301 Cahill St., Turlock.
Anderson & Wiman, 528 Florence St. Turlock.
Niel & Wirtner, 322 Myrtle St., Turlock.
Frank Johnson, 610 E. Main St., Turlock.
Tornell & Co., 50 E. 11th St., Tracy.

Heating
Andy Thorsen, 134 Lander St., Turlock.
Carl Hedman, 316 Flower St., Turlock.

Lundstrom & Swanson, 420 A St., Turlock.
Bids are to be opened October 10, 7:30 P. M.

Plans To Be Prepared.
STORE Cost, \$100,000
SAN FRANCISCO. Chestnut St., bet. Fillmore and Scott Sts.

Owner—Withheld.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
More information will be given shortly.

Contract Awarded.
FOUNDATIONS, ETC. Cost, \$30,000
SAN FRANCISCO. Pine and Steiner Streets.

Structural steel footings and foundations for steel frame and concrete exchange building.

Owner—Pacific Telephone & Telegraph Co., 140 New Montgomery St.

Plans by Eng. Dept. of Owner.
Contractor—Langdon & Swinerton, Inc., 225 Bush St., San Francisco.

Excavation—Sibley Grading & Teaming Co., 165 Landers St., S. F.
Structural Steel—Steel Erectors Consolidated, Ltd., 15th and Carolina Sts., San Francisco.

Sub-Blds Wanted.
STORE Cost, \$15,000
OAKLAND, Alameda Co., Cal. Lake Park and Rand Ave.
One-story brick store (five stores; tar and gravel roof).
Owner—R. Thompson, 745 Walla Vista Ave., Oakland.
Architect—Ray Keefer and E. L. Herberger, 770 Westley Ave., Oakland
Contractor—Irwin Reimers, 745 Walla Vista Ave., Oakland.

SAN FRANCISCO.—Following contracts awarded by Leonard S. Leavy, city purchasing agent, under Proposal No. 750, to furnish office furniture for the San Francisco Water Department:
7 desks, steel, double flat top; 60 by 48 inches, No. 6048, page 26, at \$140.25 each; Rucker-Fuller Co., contractors.
1 desk, steel single flat top, 60 by 34 inches, No. 6034, page 23, at \$79.05 each; Rucker-Fuller Co., contractor.
15 chairs (oak) revolving arm, No. 5489 W, page 37, at \$18.23 each; Neal, Stratford & Kerr, contractors.

Bids Wanted—To Close October 27
2 P. M.

SECTIONAL PARTITIONS
Cost, \$40,000
LOS ANGELES, Cal., State Bldg.
Sectional Partitions in State Building
Owner—State of California
Architect—George E. McDougall, State Architect, Public Works Bldg., Sacramento.

Contract Awarded
STORE Cost \$6000
MONTREY, Monterey Co., Calif., Lot 8, Block 26.

One-story concrete store (built-up roof pine floors.)

Owner—Thomas Wood
Architect—A. W. Story & W. W. Hastings, Pajaro Valley Bank Bldg., Watsonville.
Contractor—Chester Raymond, 203 Pine St., Pacific Grove.

Contract Awarded
ALTER STORES Cost \$6000
SAN FRANCISCO, Calif., 374 Pine St.
Alteration to Stores.
Owner—Bank of America, Bank of America Bldg.
Architect—H. A. Minton, 525 Market St., San Francisco.
Contractor—Capital Co., 525 Market St.

Plans To Be Revised
MARKET & RESIDENCE Cost, \$7000
SAN JOSE, Santa Clara Co., Calif.,
Auzerais St., near Bird Ave.

Two-story frame and stucco market and residence (5 room residence; terra cotta tile roof, etc.)
Owner—Rocca Albanese (Sodality Market), 402 Bird Ave., San Jose.
Architect—W. E. Higgins, Realty Bldg., San Jose.

To Ask Bids In About Two Weeks
REMODEL MARKET Cost, \$25,000
OAKLAND, Alameda Co., Cal. Grand and Webster Sts.

Remodel and renovate reinforced concrete market (12 departments).
Owner—Grand-Webster Bldg. Corp.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Lessee—City Properties, Inc., 1736 Franklin St., Oakland.

Plans Being Prepared.
EXCHANGE BLDG. Cost, \$—
SAN FRANCISCO. Pine and Steiner Streets.

Two-story and basement reinforced concrete and steel frame telephone exchange building.

Owner—Pacific Telephone & Telegraph Co., 140 Montgomery St., San Francisco.
Architect—Eng. Dept. of Owner.
It is expected to call for bids in

about sixty days.
As previously reported following awards have been made:
Footings and Foundations. Langdon Swinerton, Inc., 225 Bush St.
Excavation—Sibley Grading & Teaming Co., 165 Landers St., S. F.
Structural Steel—Steel Erectors Consolidated, Ltd., 15th and Carolina Sts., San Francisco.

To Ask Bids In Two Weeks
MARKET Cost \$—
WATSONVILLE, Santa Cruz Co., Cal. E Lake Ave.
One and one-half story reinf. concrete market (1½ floors; 50x40-ft.).
Owner—W. H. Weeks and A. F. Beck, 525 Market St., San Francisco.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Lessee—City Properties, Inc., 1736 Franklin St., Oakland.

Separate bids will be taken for refrigeration plant, equipment, display cases and fixtures.

Sub-Contracts Awarded
STORE Cost, \$5,000
SAN FRANCISCO, N Haight St. W
Ashbury St.
One-story frame and stucco store.
Owner—L. Livingston, Russ Bldg.
Architect—Bertz, Winter & Maury, 210 Post St.
Contractor—Young & Horstmeyer, 461 Market St.
Electric: Apex Electric Co., 154 Leavenworth St.
Painting: Murray Bros., 343 31st Ave.

Plans Completed—Elevator Contract
Awarded.
New elevators, etc. Cost, \$200,000
SAN FRANCISCO. Montgomery and Bush Streets.

Alterations to elevator shafts and installation of six electric passenger elevators, construct pent house.
Owner—Mills Estate, Mills Bldg., San Francisco.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.
Elevators—Otis Elevator Co., 1 Beach St., San Francisco.

Whether bids will be called for or not in connection with the alteration work is indefinite at this time.

THEATRES

OAKLAND, Cal.—Electric Products Corp., 950 30th St., Oakland, at approximately \$9,000 awarded contract by Paramount Theatre to construct an electric sign on west line of Broadway between 20th and Hobart Sts.

Work Under Way My Owner.
REMODEL THEATRE Cost, \$5,000
SAN FRANCISCO. No. 160 O'Farrell Street.

Alterations to present theatre (acoustic and electric sound equipment, painting and decorating).
Owner—Wm. G. Irwin Estate, Russ Bldg., San Francisco.
Plans by Owner.

Lessee—International Filmarte (Rep. by 1930, 1930, Columbia Theatres, 135 O'Farrell St., S. F.

WHARVES AND DOCKS

Bids Wanted—To Close Oct. 15, 2 P. M.

STEEL DOORS Cost, \$—
SAN FRANCISCO. Pier No. 38.
Twelve steel rolling doors.
Owner—State of California (Harbor Commission).
Engineer—Frank White, Ferry Bldg.

Engineering News Section

BRIDGES

MADERA COUNTY, Calif.—State Highway Commission on Sept. 28 accepted the contract of the Thermolite Const. Co. on the reinforced concrete girder bridge across Berenda Slough on the Golden State Highway. Contract price, \$31,500.

RED BLUFF, Tehama Co., Cal.—As previously reported, R. B. McKenzie, Red Bluff, at \$40,550 awarded contract by county supervisors to construct a steel bridge and wooden bent trestle approach over the Sacramento river, 6 miles north of Red Bluff, involving: 330 cu. yds. concrete; 260 cu. yds. excavation; 133,000 ft. timber; 354,000 lbs. structural steel; 53,785 lbs. steel cylinders; 800 tons rip rap; 11,500 lbs. reinforcing steel.

Following is a complete list of bids received, the three low bidders being previously reported:

R. B. McKenzie, Red Bluff.....\$40,550
C. F. Gutleben, Oakland.....42,800
Harry Porter, Gerber.....47,500
Geo. Pollock Co., Sacramento.....52,591

UKIAH, Mendocino Co., Cal.—Smith Bros., 1636 E St., Eureka, submitted sole bid of \$6400 to county supervisors for construction of a bridge across James Creek, Third Supervisorial District. The bid was rejected and the work will be done by day labor. The project involves:

(1) One 72 foot A truss span.
(2) Two abutments and cribs in place; 25,000 ft. B. M. in a 72 ft. A truss; floor joists dense select, balance select structural; 56,000 ft. B. M. in 2 abutment cribs, including wings and ties, select structural; iron rods as shown on plans and specifications, with turned buckles; castings, iron plates, iron washers and bolts as shown on plans; 12-in. spikes for nailing floor; one-inch iron dowels as shown on plans.

SAN JOSE, Santa Clara Co., Cal.—Until October 13, 8 P. M., bids will be received by John J. Lynch, city clerk, to construct reinforced concrete subway under Santa Clara street opposite the Horace Mann School near Seventh street. Work under 1911 Act. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Wm. Popp, city engineer.

SAN JOSE, Santa Clara Co., Cal.—Until Oct. 13, 8 P. M., bids will be received by John J. Lynch, city clerk, (5410) to construct reinforced concrete pedestrian subway under Park Ave. at Randol Ave. Work under 1911 Act. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Wm. Popp, city engineer.

MODESTO, Stanislaus Co., Calif.—Until October 13, 11 A. M., bids will be received by C. C. Eastin, county clerk, to construct retaining wall at bridge over Hood Creek on the Milton Road in Road District No. 1. Certified check 10% required with bid. George Macomber, county surveyor.

LOS ANGELES, Cal.—Until 2 P. M., October 26, bids will be received by county supervisors for the construction of bridge on Ramona Blvd., over Rubio Wash. Plans were prepared by W. D. Armstrong, bridge engineer of Los Angeles County. Specifications provide for alternative types, viz., redwood and Douglas fir. The bridge will consist of three spans, each 21 ft. in length, with a 20-ft. roadway. The structure will be of timber construction with concrete deck on short piling set in concrete. The approximate quantities are:

(1) 223 cu. yds. class A concrete;
(2) 102 cu. yds. class B concrete;
(3) 22,000 board ft. lumber;
(4) 486 lin. ft. piling;
(5) 3000 lbs. reinf. steel;
(6) 930 cu. yds. excavation.
Mame B. Beatty, 303 Hall of Records, Clerk of the Board.

SACRAMENTO, Cal.—George W. Kopp, 1514 15th St., Sacramento, at \$1,274.88 submitted low bid to county supervisors to construct wooden bridge on Meadow View Road. Bids follow:
Geo. W. Kopp, Sacramento.....\$1,274.88
J. F. Bender, Sacramento.....1,386.30
M. R. Peterson.....1,532.63
James Lillico, Elk Grove.....1,610.26
Geo. D. Hudnutt, Inc., Sacramento.....1,612.44
H. Gould, Sacramento.....1,622.04
George J. Porter.....1,648.20
H. Varasio.....1,734.32
Smith & Green.....1,827.06

EUREKA, Humboldt Co., Cal.—Henry Padgett, Fields Landing, at \$3,429 awarded contract by county supervisors for repairing Mad River Slough Bridge in Road District No. 5. Complete list of bids follows:
Henry Padgett.....3,429
W. S. Salvage, Eureka.....3,623
Elmer Gardner.....3,740
Mercer-Fraser Co., Eureka.....4,528
Smith Bros., Eureka.....4,887
F. J. Maurer & Stone, Eureka.....5,400

BERKELEY, Alameda Co., Calif.—Until October 26, 8 P. M., new bids will be received by Board of Education to construct a concrete culvert in Strawberry Creek on the site of the Burbank Junior High School gymnasium in the south side of Addison St. between Brown and Curtis Sts. Previous bids were rejected, the lowest being submitted by A. Soda and Son, 1077 65th St., Oakland, at \$2,880. Plans obtainable from secretary of the Board of Education.

SAN BENITO COUNTY, Cal.—Until October 28, 2 p. m., bids will be received by State Highway Commission to construct two bridges in San Benito County about 3 miles south of Gilroy: one a reinforced concrete girder bridge across San Juan Creek, consisting of one 34-ft. span and two 23-ft. spans on concrete bents and an abutment; the other across the San Benito River, consisting of three 100-ft. steel deck truss spans with concrete deck on concrete piers with pile foundations and ten 40-ft. reinforced concrete girder spans on concrete pile bents. Quantities of materials involved and wage scales will be published in tomorrow's issue.

SISKIYOU COUNTY, Cal.—Until October 28, 2 p. m., bids will be received by State Highway Commission to construct bridge over Beaver Creek, 15.5 miles west of Junction Rt. 3, consisting of three 50-ft. steel beam spans on concrete bents and abutments with wing walls. Quantities of materials involved and wage scales will be published in tomorrow's issue.

SACRAMENTO, Cal.—Geo. W. Kopp, 1514-15th St., Sacramento, at \$1274.88 awarded contract by county supervisors to construct wooden bridge on Meadow View Road.

LOS ANGELES, Cal.—Merrill Butler, Chief Engineer of Bridges and Structures for the City of Los Angeles, has completed plans for the footings for the grade separation structure to carry First street across the intersection of Glendale Ave. They will be of reinforced concrete on concrete piling, the water at this point being approximately 10 ft. from the surface.

The piling will be chiefly in 35 ft. lengths. The reinforcing steel has not been estimated, but the estimate on concrete and piling follows: 2470 cu. yds. class F concrete; 16,090 lin. ft. concrete piling, alternative bids to be taken on standard types.

The two principal footings will be 59x13 ft., using 80 piles, and 59x14 ft., using 60 piles.

The superstructure, for which a separate contract will be let, will consist of a steel arch structure, part through and part open deck of a type used in Continental Europe, and reported to be the first of its type to be built in America. The steel span will carry a concrete deck with all metal railing. The east end will consist of retaining wall, two 67.5 ft. spans, one 108-ft. span, with a centre span of 202.5 ft. in length. The west end will consist of one 108-ft. span and a retaining wall. The retaining walls will be cross-anchored in three levels. The viaduct will carry the First St. car line tracks on a 41-ft. roadway, but will have no pedestrian walks. The ornamental lighting system will be provided for by a combination trolley and lighting standard of Union Metal special heavy design, or equal, 20 standards in all.

MERCED, Merced Co., Cal.—Following contracts awarded by county supervisors for bridges in various sections of the county:

Miller and Dean, Madera, at \$4804; Bridge No. 238—In R. Dist. No. 2—File timber bridge over Mariposa Creek on Mitchell and Fresno Road. Bridge No. 235—In R. Dist. No. 2—Concrete abutment on bridge over Mariposa Creek on Le Grand and Geneva Road. Bridge No. 236—In R. Dist. No. 1—Timber bridge over Dry Creek on Lower La Grange Road.

D. A. Wayne, Atwater, at \$2200—Bridge No. 232—In R. Dist. No. 3—File timber bridge over Bear Creek on British Colony Road.

D. A. Wayne, Atwater, at \$2039—Bridge No. 234—In R. Dist. No. 3—File timber bridge over East Side Canal on British Colony Extension Road.

E. K. Angle, Dos Palos, at \$2550—Bridge No. 237—In R. Dist. No. 5—

Pile timber bridge over Canal on road on south line of Sec. 35. Bridge No. 238—In R. Dist. No. 5—Pile timber bridge over Poso Slough on road on east line of Sec. 35. Bridge No. No. 238—In R. Dist. No. 5—Pile timber bridge over canal on road on east line of Sec. 1. Bridge No. 240—In R. Dist. No. 5—Pile timber bridge over canal on Golden State Ave. in town of Dos Palos.

BUTTE AND COLUSA COUNTIES.
Cal.—R. B. McKenzie, Red Bluff, at \$9150, awarded contract by State Highway Commission, for repairs to a bridge over the Sacramento River near Hamilton City, consisting of reconstructing the timber deck of one 314-ft. 4-in. swing span and two 134-ft. 9-in. approach spans. Complete list of unit and total bids reported in issue of October 1.

VENTURA COUNTY, Cal.—Until October 28, 2 p. m., bids will be received by State Highway Commission to construct a reinforced concrete bridge across Arroyo Cojueque, about one mile east of Camarillo, consisting of one 60-ft. span and two 30-ft. spans on concrete piers with concrete pile foundations and concrete pile bents. Quantities of materials involved and wage scales will be published in tomorrow's issue.

DREDGING, HARBOR WORKS & EXCAVATIONS

SAN DIEGO, Cal.—Until 11 A. M., October 16, bids will be received by Public Works Officer, 11th Naval District, San Diego, for dredging at the Naval Operating Base (Destroyer Base), under Specifications No. 6686. The work consists of the dredging of an area north of the approach of the marine railway and parallel and adjacent to the lines of the new quay wall. The approximate estimated yardage, including over-cut, is 100,000 cubic yards. Specifications obtainable from Public Works Officer, Headquarters, Eleventh Naval District, Ft. of Broadway, San Diego.

ORANGE COUNTY, Cal.—Until October 14, 2 p. m., bids will be received by District Engineer, State Highway Commission, 1111 Associated Realty Bldg., Los Angeles, to construct 0.3 mile of highway embankment near Newport Beach. Material is to be dredged from the channel known as the North Arm of Newport Bay. Project involves \$2,000 cubic yards. Specifications and further information obtainable from the district engineer at Los Angeles.

MERIDIAN, Sutter Co., Cal.—Lord & Bishop, 415 Native Sons' Bldg., Sacramento, at \$57,725.30 submitted low bid to U. S. Engineer Office, Sacramento, under Circular Proposal No. 32-77, Specification No. 3523, for repair of Tisdale Weir, construction of concrete pile bents for bridge, cobblestone revetment of approach slope and talus of the weir at Tisdale By-Pass, nine miles south of Meridian. Bids follow:

Lord & Bishop, Sacramento.....	\$57,725.30
Lindgren & Swinerton, Sacramento and San Francisco.....	59,331.35
M. A. Jenkins, Sacramento.....	62,081.65
F. A. Bohner, San Jose.....	62,211.52
O. G. Ritchie, San Jose.....	64,053.51
M. B. McGowan, S. F.....	66,477.10
Geo. Pollock Co., Sacramento	66,998.80
I. M. Sommers Co., S. F.....	68,193.63
Holdener Construction Co., Sacramento	70,050.41
Ben C. Gerwick, Inc., S. F.....	73,088.20
Skeels & Graham, Roseville.....	75,469.00

GILROY, Santa Clara Co., Cal.—City Engineer Raymond Fisher is preparing plans for reconstruction of three bridges within the city limits, one in Chestnut St., another in Lewis St. and a third in Monterey St.

IRRIGATION PROJECTS

BURLEY, Idaho—Haas Roughty & Jones Co., Merchants Exchange Bldg., San Francisco, at \$117,551 awarded contract by U. S. Bureau of Reclamation for earthwork and structures on the Milner-Gooding Canal bet. Station 3317 plus 21 and Station 3737 plus 10, and the earthwork enlargement of the North Gooding Canal bet. Station 27 and Station 257. The work is located near Shoshone, Idaho, a station on the Oregon Short Line Railroad. The principal items and the estimated quantities involved are as follows:

- 523,000 cu. yds. of all classes of excav.
- 300,000 sta. cu. yds. of overhaul;
- 3500 cu. yds. of backfill about struc.;
- 330 cu. yds. of concrete;
- placing 20,000 lbs. of reinf. bars;
- laying 1032 lin. ft. 18- to 36-in. dia. precast concrete pipe;
- laying 64 lin. ft. of 21- to 24-in. corr. metal pipe;
- erecting 264 lin. ft. of semi-circular metal flume;
- erecting 70 M. ft. B. M. of timber in structures;
- installing 4200 pounds of gates, gate hoists and other metal work.

STREET LIGHTING SYSTEMS

GLENDALE, Los Angeles Co., Cal.—Until October 22, 10 A. M., bids will be received by city council to furnish and install combination light and trolley standards in Brand Blvd. from the Southern Pacific R. R. tracks to Arden St. Specifications on file in office of city engineer.

PASADENA, Los Angeles Co., Cal.—H. C. Reid & Co., 109 E. Normandie Ave., Los Angeles, submitted the low bid to city directors at \$38,825 to construct lighting system in Colorado St., between Broadway and El Molino Ave., about five blocks. The system will involve 60 Union Metal double light standards. The bids were taken under advisement by Harvey W. Hicks, city engineer. The other bids were: H. H. Walker, \$39,292; Newbery Electric Corp., \$39,610; Osborn Co., \$39,979; Elec. Lighting Supply Co., \$40,800; Underground Constr. Co., \$40,939; Walker-Martin Corp., Ltd., \$41,060.

LOS ANGELES, Cal.—Newbery El. Corp., 726 S. Olive St., awarded contract by board of public works Sept. 30 at \$34,451 for constructing an ornamental lighting system in Third St. bet. Figueroa St. and Vermont Ave., involving 65 Marbelite type S-283 standards to be installed in Third St. bet. Figueroa and Columbia Ave. and 153 Marbelite type 2500 standards to be installed bet. Columbia Ave. and Vermont Ave., together with conduits, cables, etc.

LOS ANGELES, Calif.—Until 10 A. M., Oct. 14, bids will be received by board of public works for constructing an ornamental lighting system in Leimert Blvd. bet. Stocker Place and Vernon Ave., and portions of Degnan Blvd., Crenshaw Blvd., and other streets, involving Marbelite concrete standards, conduit, cable, etc. 1911 Act.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—Until Oct. 19, 7:30 P. M. bids will be received by Daniel McSweeney, city clerk (73) to install ornamental street lighting with under-

ground system in portions of Grand Ave. bet. Division St. and Spruce Ave. and Spruce Ave. bet. Grand Ave. and a point 25 ft. north of Grand Ave., involving 46 Duplex cast iron electro-lumens of the Westinghouse Special California type. 1911 Act. Bond Act 1915.

Certified check 10% payable to city required with bid. Plans on file in office of clerk.

GLENDALE, Los Angeles Co., Cal.—Until 10 A. M., Oct. 22, bids will be received by city council to install ornamental lighting system in Brand Blvd. bet. Arden Ave. and the Southern Pacific Ry. tracks at the south city limits, under the Vrooman Act, involving 254 combination trolley and lighting poles, each with two lighting units. The standards are of the special city design, of cast iron and steel construction. J. C. Albers, city engineer.

MACHINERY AND EQUIPMENT

OXNARD, Ventura Co., Cal.—Until 7:30 P. M., Oct. 13, bids will be received by Oxnard Union high school district for one school bus with a capacity of 48 to 50 students. Bids must be submitted on chassis and body separately and an alternate bid may be submitted on the complete unit. Each bidder must make allowance for one Reo school bus to be turned in on purchase. Cashier's or certified check for 5 per cent must accompany each bid. B. F. Barr, clerk.

UKIAH, Mendocino Co., Cal.—Until Oct. 14, 8 P. M., bids will be received by the city council for the following second-hand gas plant equipment:

(1) 7½x25-ft. oil gas straight shot generator, cast steel, with stack, stack valve, blast valve, blast tee, blast air line, burners and burner flanges and atomizers, complete with wash box, seal pot and fittings for capacity of 15,000 cu. ft. per hour.

(2) two 6x20½-ft. scrubber shells, each complete with seal pot, trays and fittings.

(3) operating table, complete with oil meters, valves and gauges necessary for the operation of above generator.

(4) No. 6 Sturtevant blower together with one 20-hp. 3-phase, 220-volt, 900-rpm. General Electric Type KT motor with starting compensator and belt.

(5) 2 4½x2¼x4-in. Worthington duplex boiler pumps with one Mason lubricator and regulator.

(6) 2 4½x2¼x4-in. Worthington duplex oil pumps with one lubricator.

(7) 12x14-in. motor driven Chicago pneumatic compressor together with one 40-hp. 3-phase, 220-volt, 900-rpm. General Electric Type KT motor with starting compensator, switch and belt.

(8) station meter, Roots No. ½. No lump sum bids. Certified check 10%, payable to city required with bids.

AUBURN, Placer Co., Cal.—Spensers Wells Machinery Co., San Francisco, at \$6,994 awarded contract by county supervisors to furnish one dragline for use on county improvements. Other bids: Edw. R. Bacon Co. San Francisco, \$6,584; R. A. Bowden Co., \$6,964.

OAKLAND, Cal.—Until October 12 4:30 P. M. bids will be received by G. B. Hazard, Secretary, City Port Commission, Grove Street Pier, to construct adjustable floating ramp at the Inland Waterways Terminal at the Foot of Webster Street, estimated cost \$2000. Plans obtainable from above office.

WHITTIER, Los Angeles Co., Cal.—Until 2 P. M., October 17, bids will be received by the Lowell Joint school district for furnishing a school bus. Certified check for 5 per cent must accompany each bid. C. C. Milhous, clerk, Route 1, Whittier.

OAKLAND, Cal.—Until October 19, 5:30 P. M., under Proposal No. 352, bids will be received by John H. Kimball, Secretary, East Bay Municipal Utility District, 512 Sixteenth St., to furnish one 100-hp. 30-horsepower tractor with blade scraper. Specifications obtainable from above office.

LOS ANGELES, Cal.—Until 2 P. M., October 13, bids will be received by county supervisors for the rental by the flood control district of trucks and drivers on an hourly basis for the hauling of excavated earth from Channel excavation to be made on Balboa Creek between Overland Ave. and Inglewood Blvd. The estimated requirements are 7000 truck hours. All trucks are to have a maximum capacity of 5 cu. yds. The bid is to include in the unit price rental of trucks, cost of driver and helper, gas, oil, tires, maintenance, depreciation, insurance, and all incidental costs. Payment will be made only for actual time trucks are in operation at the site. E. C. Eaton, 202 N. Broadway, is the Chief Engineer of district.

SACRAMENTO, Cal.—Until 10 A. M. October 30, bids will be received by the State Purchasing Agent, Sacramento, for furnishing road graders to Division of Highways, Headquarters Shop, delivery to be made about January 1, 1932. The items to be bid on are as follows:

- (1) 2-8-ft. "High Lift" type leaning wheel graders. Price to be quoted on basis of delivery to Sacramento and also on knocked-down graders.
- (2) 10 more or less 8-ft. leaning wheel graders with scarifier attachments. Scarifier attachments to be independent of mouldboard.
- (3) 12 more or less heavy duty 8-ft. leaning wheel graders.
- (4) 4 more or less 7-ft. wheel graders.
- (5) 3 more or less heavy duty 7-ft. leaning wheel graders.

In communicating with the state purchasing agent, mention Requisition No. 12419, Sheet No. 174.

FIRE EQUIPMENT

FRESNO, Fresno Co., Cal.—American La France Fire Engine Co., at \$1,435 awarded contract by city commissioners to furnish and deliver an assembly for motor fire truck.

SAUSALITO, Marin Co., Cal.—Until Oct. 12, 8 P. M., bids will be received by W. Z. Tiffany, city clerk, to furnish:

- (1) 700 ft. 2½-in. standard fire hose;
- (2) 300 ft. 1½-in. standard fire hose.

Further information obtainable from city clerk.

SEATTLE, Wash.—Until October 16, 10 A. M., bids will be received by Wm. D. Freeman, city purchasing agent, to furnish 7600-ft. double jacket, rubber lined fire hose, delivered Station No. 1, Seventh Ave. and Columbia St. Specification obtainable from above.

RESERVOIRS AND DAMS

CLE ELUM, Wash.—Lahar Construction Co., Boonville, Mo., at \$198,875 awarded contract by U. S. Reclamation Service, Ronald, Wash., for clearing the Cle Elum Reservoir site,

Yakima Project, located about 10 miles northwest of Cle Elum. Land to be cleared is about 2,665 acres.

BEVERLY HILLS, Los Angeles Co., Cal.—Until 8 P. M., October 27, bids will be received by city council to construct a reinforced concrete slab roof for the reservoir on La Cienega Blvd. Plans may be obtained from Sallsbury, Bradshaw & Taylor, consulting engineers, Petroleum Securities Bldg., Los Angeles. B. J. Firminger, city clerk.

NAPA, Napa Co., Cal.—Roland A. Vandegrift, state director of finance, advocates the construction of a dam in Rector Canyon in the Napa County hills, to provide an adequate water supply for state institutions in Napa County. Tentative estimates place the cost at \$1,000,000. The stored water would supply the Napa State Hospital, the Napa State Farm and the Yountville Veterans' Home with water for domestic and irrigation purposes.

PIPE LINES, WELLS, ETC.

PALO ALTO, Santa Clara Co., Cal.—City council has provided funds to finance drilling well in the Middlefield road to provide additional water supply. J. F. Byxbee, city engineer.

LOS ANGELES, Cal.—Consolidated Steel Corp., 1200 N. Main St., submitted the low bid to city purchasing agent October 5 at \$5.55 per lin. ft. for 1260 lin. ft. laying lengths, 30-in. diameter, welded steel water pipe, under Specification No. 2625, f. o. b. trenchside, Stone Canyon Road. Western Pipe & Steel Co. submitted the only other bid at \$5.80 per lin. ft.

LOS ANGELES, Cal.—Until 11 A. M., October 16, bids will be received by city purchasing agent, Thomas Oughton, for furnishing lap-welded, electric-resistance-welded and seamless steel water pipe for department of water and power. Specification No. 2630. The items are:

- (1) 2000 lin. ft. 12½-in., outside diameter, steel water pipe, thickness of wall 5/16-in., dipped in Walles-Dove Hermetic pipe coating at bidder's plant, f. o. b. on road at easterly end of Hollywood reservoir dam;
- (2) alt. bid on item (1), dipping pipe in or adjacent to city of Los Angeles;
- (3) 1100 ft. 16-in. outside diameter, steel water pipe, thickness of wall ½-in., dipped in Walles-Dove Hermetic pipe coating, at bidder's plant, f. o. b. trenchside in Marquez Ave., between 300 ft. easterly of Ida St. and continuing southerly to Beverly Blvd.;
- (4) alternate bid on item (3), dipping pipe in or adjacent to city of Los Angeles.

SEWERS AND SEWAGE DISPOSAL PLANTS

AMERICAN LAKE, Wash.—Construction Division, U. S. Veterans' Bureau, Arlington Bldg., Washington, D. C., is preparing plans for an outfall sewer from four to five miles in length, extending from the American Lake Veterans' Hospital to Puget Sound. Further details will be published in an early issue.

SAN LUIS OBISPO COUNTY, Cal.—Until October 14, 2 p. m., bids will be received by L. H. Gibson, district engineer, State Highway Commission,

Bank of Italy Bldg., San Luis Obispo, for additions to the existing sanitary sewer and water systems at Arroyo Grande in San Luis Obispo county. Plans and further information obtainable from engineer.

WESTMORELAND, Imperial Co., Cal.—Until October 22, 7:30 p. m., bids will be received by Westmoreland Sanitary District to construct sewer laterals, involving:

- (1) 17,000 ft. 8-in. vitrified sewer;
- (2) 3,000 ft. 10-in. vitrified sewer;
- (3) 3,000 ft. 12-in. vitrified sewer;
- (4) 51 manholes;
- (5) 6 flush tanks.

Plans were prepared by the Currie Engineering Co., Anderson Bldg., San Bernardino. Certified check or bond, 10%. No bids received for this work on October 1. Plans are obtainable from the engineers.

ALBANY, Alameda Co., Cal.—An agreement has been reached by the directors of the Stege Sanitary District and the city trustees of Albany for the city's use of the district's main outfall sewer. The city will construct connecting sewer at a cost of \$11,000, the work to be financed under the 1911 Act.

LONG BEACH, Cal.—Until November 6, 2 P. M., bids will be received by city council to construct sewers in the North Long Beach Sewer District (Pump Sewer District No. 11). Proceedings under 1911 Act. The district embraces all of North Long Beach north of the Virginia County Club. The system will involve about 314,746 lin. ft. of sewer with necessary structures and pumping stations. The items are:

- 247,012 ft. 18-in. clay sewer;
- 17,590 ft. 12-in. vit. clay sewer;
- 2615 ft. 15-in. vit. clay sewer;
- 1515 ft. 18-in. vit. clay sewer;
- 2745 ft. 21-in. vit. clay sewer;
- 4484 ft. 24-in. vit. clay sewer;
- 3266 ft. 27-in. vit. clay sewer;
- 2513 ft. 30-in. vit. clay sewer;
- 295 ft. 33-in. vit. clay sewer;
- 4184 ft. 24-in. centrifugally spun R. C. P.
- 2580 ft. type B concr. backfill for 8-in. pipe;
- 16 ft. type A concr. backfill for 8-in. pipe;
- 60 ft. type A concr. backfill for 10-in. pipe;
- 87 ft. type A concr. backfill for 12-in. pipe;
- 6000 tons rock or gravel for sub-base
- 1088 type A standard manholes;
- 15 type C standard manholes;
- 39 type D standard manholes;
- 8 type E standard manholes;
- one spillway junction chamber;
- 82 standard lampholes;
- 95,585 ft. 6-in. vit. connecting sewer;
- one pumping station, including two 6-in. and one 8-in. pump, the total requirements being 600 G. P. M.

H Paterson is the city engineer.

PITTSBURG, Contra Costa Co., Cal.—Burke Calfee, engineer, El Cerrito, has submitted estimates of cost to property owners in the Enes Tract, Bella Vista, Orlistonia Heights, Ambrose and other suburbs in Pittsburg, for an outfall sewage system. The cost is placed at \$30,000 which includes main sewer line, septic tank and outfall.

REDLANDS, San Bernardino Co., Cal.—An election will be held Oct. 20 to vote on a bond issue to provide funds for the construction of a sewage treatment plant and an outfall sewer. Geo. Hinkley, city engineer; Currie Eng. Co., Anderson Bldg., San Bernardino, consulting engineer.

LOS ANGELES, Cal.—Plans for the following sewer projects are being prepared in the office of J. J. Jessup, city engineer, and bids for construction will be asked within the next few months:

Section No. 2 of the Wilmington Intersecting Sewer; estimated cost, \$197,100.

Section No. 1 of the Wilmington Intersecting Sewer; estimated cost, \$109,100.

Section No. 3 (pumping plant) for Wilmington Intersecting Sewer; estimated cost, \$40,000.

Venice Outfall Sewer Pumping Plant estimated cost, \$31,654.

West Channel Road Sewer (Dist.); estimated cost, \$19,500.

EL CERRITO, Contra Costa Co., Cal.—City Engineer H. D. Chapman is preparing plans for 630 ft. sewer extension in Silver Ave., cast iron pipe will probably be specified.

LOS ANGELES, Cal.—Until Oct. 21, 10 A. M., bids will be received by the Board of Public Works to construct Section No. 1 of the Wilmington Intersecting Sewer, south of Anaheim, St. bet. the Intersection of Badger Ave. and Anaheim St. and the sewer right of way extending south from McFarland Ave., involving:

Type I—Precast Reinforced Concrete Pipe Sewer

- (1) Item A—3293.15 ft. 4-in. precast reinf. concrete pipe sewer and appurtenances, including resurfacing;
 - (2) Item B—904.02 ft. 4-in. interlocking clay segmental block sewer, etc.;
 - (3) Item C—353.78 ft. 3-in. vit. clay pipe sewer, etc.;
 - (4) Item D—3773.79 ft. 3-ft. precast reinf. concrete pipe sewer, etc.
- Type II—Semi-elliptic Brick Concrete Sewer
- (5) Item A—3293.15 ft. 3-ft. 9-in. semi-elliptic brick concrete sewer, including curves, structures, etc., and including all resurfacing;
 - (6) Item B—904.02 ft. 4 ft. interlocking vit. clay segmental block sewer, etc.;
 - (7) Item C—353.78 ft. 3 ft. vit. clay pipe sewer, etc.;
 - (8) Item D—3773.79 ft. 2-foot 9-inch semi-elliptic brick concrete sewer, etc.

LAS VEGAS, Nevada.—Until Oct. 26 bids will be received by city council to construct sewage disposal plant and certain sewer mains. Bonds of \$160,000 have been voted to finance this work of which amount \$120,000 will be expended for the disposal plant and the balance for sewer mains. Plans by Webster L. Benham, consulting engineer, Kansas City, Mo. A. R. Thompson it city engineer of Las Vegas. Quantities of materials involved in this project will be published shortly.

MISCELLANEOUS CONSTRUCTION

ALAMEDA, Alameda Co., Cal.—Until October 15, 2 P. M., bids will be received by the U. S. Bureau of Public Roads, 461 Market St., San Francisco, for constructing Unit 1 of development program on Government Island at Alameda, involving the removal of seven existing frame structures, water supply line and railroad tracks, the major items of the work including

56,782 cu. yds. unclass. excavation;

Removing seven existing frame buildings;

1,481 lin. ft. remove and salvage 6-in. water supply line;

Remove and salvage railroad track.

Plans obtainable from C. H. Sweet-

ser, district engineer, 461 Market St., San Francisco, on deposit of \$10, returnable, checks for same to be made payable to the Federal Reserve Bank of San Francisco.

SAN BERNARDINO, Calif.—Klimball-Krogh Pump Co., 1010 E. 62nd St., awarded contract by city water commission at \$4311 for furnishing and installing a pump in city well No. 4 in the Antil Basin. Specifications required a capacity of 2700 G. P. M. against a head of 100 ft., to maintain a flow of 300 inches. The other bids were:

Hyron-Jackson Co., \$4363;
Peerless Pump Co., \$4385;
Wintroath Pumps, Ltd., \$4341.

LOS ANGELES—Until 11 a.m., October 14, bids will be received by city purchasing agent, Thomas Oughton, for furnishing concrete meter boxes and covers for a twelve-month period, under Specification No. 2617, for department of water and power. The items are:

- (1) Concrete meter boxes and covers, f. o. b. 442 Ducommun St., Los Angeles;
- (2) Concrete meter boxes and covers, f. o. b. Franklin and Las Palmas, Hollywood;
- (3) Concrete meter boxes and covers, f. o. b Van Nuys;
- (4) Extra covers for concrete meter boxes, f. o. b. 442 Ducommun St., Los Angeles.

BEVERLY HILLS, Los Angeles Co., Cal.—City rejects bids and will revise specifications for recording water meter. New bids will be taken on the revised specifications.

NORTH SACRAMENTO, Sacramen. Co., Cal.—Carl Knight, city engineer, in a preliminary report to the city council estimates the cost of a municipal water system at \$60,000, including the installation of pumps, water lines, hydrants, etc. Surveys for such a system are now being made.

GILROY, Santa Clara Co., Calif.—City council sets October 15 as date to vote bonds of \$8,000 to finance drilling well in connection with municipal water system. Raymond Fisher, city engineer. E. F. Rogers, city clerk.

LOS ANGELES, Calif.—Chicago Bridge & Iron Works, 426 Pacific Mutual Bldg., awarded contract by county supervisors October 1 at \$9515 for furnishing and erecting a circular steel water storage tank at the Los Angeles General Hospital. The tank will be 38 ft. in diameter and will have a tower 50 ft. high.

WATER WORKS

OAKLAND, Cal.—Until October 19, 5:30 P. M., under Specifications No. LS 64, bids will be received by John H. Kimball, Secretary, East Bay Municipal Utility District, 512 Sixteenth St., to furnish and erect one 220,000-gallon steel storage tank. Specifications obtainable from above office.

WOODLAND, Yolo Co., Cal.—J. H. Laugenour, city clerk, will ask bids at once to furnish 6-inch pipe in connection with extensions to the municipal water system. Approximately 1500 feet of pipe will be required.

LOS ANGELES, Cal.—Pelton Water Wheel Co., 19th and Alhambra Sts., San Francisco, awarded contract by city purchasing agent, at \$2528 for furnishing bypass valves, etc., under specifications No. 2598.

NORTH SACRAMENTO, Cal.—City council orders preparation of estimate costs for the installation of a water distributing system to provide an adequate supply for domestic and fire protection purposes.

SUNNYVALE, Santa Clara Co., Cal.—Until October 21, 11 A. M., under Specification No. 6644, bids will be received by the Public Works Officer, Twelfth Naval District, 100 Harrison Street, San Francisco, to erect a one-story garage and construct a water supply system at the Naval Air Station at Sunnyvale. The work includes metal garage 20 by 76-ft., with concrete footings, walls and floor; a 1,000-gallon gasoline tank, including a pump; a 50-ft. steel water tower for an existing water tank; reconditioning and resetting a motor and a water pump, and water supply, plumbing and electrical systems. Specifications obtainable from above office on deposit of \$10, returnable, checks for same to be made payable to the Chief of the Bureau of Yards and Docks.

SACRAMENTO, Cal.—Until Oct. 29, 8 P. M., bids will be received by H. G. Denton, city clerk, to construct sedimentation unit of the municipal filtration plant; estimated cost, \$300,000. Project involves:

- (1) 3000 cu. yds. excavation;
- (2) 7758 cu. yds. reinf. conc., class A;
- (3) 1230 lin. ft. expansion joints;
- (4) 11,300 lin. ft. construction joints;
- (5) 136 tons steel trusses;
- (6) 22 tons miscellaneous iron;
- (7) 25 tons corr. iron sheets, galv.;
- (8) 600 sq. ft. asbestos siding;
- (9) 830 lin. ft. pipe hand rail;
- (10) 270 lbs. copper flashing;
- (11) 3 squares, tar and gravel;
- (12) 65 sq. ft. steel sash;
- (13) 600 F.B.M. lumber, No. 1, Douglas fir.

Contract to furnish and drive 1870 piles (approximately 93,500 lin. ft. in all) in connection with this project was awarded last August to the Western Foundation Co., 308 W. Washington St., Chicago, at \$675 lin. ft. Plans prepared by H. D. Dwell, engineer, 55 New Montgomery St., San Francisco, are on file in office of city clerk. Fred J. Klaus is city engineer.

CORNWALL, Ventura Co., Cal.—Until Oct. 13, 5 P. M., new bids will be received by Frank B. Pettis, city clerk, to furnish and install pump and motor as follows:

One motor of the induction type, 75-hp., 1450 rpm., 3-phase, 50-cycle, 440-volt, line start, enclosed, asbestos covered, U. S. motor.

One 8-in., single stage, double suction pump to operate against a 100-ft. head, capacity 2100 gals. per min.

Motor and pump shall be completely assembled and directly connected by a flexible coupling. Certified check or bond 10%. Bids received Sept. 23 were rejected unopened due to an error in the specifications.

SAN FRANCISCO.—Danzel-Moller Co., 1666 Mission St., awarded contract by Leonard S. Leavy, city purchasing agent, under Proposal No. 758, to furnish steel pipe for San Francisco Water Department, as follows:

- 1,000 ft. ½-in., \$4.33 per C ft.;
- 25,000 ft. ¾-in., \$5.90 per C ft.;
- 2,000 ft. 1-in., \$8.41 per C ft.;
- 3,000 ft. 1½-in., \$13.60 per C ft.

Above pipe to be standard weight galvanized wrought steel pipe (made in U. S.) in random lengths; threaded and coupled. For mill shipment, f.o.b. 639 Bryant St., San Francisco; to be delivered within 30 days.

YUBA CITY, Sutter Co., Cal.—F. H. Heiken, trustee of the Bond Fund for Reclamation District No. 1500, has filed application with the State Recla-

mation Board, Sacramento, seeking approval of plans for a pumping plant and 12-inch discharge pipe of the west levee of the Sutter By-Pass. Hearing on application will be held Oct. 21.

OAKLAND, Cal. See separate unit covering cast iron pipe for East Bay bid tabulation on page of this issue Municipal Utility District; bids opened October 5.

BOULDER CITY, Nev.—Stearns-Rogers Manufacturing Co., 1718 California St., Denver, Colo., submitted low bid to U. S. Bureau of Reclamation to reconstruct sewage disposal plant and water purification plant at Boulder City. See "Sewers and Sewage Disposal Plants" in this issue.

STREETS AND HIGHWAYS

SAN JOSE, Santa Clara Co., Cal.—City council rejects lone bid of the Union Paving Co., Cal. Bldg., San Francisco, to improve Willow St. between Guadalupe River bridge and west city limits at Bird Ave. and portions of Bird Ave., Warren Ave., Shepherd, Deimas and Spencer Aves., and Prevost St. at Willow St., involving grading; 2-in. asphalt concrete surface pavement on 3½-in. asphalt concrete base; concrete curbs and gutters. County will pay \$2500 of the total cost from Special Road Improvement Fund, 1911 Act. The Union bid on paving was 16¢ sq. ft. while the estimate of City Engineer Wm. Popp was 14.65¢. New bids will be asked.

BERKELEY, Alameda Co., Cal.—City Engineer Harry Goodridge completes plans to improve Oxford St. from west extension to Hearst Ave. east of Oxford St., north to Rose St. and Rose St., from north extension to Shattuck Ave., to Spruce St. and Spruce St. from Rose St. to northeast city limits. This project was considered by the city council last July but proceedings were temporarily abandoned. Further hearing will be had by the council at the October 20 meeting. The project involves:

- (1) 466,200 sq. ft. grading;
- (2) 1,700 cu. yds. cut in sidewalk area;
- (3) 200 cu. yds. grading below sub-grade;
- (4) 200 cu. yds. old rock in subgrade;
- (5) 488,500 sq. ft. rock cushion, 4" thick;
- (6) 200 cu. yds. rock cushion;
- (7) 439,150 sq. ft. paving 7" cement concrete;
- (8) 11,280 ft. curb and gutter, type "A";
- (9) 11,590 ft. curb and gutter, type "B";
- (10) 1,715 ft. curb and gutter, type "C";
- (11) 43,200 sq. ft. sidewalks, concrete;
- (12) 11,100 sq. ft. driveways, concrete;
- (13) 4,400 sq. ft. re-macadamizing;
- (14) 830 ft. tile drain, 4";
- (15) 945 ft. corr. per. iron pipe drain 8";
- (16) 1,070 ft. sewers, Lateral, 4";
- (17) 2,940 ft. sewers, 6";
- (18) 770 ft. sewers, 8";
- (19) 432 ft. sewers, 10";
- (20) 78 ft. sewers, 12";
- (21) 748 ft. sewers, 15";
- (22) 230 ft. sewers, 18";
- (23) 844 ft. sewers, 21";
- (24) 1,356 ft. sewers, 24";
- (25) 39 manholes;
- (26) 4 manholes reconstructed;
- (27) 9 handholes;
- (28) 340 ft. culverts, Type "A";
- (29) 120 ft. culverts, Type "B";
- (30) 140 ft. culverts, Type "C";
- (31) 150 ft. culverts, 7" pipe;
- (32) 14 catchbasins, Type (1);
- (33) 1 catchbasin, Type (2);

- (34) 4 catchbasins, Type (4);
- (35) 2 catchbasins reconstructed, Type (1);
- (36) 2 catchbasins reconstructed, Type (3);
- (37) 2 curb inlets;
- (38) 100 sq. ft. concrete steps;
- (39) 100 sq. ft. stone steps;
- (40) 276 disconnection of old water services;
- (41) 276 new connection to old water services;
- (42) 118 new water services.

1911 Act and Bond Act 1915. City will pay \$31,200 of the total cost from the city treasury general fund and an additional \$32,200 from the Trust Fund known as the Spruce St. Improvement Fund. Florence E. Turner city clerk.

SANTA ANA, Orange Co., Calif.—City council has started proceedings to improve 17th St. bet. Main and Flower Sts., and portion of Broadway, Main, Durant and other streets, involving grading; concrete paving; walks; reinforced concrete culverts; vitrified sewers. 1911 Act. Bond Act 1915. E. L. Vegeley, city clerk.

SAN LEANDRO, Alameda Co., Cal.—City council cancels call for bids for grading Park St. from the N. W. city limits to Davis St., to a width of 60-ft. A new call for bids will be issued within 30 days.

SAN LEANDRO, Alameda Co., Cal.—City council cancels call for bids for grading Downing Blvd. from Mitchell Ave. to the Le Bon Tract, from N. 1, to a width of 40-ft. A new call for bids will be issued within 30 days.

SACRAMENTO, Cal.—Harrison and Harrison, at \$3900 awarded contract by county supervisors to widen the grade on Freeport Blvd.

ALAMEDA, Alameda Co., Cal.—City council will ask bids shortly for resurfacing three tennis courts at Washington Park, 8th and Central Aves.

RENO Nevada—Clark and Henery Construction Co., Chancery Bldg., San Francisco, at \$5775 awarded contract by city council for 7500 sq. ft. of asphaltic concrete paving in the vicinity of the state university, in addition to approximately 15,000 sq. ft. of patching.

LOS ANGELES Co., Cal.—Square Oil Co., 916 Adobe St., Los Angeles, at \$1.04 bbl. (\$1,248) awarded contract by State Highway Commission for oiling shoulders between La Canada and Mt. Wilson, involving 1,200 bbls. 60-70 grade fuel oil. Complete list of unit bids published in issue of September 26.

TRINITY CO., Cal.—Skeels & Graham, Roseville, at \$27,097 awarded contract by State Highway Commission for grading 0.5-mile of approaches to the North Fork of the Trinity River Bridge at Helen. Complete list of unit and total bids received on this project published in issue of October 5.

RIVERSIDE CO., Cal.—Petrol Corp., 4020 Bandini Blvd., Los Angeles, at \$1.65 bbl. awarded contract by State Highway Commission for 1.5 miles heavy fuel oiling on shoulders near Bendel's Corner. Complete list of unit bids published in issue of October 1.

SAN MATEO-SANTA CLARA COS., Cal.—Basich Bros., 20550 Normandie Ave., Torrance, at \$406,625.35 awarded contract by State Highway Commission to grade and pave with Portland cement concrete 6.2 miles between Redwood City and Oregon Ave. Com-

plete list of unit and total bids received on this project published in issue of October 5.

NYE AND ESMERALDA COUNTIES, Nev.—Until October 21, 2 P. M. bids will be received by S. C. Durkee, state highway engineer, Carson City, to construct 32.03 miles of highway in Nye and Esmeralda Counties, between Beatty and Goldfield, Routes 5 and 3, Sections H-1, K-2, A-2, and B-2, involving:

- (1) 193,590 cu. yd. Rdwy Excav;
- (2) 2,600 cu. yd. Struc. Excav.;
- (3) 26,837 cu. yd. Sel. Borrow Excav.;
- (4) 216,840 yd. sta. Overhaul;
- (5) 32.03 mi. Prepare Subgrade Shoulders;
- (6) 34,400 cu. yd. Cr. Rock or Cr. Gravel Surf.;
- (7) 3,200 cu. yd. Cr. Rock of Cr. Gravel in Stockpile;
- (8) 273 cu. yd. Class "B" Concrete;
- (9) 3,742 lin. ft. 18-in. Corr. Met. pipe
- (10) 2,198 lin. ft. 24-in. Corr. Met. pipe
- (11) 700 lin. ft. 36-in. Corr. Metal pipe
- (12) 114 lin. ft. 48-in. Corr. Metal pipe
- (13) 240 lin. ft. 60-in. Corr. Metal pipe
- (14) 72 cu. yd. Rip Rap;
- (15) 231 Monuments in Place;
- (16) 2 Federal Lands Markers;
- (17) 10.03 mi. Finishing Rdwy.;
- (18) 35 lin. ft. 18-in. Vit. Pipe;
- (19) 35 lin. ft. 24-in. Vit. Pipe;
- (20) 35 lin. ft. 30-in. Vit. Pipe;
- (21) 350 lin. ft. Remove and Reset 8-in. Steel Water Pipe;
- (22) 6 Removing Wooden Culverts;
- (23) 2 Removing Buildings from Right of Way;
- (24) 15,861 lin. ft. Removing Fence;
- (25) 10,188 lin. ft. Removing and Reconstruct. Fence;
- (26) 23,652 lin. ft. Construc. Fence;
- (27) 275 cu. yd. Rock Fill;
- (28) 1 Removing Timber Structure;
- (29) 2 Constructing Cattle Guard.

Plans obtainable from engineer on deposit of \$15 of which \$10 is returnable. Plans on file in office of U. S. Bureau of Public Roads, 461 Market St., San Francisco.

SAN DIEGO COUNTY, Cal.—Until October 23, 2 p. m., bids will be received by State Highway Commission to grade and pave with Portland cement concrete 0.6-mile in San Diego County between Del Mar and Solana Beach. Quantities of materials involved together with wage scales will be published in tomorrow's issue.

SANTA BARBARA COUNTY, Cal.—Until October 23, 2 p. m., bids will be received by State Highway Commission to grade and pave with Portland cement concrete 9.7 miles in Santa Barbara County between Los Alamos and two miles north of Solomon Summit. Quantities of materials involved together with wage scales will be published in tomorrow's issue.

BERKELEY, Alameda Co., Cal.—City Manager Hollis R. Thompson has submitted proposal to city council for the construction of a six-lane highway connecting Berkeley with the Victory Highway into Contra Costa County by way of the new low-level tunnel through the Berkeley Hills. The extension, estimated to cost \$150,000, will leave the main highway near the P. G. and E. substation, across the canyon and then enter Berkeley by way of Domingo Ave. Harry Goodridge, city engineer.

SANTA BARBARA, Cal.—No bids received by county supervisors October 5 for 8.5 miles oil and gravel paving on the San Julian Highway in the 4th Road District. The work has been taken off the calendar.

SANTA BARBARA, Cal.—All bids for resurfacing Santa Maria-Guad-

Lupe Highway in 5th Road District, received by county supervisors September 8, have been rejected.

SANTA BARBARA, Cal.—All bids for fencing 4 miles of the San Julian Road, Sections 2-A and 2-B, received by county supervisors October 5, were rejected and the work ordered done by day labor. The bids were: Concrete Engineering Co., \$1950; O. Niedermuller, \$2694; H. L. Osborn, \$2800; Ott Hardware Co., \$2950.

SANTA BARBARA, Cal.—T. G. Smith, 3743 E. 54th St., Maywood, submitted low bid to county supervisors October 5 at \$17,569.30 for grading Section 2 of the Tepusquet Road in the 10th Road District. The other bids were: Jas. T. Cornwall, \$18,248.20; Steele Finley, \$18,327.50; Henry C. Daleesi, \$19,330.10; Gist & Bell, \$32,172.

LOS ANGELES COUNTY, Cal.—Jahn & Bressi, Lane Mortgage Bldg., Los Angeles, at \$273,473 submitted low bid to State Highway Commission to grade and pave with 1½ Portland cement concrete 5.1 miles between Washington Blvd. and El Segundo, involving:

- (1) 269 sta. clear and grub right of way;
- (2) 127,000 cu. yds. rdwy. excav. without class;
- (3) 113,000 mile yards overhaul;
- (4) 5100 cu. yds. struc. excav;
- (5) 2550 tons broken stone (bit. mac.)
- (6) 120 tons emulsified asphalt (bit. mac.);
- (7) 127,700 sq. yds. subgrade preparation;
- (8) 24,600 cu. yds. class A cem. conc. (pavement);
- (9) 802 cu. yds. class A cement concrete (structures);
- (10) 245 cu. yds. class A cem. conc. curbs;
- (11) 647,000 lbs. bar reinf. steel (pave. and struc.);
- (12) 590 lin. ft. 18-in. corr. metal pipe
- (13) 800 lin. ft. 24-in. do;
- (14) 50 lin. ft. 30-in. do;
- (15) 82,400 lbs. misc. iron and steel (struc.);
- (16) 4500 M. gals. water applied to embankment;
- (17) 730 cu. yds. existing pavement removed and disposed of;
- (18) 46 culvert markers;
- (19) 269 sta. finishing roadway;
- (20) 68 monuments complete in place.

The State will furnish corr. metal pipe.

- | | |
|--|--------------|
| (A) Jahn & Bressi, Los Angeles | \$273,473.00 |
| (B) Kovacevich & Price, Los Angeles | 282,984.50 |
| (C) Basich Bros., Torrance | 286,358.90 |
| (D) Matich Bros., Elinore | 289,831.45 |
| (E) Griffith Co., Los Angeles | 301,263.00 |
| (F) Oswald Bros., Los Angeles | 310,183.80 |
| (G) R. A. Wattson, Los Angeles | 310,845.50 |
| (H) McCray Co., Los Angeles | 313,703.00 |
| (I) Sander Pearson, Santa Monica | 318,191.50 |
| (J) Macco Construction Co., Clearwater | 320,624.00 |
| (K) Gibbons & Reed, Burbank | 322,171.50 |
| (L) Geo. R. Curtis Paving Co., Los Angeles | 341,474.40 |

SAN LUIS OBISPO COUNTY, Cal.—Fredrickson & Watson & Fredrickson Bros., 354 Hobart St., Oakland, at \$264,016.35 submitted low bid to State Highway Commission October 7 to grade and pave with 1½ Portland cement concrete 5.8 miles between Los Berros Creek and Arroyo Grande, involving:

- (1) 41 sta. clearing and grubbing right-of-way;
- (2) 249,700 cu. yds. rdwy. excav. without classification;
- (3) 1,185,000 sta. yds. overhaul;

- (4) 5,900 cu. yds. struc. excav;
- (5) 71,000 sq. yds. subgrade for pavement;
- (6) 14,800 cu. yds. Class "A" cem. conc. (pave.);
- (7) 870 cu. yds. Class "A" cem. conc. (structures);
- (8) 50 cu. yds. Class "A" cem. conc. (sidewalks);
- (9) 38 cu. yds. Class "A" cem. conc. (curbs);
- (10) 445,000 lbs. bar reinf. steel (pave. and struc.);
- (11) 660 lin. ft. 8" corr. metal pipe;
- (12) 626 lin. ft. 18" corr. metal pipe;
- (13) 1010 lin. ft. 24" corr. metal pipe;
- (14) 200 lin. ft. 30" corr. metal pipe;
- (15) 346 lin. ft. 36" corr. metal pipe;
- (16) 2300 sq. yds. paved gutter;
- (17) 125 cu. yds. cushion course;
- (18) 500 tons crusher run base;
- (19) 325 tons untreated crushed gravel or stone surfacing;
- (20) 2050 bbls. fuel oil;
- (21) 9.6 ml. new property fence;
- (22) 30 fence gates complete in place;
- (23) 6720 lin. ft. laminated timber guard rail;
- (24) 483 timber guide posts;
- (25) 72 culvert markers;
- (26) 1450 cu. yds. cem. conc. removed from existing pavement and struc.;
- (27) 12.3 thousand ft. B. M. redwood timber, select all-heart structural grade;
- (28) 8.1 thousand ft. B. M. redwood timber, dense select all-heart struc. grade;
- (29) 310 sta. finishing roadway;

The State will furnish corr. metal pipe, spillway assemblies and cast steel frames and covers for drop inlets as more explicitly set forth in the special provisions.

Complete list of lump sum bids follows:

- | | |
|---|--------------|
| (A) Fredrickson & Watson and Fredrickson Bros., Oakland | \$264,016.35 |
| (B) Jahn & Bressi, Los Angeles | 266,954.65 |
| (C) Granite Construction Co., Watsonville | 267,617.40 |
| (D) C. W. Wood, Stockton | 267,610.65 |
| (E) Southern California Roads Co., Los Angeles | 268,434.34 |
| (F) J. J. Bevanda, Stockton | 270,825.40 |
| (G) Morrison & Knudsen, Boise, Idaho | 273,912.85 |
| (H) Healy, Tibbets Const. Co., S. F. | 282,862.40 |
| (I) Hanrahan Co., S. F. | 283,957.60 |
| (J) Clark & Henery, S. F. | 291,652.45 |
| (K) Gist & Bell, Arcadia | 314,132.40 |

MILL VALLEY, Marin Co., Cal.—Until Oct. 21, 8 p. m. (time extended from Oct. 14), bids will be received by Will Falley, town clerk, (821) to improve Thalia St., Euterpe St. and Manor Terrace and portion of Sidney St., involving:

- (1) 3740 cu. yds. excavation;
- (2) 2150 lin. ft. hyd. conc. curb, 6x13 inches;
- (3) 295 lin. ft. do; 6x9 in.
- (4) 52,950 sq. ft. hyd. conc. curb pave. 7x5x7 in.;
- (5) 1182 lin. ft. 6-in. vit. sewer;
- (6) 293 lin. ft. 4-in. vit. sewer;
- (7) 58 lin. ft. 12-in. storm sewer;
- (8) 3 manholes;
- (9) 7 lampholes;
- (10) 2 conduit inlets;
- (11) 10 cu. yds. hyd. cons. retaining wall;
- (12) 1250 lbs. steel bar reinforcement;
- (13) 170 lin. ft. woven wire guard fence.

Estimated cost \$16,800. 1911 Act. Bond Act, 1915. Certified check 10% payable to city required with bid. Hussey & Belcher, engineers, Syndicate Bldg., Oakland.

MILL VALLEY, Marin Co., Cal.—Until Oct. 21, 8 p. m. (time extended from Oct. 7), bids will be received by Will Falley, town clerk, (821) to improve Sycamore Ave., involving:

- (1) 1130 cu. yds. of excavation;
- (2) 175 cu. yds. crushed rock base;
- (3) 1954 lin. ft. hyd. conc. curb;
- (4) 40,420 sq. ft. hyd. conc. pave;
- (5) 564 sq. ft. oil macadam pave;
- (6) 44 lin. ft. 6-in. vit. san. sewer;
- (7) 529 lin. ft. 4-in. vit. san. sewer;
- (8) 159 lin. ft. 7x24-in. corr. metal and concrete arch culvert;
- (9) 3 manholes;
- (10) 4 handholes;
- (11) 8610 sq. ft. hyd. conc. sidewalk.

1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of the clerk.

Note—Three bids received for this project on Oct. 7 were returned to the bidders unopened and the work ordered re-advertised to be opened on October 21.

MENDOCINO COUNTY, Cal.—Peter McHugh, 383 Valencia St., San Francisco, at \$11,569.25 awarded contract by State Highway Commission for grading and surfacing 1.1 miles in Mendocino County through Boonville, involving:

- 4000 cu. yds. rdwy. excav., \$.45;
- 13,200 sta. yds. overhaul, \$.02;
- 1925 cu. yds. imported borrow, \$.45;
- 3100 cu. yds. screened gravel, \$.05;
- 470 cu. yds. struc. excav., \$.10;
- 4 cu. yds. class A conc. (structures), \$.34.00;
- 430 lbs. reinf. steel (struc.), \$.06;
- 782 ft. 18-in. plain conc. pipe, \$.135;
- 120 ft. 18-in. C. M. pipe, \$.80;
- 59 sta. finish roadway, \$.600;
- 15 monuments, \$.350.

CHURCHILL COUNTY, Nevada.—Until November 18, bids will be received by S. C. Durkee, state highway engineer, Carson City, to construct portion of state highway system in Churchill County bet. Sand Springs and East gate, a length of 20 miles, involving grading, construction of structures and placing surfacing material. Plans on file in office of U. S. Bureau of Public Roads, 465 Market St., San Francisco and obtainable from the engineer on deposit of \$15, of which \$10 is returnable. Certified check 5% required with bid.

SACRAMENTO, Cal.—Until October 15, 5 P. M. (to be opened 8 P. M.; time extended from Sept. 24) bids will be received by H. G. Denton, city clerk (2311) to improve east one-half of 39th St. from 36th Way east to point 1½ ft. north of McKinley Blvd. involving grading, concrete curbs, gutters and walks, c. i. gutter drains, vit. pipe sewer, concrete manholes, 2-inch asphalt concrete pavement with seal coat on a 3-inch cement gravel subbase, install street lighting system. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of the clerk. Fred J. Klaus, city engineer.

ORANGE COUNTY, Cal.—Until October 14, 2 p. m., bids will be received by District Engineer, State Highway Commission, 1111 Associated Realty Bldg., Los Angeles, to construct 0.3 mile of highway embankment near Newport Beach. Material is to be dredged from the channel known as the North Arm of Newport Bay. Project involves 52,000 cubic yards. Specifications and further information obtainable from the district engineer at Los Angeles.

HOLLISTER, San Benito Co., Cal.—Granite Construction Co., Watsonville, at \$5,813.16 awarded contract by county supervisors to improve 3.6 miles of road on portions of Hollister Townships and Fairview Road. Project involves placing ¾-in. oil and rock armor coat. C. C. Reed, Tracy, submitted only other bid at \$6,766.20.

GRAND CANYON, ARIZ.—George H. Oswald, 366 East 58th St., Los Angeles, at \$96,600 awarded contract by U. S. Bureau of Public Roads, for construction of a plant-mix-bituminous treated crushed rock or crushed gravel surface on Section of the South Approach to Grand Canyon National Park, Tusayan National Forest. Complete list of unit and total bids reported in issue of September.

SHASTA COUNTY, Calif.—J. P. Freeman, Redding, at \$13,475.50 submitted only bid to District Engineer, State Highway Commission, Redding, to grade and pave with Portland cement concrete, 0.5 mile at Clear Creek in Shasta County.

SAN LUIS OBISPO COUNTY, Cal.—Until October 14, 2 p. m., bids will be received by L. H. Gibson, district engineer, State Highway Commission, Bank of Italy Bldg., San Luis Obispo, for additions to the existing sanitary sewer and water systems at Arroyo Grande in San Luis Obispo county. Plans and further information obtainable from engineer.

SAN JOSE, Santa Clara Co., Cal.—J. H. Quimby, Burrell Bldg., San Jose, at \$12,743 awarded contract by county supervisors to improve Congress Springs Road, involving 96,000 sq. ft. asphalt, concrete pavement. Other bids:

Union Paving Co.	\$13,999
Valley Pav. & Const. Co.	14,400
San Jose Paving Co.	16,677
Engineer's estimate	13,300

J. H. Quimby at \$4,999 awarded contract for 45,875 sq. ft. asphalt, concrete pavement in Menker Ave. Other bids:

Valley Pav. & Const. Co.	\$5,138
Union Paving Co.	5,513
Engineer's estimate	5,235

SALINAS, Monterey Co., Calif.—City council orders bids to be advertised to improve portions of Maple St., (Res. of Inten. 98), involving:

- (1) 30,010 sq. ft. grading;
 - (2) 17,850 sq. ft. hyd. concrete pavement;
 - (3) 1265 lin. ft. cement conc. curb;
 - (4) 6270 sq. ft. 3 1/2-in. sidewalks.
- Engineer's estimate, \$5368.60. 1911 Act, Bond Act 1915.

Date for bids not set. M. R. Keef, city clerk. Howard Cozzens, city engineer.

BERKELEY, Alameda Co., Calif.—Until October 26, 8 P. M., new bids will be received by Board of Education, for grading the sidewalk area along the south side of Hopkins St., at the Garfield School grounds. Previous bids received on this work were rejected, the low bid being submitted by Ariss-Knapp Co., 961 41st St., Oakland, at \$2,100. Plans are obtainable from the secretary of the Board of Education.

SAN FRANCISCO — Bids will be asked shortly by S. J. Hester, secretary, Board of Public Works to construct a concrete apron and appurtenances at the Mills Field Municipal Airport. Project will be financed from Budget Funds.

SACRAMENTO, Cal.—Harrison & Harrison, at \$3,990 awarded contract by county supervisors to improve Freeport Blvd. Complete bids follow:

Harrison & Harrison	\$3,900
J. R. Reeves, Sacramento	4,797
A. Teichert & Son, Sacramento	4,940
H. A. Anderson	5,135
Harms Bros., Galt	5,190

WHARVES AND DOCKS

Bids Opened.
DOCKS
SAN FRANCISCO. Pier No. 39.
Seven steel rolling doors in bulkhead building.

Owner — State of California (Harbor Commission, San Francisco.

Engineer—Frank White, Ferry Bldg., San Francisco.

Following is a complete list of bids received:

Gunn, Carle & Co., Ltd., 444 Market St.	\$6932
Cornell Steel Rolling Door Agency 6970	
E. A. Panceast Co.	7653
Rolph Mills	8578

Bids held under advisement.

Contract Awarded.

SHED Cont. Price, \$32,648
SAN FRANCISCO. Pier 23, Foot of Greenwich Street.

Steel frame shed (110x830-ft.); precast concrete wall slabs, redwood roof sheeting covered with asphalt and gravel).

Owner — State of California (Harbor Commission).

Engineer—Frank White, Ferry Bldg., San Francisco.

Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

Following is complete list of bids:

Barrett & Hilp	\$ 92,648
MacDonald & Kahn	94,244
E. T. Lesure, Oakland	94,830
F. J. Reilly	98,983
San Francisco Constr. Co.	100,770
P. F. Reilly and J. Grace	105,809
Anderson & Ringrose	107,000

MISCELLANEOUS CONSTRUCTION

SAN FRANCISCO — Bids will be asked shortly by S. J. Hester, secretary, Board of Public Works to construct a concrete apron and appurtenances at the Mills Field Municipal Airport. Project will be financed from Budget Funds.

Date of Opening Bids Postponed Until October 23, 8 P. M.

ELECTRIC EQUIP. Cost, \$—
ALBANY Alameda Co., Cal.

Furnish and install electrical equipment for flood lighting in double tennis courts at city park.

Owner—City of Albany (Park Commission, P. A. McCormack, Secretary), Albany.

Architect—Not Given.

Certified check 10% payable to secretary required with bid. Specifications obtainable from city clerk. Bond of \$500 will be required of the successful bidder.

Contract Awarded.

DEPOT Cost, \$8500
CRESCENT MILL, Plumas Co., Cal.

Two-story frame and rustic freight and passenger depot.

Owner — Western Pacific R. R. Co., Mills Bldg., San Francisco.

Plans by Eng. Dept. of Owner, H. M. Smitten in charge).

Contractor—N. H. Sjoberg & Son, Call Bldg., San Francisco.

Contract Awarded.

DEPOT Cost, \$8500
GREENVILLE, Plumas Co., Cal.

Two-story frame and rustic freight and passenger depot.

Owner — Western Pacific R. R. Co., Mills Bldg., San Francisco.

Plans by Eng. Dept. of Owner, H. M. Smitten in charge).

Contractor—N. H. Sjoberg & Son, Call Bldg., San Francisco.

Plans Being Figured—Bids Close October 16, 2 P. M.

BORDER STATION Cost, \$8000
HORN BROCK, Siskiyou Co., Calif.

One-story rustic border station. Owner—State of California.

Architect—George B. McDougall, state architect, Public Works Building, Sacramento.

SAN FRANCISCO, Calif.—Michel & Pfeffer Iron Works, Harrison & 10th Sts., at \$2541 submitted low bid to Playground Commission, to construct fencing and back-stop at the Margaret S. Hayward Playground, Golden Gate Ave. and Gough St., and for fencing one tennis court at the Bayview Playground, Third and Armstrong Sts.

Following is complete list of bids:

Michel & Pfeffer Iron Works	\$2,541
Kamlin Fence Company	2,590
Anchor Post Fence Co.	2,675
Standard Fence Co.	2,692
West Coast Wire & Iron Co.	3,245

Bids held under advisement.

OROVILLE, Butte Co., Cal.—Until October 12, 1:30 P. M. bids will be received by Mrs. H. A. MacDonald secretary, Oroville Monday Club, 1677 Montgomery St., for the sale and removal of all buildings, fixtures and improvements on the Federal Building Site at the corner of Oak and Robinson Sts. Specifications are obtainable from the secretary.

SAN JOSE, Santa Clara Co., Cal.—Until Oct. 13, 8 P. M., bids will be received by John J. Lynch, city clerk (5410) to construct reinforced concrete pedestrian subway under Park Ave. at Randol Ave. Work under 1911 Act. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Wm. Popp, city engineer.

SAN JOSE, Santa Clara Co., Cal.—Until October 13, 8 P. M., bids will be received by John J. Lynch, city clerk, to construct reinforced concrete subway under Santa Clara street opposite the Horace Mann School near Seventh street. Work under 1911 Act. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Wm. Popp, city engineer.

Additional Sub Contracts Awarded.

HOSPITAL Cont. price, \$10,900
SAN MATEO, San Mateo Co., Calif.

Two-story frame and stucco cat and dog hospital, double garage, separate (concrete floors, iron work, composition roof, steel sash, hot water heating).

Owner—Dr. Harold H. Groth, 2600 S El Camino Real, San Mateo.

Architect—Treichel & Goodpastor, 1540 San Fabio Ave., Oakland.

Contractor—C. H. Thrans, 28 Home Place, Oakland.

Plastering—Carl Rasmussen, 5801 Moraga Road, Oakland.

Roofing—Mastercraft Tile & Roofing Co., 120th St., Richmond.

Chimney—Karnack Tile & Mantel Co., Oakland.

Millwork—Lannom Bros., 5th and Magnolia, Oakland.

Painting—Pacific Decorating Co., 1717 Webster St., Oakland.

Stairs—Oakland Stair Building Co., 123 3rd St., Oakland.

Lumber—Chahlen Lumber Co., Burlingame.

Steel Sash—Detroit Steel Products Co., 63rd and Dole, Oakland.

Other awards reported August 19th

FRESNO, Fresno Co., Cal.—W. T. Harris, 577 McKinley, Fresno, at \$1,225 awarded contract by city commissioners to erect rest room in Reedings Park.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
1449	Morris	Owner	20000
1450	Mella	Fletcher	1583
1451	Stich	Owner	3750
1452	Bluett	Isaac	3500
1453	International	Neider	1440
1454	P T & T	Lindgren	30000
1455	Bagley	Chiappa	5600
1456	St Francis	Williams	5000
1457	Calif Western	Brumfield	3900
1458	Scherman	Spivock	4000
1459	Kelly	Hurley	1000
1460	Sanders	Owner	3500
1461	Bk of America	Capital	5000
1462	Merlo	Parodi	3500
1463	Stoneson	Owner	4000
1464	Kastnar	Owner	4250
1465	Janssen	Owner	5000
1466	Stoneson	Owner	21000
1467	Erickson	Owner	4250
1468	Erickson	Owner	4000
1469	Anderson	Owner	5000
1470	Peters	Owner	3500
1471	Grossman	Owner	4000
1472	Holden	Owner	8500
1473	Wassmanum	Owner	2000
1474	Callagy	Owner	3500
1475	Standard	Owner	3750
1476	Keeley	Nelson	4000
1477	Holsher	Owner	3500
1478	Keeley	Nelson	4000
1479	Doelger	Owner	3500
1480	McEldowney	Fletcher	1500
1481	Castle	Owner	3500

APARTMENTS

(1449) NW COR. PIERCE and Capra; three-story and basement frame apartments.

Owner—A. T. Morris & Sons, 3500 Fulton Street.

Plans by Owner. \$20,000

ALTERATIONS

(1450) 6027 GEARY ST.; alter salesroom.

Owner—P. Mella, 6027 Geary St.

Architect—Not Given.

Contractor—J. P. Fletcher, 6140 Geary Street. \$1568

DWELLING

(1451) N SANTIAGO 57 E 22nd Ave.; one-story and basement frame dwelling.

Owner—Z. Stich.

Architect—G. M. Cantrell. \$3750

DWELLING

(1452) W 22nd AVE 118 N Noriega; one-story and basement frame dwelling.

Owner—I. J. Bluett.

Plans by Owner.

Contractor—H. H. Isaac, 1662 Page St. \$3500

SIGN

(1453) 160 O'FARRELL ST.; electric sign.

Owner—International Film Arte, 160 O'Farrell Street.

Architect—Not Given.

Contractor—Neider & Relss, 2272 Market Street. \$1440

TELEPHONE EXCHANGE

(1454) SE COR. FINE and Steiner; foundations and steel work for 2-story class A telephone exchange.

Owner—Pacific Telephone and Telegraph Co.

Plans by Owner.

Contractor—Lindgren and Swinerton, 225 Bush St. \$30,000

DWELLING

(1455) NW SAN ALISO 66 S Darlen Way; 1-story and basement frame dwelling.

Owner—E. E. Bagley, % architect.

Architect—W. H. Armitage, 72 New Montgomery St.

Contractor—C. Chiappa, 1109 Montgomery St. \$5600

ALTERATIONS

(1456) 1300 BRYANT ST.; alter ice plant.

Owner—St. Francis Ice Co., 1300 Bryant Street.

Engineer—J. F. Lax, 3927 Webster St.

Contractor—G. T. Williams, 5342 Broadway, Oakland. \$5000

ALTERATIONS

(1457) MARKET and 6th Sts.; alter electric sign.

Owner—California Western States Life Ins. Co., Market and 6th Sts.

Architect—Not Given.

Contractor—W. Brumfield, 965 Folson Street. \$3900

DWELLING

(1458) W WEBSTER 100 S North Point St.; one-story and basement frame dwelling.

Owner—Sol Scherman, 2360 Pacific Avenue.

Architect—Not Given.

Contractor—W. Spivock, 908 Hobart Bldg. \$4000

REMODELING

(1459) SE COR. PAGE and Divisadero; remodel store.

Owner—Mrs. Kelly, % Mr. McDermott Hibernia Bank.

Architect—Not Given.

Contractor—P. J. Hurley, 1676 Haight Street. \$1000

DWELLING

(1460) S 26th AVE 70 E Diamond; 1-story and basement frame dwelling.

Owner—Wm. Sanders and Bert Anderson, 1177 De Haro.

Plans by Owners. \$3500

ALTERATIONS

(1461) 374 PINE ST.; alter stores.

Owner—Bk of America, 625 Market Street.

Architect—H. A. Minton, 625 Market Street.

Contractor—Capital Co., 625 Market. \$5000

DWELLING

(1462) S WOOLSEY 50 E Girard; one-story and basement frame dwelling.

Owner—R. Merlo, 131 Woolsey.

Plans by Owner.

Contractor—G. Parodi. \$3500

DWELLING

(1158) E LOS PALMOS 839 E Hazelwood. One-story and basement frame dwelling.

Owner—Stoneson Bros. and Thorinson, 279 Yerba Buena Ave., S. F.

Plans by Owner. \$4000

FLATS

(1159) S SEVENTEENTH 17 E Corbin Place. Two-story and basement frame (2) flats.

Owner—M. Kastnar, 4399 17th St., San Francisco.

Plans by Owner. \$4250

DWELLING

(1160) NE RICO WAY 90 SE Villa. Two-story and basement frame dwelling.

Owner—E. A. Janssen, 811 Hearst Bldg., San Francisco.

Architect—Not Given. \$5000

DWELLINGS

(1161) S NIAGARA AVE 95 E Delano. Six one-story and basement frame dwellings.

Owner—Stoneson Bros. and Thorinson, 279 Yerba Buena Ave., S. F.

Plans by Owner. \$3500 each

DWELLING

(1162) E THIRTY-FOURTH AVE 100 S Vicente. One-story and basement frame dwelling.

Owner—E. Erickson, 514 Miramar Ave., San Francisco.

Plans by Owner. \$4250

DWELLING

(1163) W SOUTH HILL BLVD. 75 N Canyon Dr. One-story and basement frame dwelling.

Owner—E. Erickson, 514 Miramar Ave., San Francisco.

Plans by Owner. \$4000

DWELLING

(1463) N DARLEN WAY 185 E San Benito. Two-story and basement frame dwelling.

Owner—S. E. Anderson, 1433 7th Ave., San Francisco.

Plans by Dannel E. Jaekle, 714 Call Bldg., San Francisco. \$5000

DWELLING

(1464) E TWENTY-SEVENTH AVE. 225 S Kirkham. One-story and basement frame dwelling.

Owner—J. M. Peters, 797 35th Ave., San Francisco.

Plans by Owner. \$3500

DWELLING

(1465) S LAMARTINE 150 W Cayuga. One-story and basement frame dwelling.

Owner—W. E. Grosman, 47 Curtis St., San Francisco.

Plans by Owner. \$4000

DWELLING

(1466) W BUCHANAN 164 N Broadway. Three-story frame dwelling.

Owner—St. G. Holden, 2901 Russ Bldg., San Francisco.

Architect—C. F. Strothoff, 2274 15th St., San Francisco. \$5500

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - - California

SAUSAGE PLANT

(1467) W BOYCE AVE 50 N 24th St. One-story frame sausage plant.
Owner—Mrs. F. Wassmanum, 3308 E 14th St., Oakland.
Plans by Contractor, \$2000

DWELLING

(1468) E SIXTEENTH AVE 75 N Wawona One-story and basement frame dwelling.
Owner—M. A. Callagy, 2674 16th Ave., San Francisco.
Plans by Owner \$3500

DWELLING

(1469) E TWENTY-FIRST AVE. 200 N Ortega. One-story and basement frame dwelling.
Owner—Standard Bldg. Co., 218 Castaneda Ave., San Francisco.
Plans by Owner \$3750

DWELLING

(1470) W GAMBER 75 E Silliman. One-story and basement frame dwelling.
Owner—M. P. Keeley, 4668 18th St., San Francisco.
Architect—Not Given.
Contractor—M. Nelson, 2847 Army St., San Francisco. \$4000

DWELLING

(1471) E CHESTER AVE 115 N Belle Ave. One-story and basement frame dwelling.
Owner—H. J. Holsher, 325 Elm Ave., San Mateo.
Plans by Owner \$3500

DWELLING

(1472) W HARVARD 125 N Silliman. One-story and basement frame dwelling.
Owner—M. P. Keeley, 4668 18th St., San Francisco.
Plans by Owner \$4000

DWELLING

(1473) E THIRTY-FOURTH AVE 175 N Anza. One-story and basement frame dwelling.
Owner—Henry Doelger, 300 Judah St., San Francisco.
Plans by B. K. Dobkowitz, 425 Monterey Blvd., S. F. \$3500

ADDITION

(1474) NO. 200 OCEAN AVE. Addition and alterations to store.
Owner—F. McElDowney, 358 30th St., San Francisco.
Architect—Not Given.
Contractor—J. P. Fletcher, 6140 Geary St., San Francisco. \$1500

DWELLING

(1475) W MANOR 50 S Upland. One-story and basement frame dwelling.
Owner—Castle Bldg. Co., 830 Market St., San Francisco.
Plans by Owner, \$3500

BUILDING CONTRACTS

SAN FRANCISCO COUNTY		
No.	Owner	Contractor Amt.
220	P T & T Co	Lindgren 14800
221	Travani	Campbell 10250
222	Bagley	Chiappa 5691
223	War Memorial	Alta 18900
224	Same	Same 272097
225	Regents	Hannah 18397
226	Force	Doelger 3750

BUILDING

(220) SE PINE and Steiner Streets; all work for 2 stories and basement of an ultimate 5-story and basement building.
Owner—The Pacific Telephone & Telegraph Co.

Architect—E. V. Cobby and G. H. Sanger.

Contractor—Lindgren and Swinerton, Inc., 225 Bush St.
Filed Oct. 2, '31. Dated Sept. 30, '31.
1st day of each month.....75%
40 days after completion.....25%
TOTAL COST, \$14,800
Bond, \$14,800. Sureties, Pacific Indemnity Co. Limit, 14. Plans and Spec. filed.

DWELLING

(221) W WEBSTER 125 N Bay N 25 x E 100; all work for 2-story and airplane deck frame dwelling.
Owners—Serafino and Ermelinda Travaini.
Architect—Not Given.
Contractor—J. V. Campbell, 1072 Bryant Street.
Filed Oct. 3, '31. Dated Sept. 22, '31.
Frame up and roof on.....\$2562.50
Brown coated.....2652.50
Completed.....2652.50
Usual 35 days.....2652.50
TOTAL COST, \$10,250
Forfeit, \$6. Limit, 90 days. Plans and Spec. filed.

RESIDENCE

(222) NW SAN ALESC AVENUE 3-235 from pt of inter thereof with NE line lot 3 blk 3262 Balboa Terrace Addn SW 41-169 W 98-944 N 40 E 108-318 to beg; all work on 1-story and attic frame residence.
Owners—E. E. and Mary Bagley, 149 Palm St.
Architect—William H. Armitage, Call Bldg.
Contractor—C. Chiappa, 1109 Montgomery St.
Filed Oct. 3, '31. Dated Sept. 25, '31.
Frame up.....\$1,350.00
Brown coat and roof on.....1,350.00
White coat mortar on.....768.25
Completed and accepted.....800.00
Usual 35 days.....1,422.75
TOTAL COST, \$5,691.00
Bond, \$2,850. Limit, 90 days. Plans and Spec. filed.

ELECTRICAL STAGE EQUIP.

(223) TWO CITY BLOCKS bounded by Van Ness Ave., Franklin, McAllister and Grove Sts., inc. Fulton and Ash Sts. bet. Van Ness Ave. and Franklin and Birch Sts.; furnish and deliver electrical stage equipment for Opera House.
Owner—The Board of Trustees of the War Memorial of San Francisco.
Architect—Arthur Brown, Jr., and G. A. Lansburgh, 251 Kearny St.
Contractor—Alta Electric & Mechanical Co., Inc., 938 Howard St.
Filed Oct. 3, '31. Dated Sept. 4, '31.
On or before 10th of each mo.....75%
Usual 35 days.....25%
TOTAL COST, \$18,990
Bond, \$18,990. Sureties, U. S. Guaranty Co. Plans and Spec. filed.

(224) FURNISH AND INSTALL ALL

electrical work for above Opera House and Veterans' Bldg.
Contractor—Alta Electric & Mechanical Co., Inc., 938 Howard St.
Filed Oct. 3, '31. Dated Sept. 19, '31.
On or before 10th of each mo.....75%
Usual 35 days.....25%
TOTAL COST, \$272,097
Bond, \$136,049. Sureties, U. S. Guaranty Co. Limit, 315 days. Plans and Spec. filed.

INCINERATOR BLDG.

(225) UNIVERSITY OF CALIFORNIA. General or bulk excavating, shop and corporation yard building and the incinerator building.
Owner—Regents of the University of California, Berkeley.
Architect—Wm. C. Hays, Crocker 1st National Bank Bldg., San Francisco.

Contractor—J. S. Hannah, 268 Market St., San Francisco.
Filed Oct. 6, '31. Dated Sept. 24, '31.
On 1st of each month.....75%
Usual 35 days.....25%
TOTAL COST, \$18,997
Bond, \$10,000. Surety, B. Tussur.
Limit, 120 days. Forfeit, \$20. Plans and specifications filed.

BUNGALOW

(226) E THIRTY-FOURTH AVE 175 N Anza N 25xE 120 OL 251. All work for 5-room frame bungalow.
Owner—Carmen Force.
Architect—Not Given.
Contractor—Henry Doelger, 300 Judah St., San Francisco.
Filed Oct. 7, '31. Dated Sept. 29, '31.
Down payment.....\$250
Roof on.....875
Plaster on.....875
Completed.....875
30 days after.....875
TOTAL COST, \$3750
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded	Accepted
Oct 1, 1931—W BOYCE N of Geary, No 55 Boyce St. Jacob and Anita E Dahl to Willis L Gott.....Oct 1, 1931	
Oct 1, 1931—LOT 23 BLK 849 Western Addn. Mrs J K Wester to Chas Hammer.....Sept 21, 1931	
Oct 1, 1931—S DARIEN WAY 60 W Northgate Drive 44x74x273 Irregular ptns lots 21 and 22 BLK 3275 Mt Davidson Manor. Aug Hallgren to whom it may concern.....October 16, 1931	
Oct 1, 1931—N JUDAH 57-6 E 23th Ave E 40 x N 100 OL 700. St Geo Holden to whom it may concern.....October 1, 1931	
Oct 1, 1931—ASSESSOR'S BLK 5231 Lots 1, 2, 2A, 3 to 47, W 1/2 of Selby St from S Evans Ave to ptn 223 S Evans Ave. San Francisco & Fresno Land Co to Harry Gorman.....September 22, 1931	
Oct 1, 1931—LOT 27 BLK 6965A Sub No 1, Geneva Terraces Lot 28 Blk 6965A Sub No 1 Geneva Terraces W 25th Ave 60 N Vicente N 30 x W 90 OL 1198 W 25th Ave 30 N Vicente N 30 x W 90 OL 1198, NW 25th Ave and Vicente N 30 x W 90 OL 1198. Henry and Hazel Stoneson to whom it may concern.....September 26, 1931	
Sept. 30, 1931—SE PACIFIC AVE and Gough 60x120-234. P and Anna Midbust to whom it may concern.....Sept. 30, 1931	
Sept. 30, 1931—LOT 12 BLK 3264 Map Blks 3260 to 3269 Balboa Terrace Addition. A J and Mary A Herzig to whom it may concern.....Sept. 29, 1931	
Sept. 30, 1931—NE UNDERWOOD Ave 25 SE Keith SE 50xNE 100 Blk 402 South San Francisco H. D Assn. Victor Bjorkman to whom it may concern.....Sept. 30, 1931	
Sept. 30, 1931—LOT 4 BLK 3042 Map Blks 3040-3041-3043 and ptn Blks 3039, 3042, 3038 and 3077, Monterey Heights. Geo W and Josephine Stanley to George W Stanley.....Sept. 23, 1931	
Oct 3, 1931—ALL LOT 3 and W half lot 2 blk 2833, map Forest Hill Court. Ethel Grace Edwards to Oscar Swanson.....Sept 25, 1931	
Oct 3, 1931—E 22nd Ave 225 North Santiago 25x120. J E McCarthy to whom it may concern.....October 2, 1931	
Oct 2, 1931—LOT 10 all that ptn lots 11 and 12 blk 2971 Sub No 4 Miraloma Park desc'd NE line lot	

10 said bkg 2971 and NW Rockdale Drive SW b76 N 31 deg 3 min 20 sec W 95-059 NE 64-341 SE 84-490 to beg. Meyer Bros to whom it may concern. Sept 29, 1931

Oct 2, 1931—LOT 6 BLK 2945 A Sub No 5 Miraloma Park. Meyer Bros to whom it may concern. September 29, 1931

Oct 2, 1931—THAT PTN LOT 9 all lots 10, 11 and 12 blk 2972 map Sub No 1 Miraloma Park desd SE Juanita Way dist 6 NE from Inter with SW line said lot 9 NE 126 SE 100 SW 189-959 NW 100 m or l to beg. Meyer Bros to whom it may concern. Sept 29, 1931

Oct 2, 1931—75 BARSTOW Street. Bay City Box Co, Ltd to A D Dorr. September 22, 1931

Oct 2, 1931—82 MARINA BLVD 120 E Divisadero S 100 E 18-3 S 30 E 11-9 N 130 W 30. F C Heydenfeldt to Gerrit Harder. Sept 28, 1931

Oct 2, 1931—W 40th AVE 225 South Judah 26x120. Elias Vigen to who it may concern. October 1, 1931

Oct 5, 1931—W SIXTEENTH AVE 200 N Rivera N 25xW 120. Fred and Mae Isaacson to whom it may concern. October 5, 1931

Oct 5, 1931—E MISSION dist 162 m or l from Inter thereof with S Brazil Ave S, 138 E 183-6 N 125 W 100 N 13 W 83-6 to beg. Excelsior Amusement Co, Inc to M Flatland (as Globe Electrical Works) October 5, 1931

Oct 5, 1931—SW CALIFORNIA ST and Grant Ave. J T Nakahra to Robt E Buckley. Oct 5, 1931; Atlas Heating & Ventilating Co, Oct 5, 1931; Peter Sartorio. Oct 5, 1931

Oct 3, 1931—NW WEST PORTAL Ave dist 5 NE from dividing line bet lots 4 and 5 blk 2985A West Portal Park S 43 deg 3 min 13 sec W 32-50 N 46 deg 56 min 47 sec W 97-631 N 42 deg 14 min 59 sec E 32-503 S 46 deg 56 min 47 sec E 98-087 to beg ptn lot 3 blk 2985A map West Portal Park. Vida M Ray to D L Blenfield. September 27, 1931

Oct 3, 1931—NW WEST PORTAL Ave dist 5 NE from dividing line bet lots 3 and 4 blk 2985A West Portal Park S 43 deg 3 min 13 sec W 97 N 46 deg 56 min 47 sec W 98-065 N 42 deg 14 min 59 sec E 57-005 S 46 deg 56 min 47 sec E 98-864 to beg ptn lot 3 all lot 4 ptn lot 5 blk 2988A map West Portal Park. Wm R Ray to D L Blenfield. September 25, 1931

Oct 6, 1931—NW APTOS AVE. dist 9 SW from pt Inter thereof with NE line Lot 13 Blk 3267 NE 39 NW 100 SW 36-513 SE 100 ptn Lots 12 and 13 Blk 3267 Map Blks 3260 to 3269, Balboa Terrace Addition. Castle Bldg Co to Henry Horn. Sept. 29, 1931

Oct 6, 1931—NW POST & SCOTT Mt. Zion Hospital Assn to A F and C W Mattock. Sept. 28, 1931

LIENS FILED

SAN FRANCISCO COUNTY
Recorded Amount

Sept 30, 1931—N BUSH 137-6 East Jones E 55 x N 137-6 50 v B 220. S F Wall Board Co vs Board of Trustees of Glide Foundation, Fitzgerald Memorial Methodist-Episcopal Church South and Mrs N C O'Donnell. \$39.90

Sept 30, 1931—S GREENWICH 40 E Franklin E 60 x S 79 WA 98. Chas A Laughlin as Naylorin Const Co vs Sarah Schwalbe. \$22,187.03

Oct 6, 1931—N BUSH 137-6 E Jones E 55xN 137-6 50 v Bk 220. W P Fuller & Co vs Mrs. N C O'Donnell Board of Trustees of the Glide Foundation and Blue Cross Home

for Mothers and Children \$116.34
Oct 6, 1931—W TWENTY-FIFTH AVE 25 N Kirkham. H P Knoll vs Geo E Dilling and W G Zupar. \$32.75

Oct 6, 1931—NE EUGENIA AVE and SE line Lot 558 NE 23 m or l NW 65 m or l to SE Elsie SW 23 m or l SE 56.40 m or l to beg Ptn Lot 558, Gift Map No. 3. Leo S Foge vs Carl Carlsen and Robt E Hillyard. \$39.40

Oct 5, 1931—S GREENWICH 40 E Franklin E 60xS 79 WA 98. Holmes Lime & Cement Co vs Jesse Shays; C A Laughlin; Laughlin Constr Co and Sara Schwalbe. \$325

Oct 3, 1931—E WIESE PLACE 100 N 16th N 60 x E 30 M B 35. W C Hauk & Co vs F B Nell and T F Denman. \$79

Oct 3, 1931—N BUSH 137-6 E Jones E 55 x N 137-6 50 v B 220. Aetna Sheet Metal Works vs Mrs N C O'Donnell, Board of Trustees of Glide Foundation, Fitzgerald Memorial Methodist-Episcopal Church South. \$81.50

Oct 3, 1931—E GATES 175 S Powhattan S 25 x E 70. W B Jefferson as The Greater City Lumber Co vs B Vallenguma and J Loblanco. \$30.55

Oct 2, 1931—N BUSH 137-6 E Jones E 55 x N 137-6 50 v B 220. Dolan Bldg Supply Co vs Board of Trustees of Glide Foundation, Fitzcopol Church South and Mrs N C Copal Church South and Mrs N C O'Donnell. \$164.78

RELEASE OF LIENS

SAN FRANCISCO COUNTY
Recorded Amount

Oct 2, 1931—2244 or 440 NW MISSION 80 SW 9th SW 60-4 x NW 125. Ready Mix Concrete Co, Ltd to Sullivan & Sullivan and D W Scanlon. \$903.05

BUILDING PERMITS

Alameda County

1164	20th and Broadway	Cone	2500
1165	Pfrang	Owner	5000
1166	Dooley	Owner	3000
1167	U. S. Treasury	Parker	545200
1167	West	Nylander	5000
1168	Hetchner	Nylander	4500
1139	Nash	Owner	3000
1140	Paramount	Electrical	9000
1141	Roberts	Pickett	2424
1142	Small	Constable	5240
1143	Thompson	Reimers	10000
1144	Moran	Owner	1000
1145	Berkeley	Owner	1500
1146	Standard	Independent	4500
1147	Spielbauer	Mooney	13000
1148	Roseberg	Owner	3200
1149	Patterson	Owner	3000
1150	Murphy	Owner	4500
1151	Hollanbach	Owner	3400
1152	Murry	Rose	1600
1153	Delacruz	Farringer	1000
1154	Griffith	Owner	5000
1155	Griffith	Owner	5000
1156	Standard	Owner	3000
1157	Phillips	Atkinson	1303
1163	Wakfield	Beake	2400
1169	Holst	Reinlinghaus	5000

DWELLING
(1137) NO. 849 OAKES BLVD. SAN LEANDRO. One and one-half-story six-room stucco dwelling. Owner—George E. West. Architect—Not Given. Contractor—Naylorin Bros., 633 Montclair Ave., San Leandro. \$5000

DWELLING
(1138) NO. 860 BEGIER AVE., SAN LEANDRO. One and one-half-story 5-room frame and stucco dwelling.

Owner—Miss Alvina Hatcher. Architect—Not Given. Contractor—Naylorin Bros., 633 Montclair Ave., San Leandro. \$4500

DWELLING
(1139) 1981 OAK VIEW DR., OAKLAND; one-story 6-room dwelling. Owner and Builder—Geo. Nash, 2762 E 21st St., Oakland. Architect—Not Given. \$3000

SIGN
(1140) W BROADWAY bet. 20th and Hobart Sts., OAKLAND; electric sign. Owner—Paramount Theatre. Architect—Not Given. Contractor—Electrical Products Corp., 950 30th St., Oakland. \$9000

DWELLING
(1141) 6019 BRANN ST., OAKLAND; one-story 5-room dwelling. Owner—Raymond P. Roberts, 2951 61st Ave., Oakland. Architect—Not Given. Contractor—W. E. Pickett, 3922 Redding St., Oakland. \$2424

DWELLING
(1142) 888 SCENIC AVE., OAKLAND one-story 5-room dwelling and 1-story garage. Owner—F. A. Small, 236 41st St., Oakland. Architect—Not Given. Contractor—W. C. Constable, 2524 Myrtle St., Oakland. \$5240

STORES
(1143) NW COR. LAKE PARK AND Rand Aves., OAKLAND; 1-story 5-room brick and tile stores. Owner—R. Thompson, 745 Walla Vista Ave., Oakland. Architect—R. F. Keefer, 770 Wesley Ave., Oakland. Contractor—I. H. Reimers, 745 Walla Vista Ave., Oakland. \$10,000

ALTERATIONS
(1144) 1708 ASHBY AVE., BERKELEY; alterations. Owner—L. J. Moran, 1765 Ashby Ave., Berkeley. Architect—Not Given. \$1000

SCHOOL ROOM
(1145) 2301 MARIN AVE., BERKELEY; frame school room. Owner—Berkeley Board of Education. Architect—Not Given. \$1500

SERVICE STATION, ETC.
(1146) SW COR PARK BLVD AND Wellington St., OAKLAND; one-story steel auto lift, 1-story steel comfort station and 1-story steel service station. Owner—Standard Oil Co., 1916 Broadway, Oakland. Architect—Not Given. Contractor—Independent Iron Works, 1824 Chase St., Oakland. \$4500

REPAIRS
(1147) NW COR. EIGHTH and Jefferson Sts., OAKLAND; fire repairs. Owner—John Spielbauer, 20 Norton St., San Francisco. Architect—Not Given. Contractor—Wm. J. Mooney, 63 Belcher St., San Francisco. \$13,000

DWELLING
(1148) E PIERSON ST., 150 N Morcom Ave., OAKLAND; one-story 6-room dwelling. Owner and Builder—August Roseberg, 1712 48th Ave., Oakland. Architect—Not Given. \$3200

DWELLING
(1149) N THERMAL AVE 250 W 94th Ave., OAKLAND; one-story five-room dwelling.

Owner and Builder—J. F. Patterson,
1411 High St., Oakland.
Architect—Not Given. \$3000

DWELLING
(1150) NO. 2010 YOLO ST., **BERKELEY**. Two-story 7-room frame and stucco dwelling.
Owner—Michael Murphy, 1321 Milvia St., Berkeley.
Architect—Not Given. \$4500

DWELLING
(1131) NO. 1214 1/2 PEARL ST., **ALAMEDA**. One-story 3-room frame and stucco dwelling.
Owner—Mrs. Marie Hollenbach, 1130 Pearl St., Alameda.
Architect—Not Given. \$3400

REPAIRS
(1152) NO. 1224 VERSAILLES AVE., **ALAMEDA**. Repair fire damage.
Owner—Marie F. Murry, 1224 Versailles Ave., Alameda.
Architect—Not Given.
Contractor—A. H. Rose, 478 25th St., Oakland. \$1600

ALTERATIONS
(1153) NO. 430 TAYLOR AVE., **ALAMEDA**. Alter frame home.
Owner—S. Delacruz, 430 Taylor Ave., Alameda.
Architect—Not Given.
Contractor—I. A. Farringer, 1804 Central Ave., Alameda. \$1000

DWELLING
(1154) NO. 750 BRIDGE ROAD, **SAN LEANDRO**. One and one-half-story six-room dwelling.
Owner—C. W. Griffith, 1427 87th Ave., Oakland.
Architect—Not Given. \$5000

DWELLING
(1155) NO. 776 BRIDGE ROAD, **SAN LEANDRO**. One and one-half-story 6-room dwelling and garage.
Owner—C. W. Griffith, 1427 87th Ave., Oakland.
Architect—Not Given. \$5000

STATION
(1156) NO. 1930 OXFORD ST., **BERKELEY**. Concrete and brick super service station.
Owner—Standard Oil Co., 225 Bush St., San Francisco.
Architect—Not Given. \$3000

ALTERATIONS
(1157) NO. 637 SANTA RAY AVE., **OAKLAND**. Alterations.
Owner—John Phillips, 637 Santa Ray Ave., Oakland.
Architect—Not Given.
Contractor—Atkinson Mill & Mfg. Co., Derby and Chapman Sts., Oakland. \$1037

ALTERATIONS
(1164) NO. 1924 TELEGRAPH AVE., **OAKLAND**. Alterations.
Owner—20th and Broadway Realty Co., San Francisco.
Contractor—A. J. Evers, San Francisco
Contractor—W. C. Cone, 1744 Broadway, Oakland. \$2500

DWELLING
(1165) N AILEEN ST. 150 W Carberry, **OAKLAND**. One-story 5-room dwelling.
Owner—C. J. Pfrang, 6300 Claremont Ave., Oakland.
Architect—Not Given. \$5000

DWELLING
(1166) NO. 3250 MORCOM AVENUE, **OAKLAND**. One-story 5-room dwelling.
Owner—F. T. Dooley, 3936 Vale Ave., Oakland.
Architect—Not Given. \$3000

POST OFFICE
(1167) TWELFTH, THIRTEENTH, Alice & Jackson Sts., **OAKLAND**. Two-story concrete post office.
Owner—U. S. Treasury.
Architect—Not Given.
Contractor—K. B. Parker Co., 130 South Park, San Francisco. \$545,200

RESIDENCE
(1168) NO. 2409 EDWARDS ST., **BERKELEY**. One-story five-room 1-family frame residence.
Owner—C. F. Wakefield, 2209 Grant St., Berkeley.
Architect—P. Anderson, Alameda.
Contractor—F. Peake, 1859 Arch St., Berkeley. \$2400

DWELLING
(1169) NO. 797 SAN DIEGO ROAD, **BERKELEY**. One-story 6-room frame and stucco dwelling and garage.
Owner—A. L. Holst, 1364 Marin Ave., Berkeley.
Architect—Not Given.
Contractor—B. Reininghaus, 22 Claremont Crescent, Berkeley. \$5000

BUILDING CONTRACTS

Alameda County

No. Owner	Contractor	Amt.
153 Coupe	Haulman	4300

CEMENT WORK, ETC.
(153) SE LINCOLN AVE. and 4th St. Alameda; all wood work, cement work, brick work, plastering and plumbing for residence.
Owner—G. W. Coupe, 1538 Webster St., Alameda.
Architect—Not Given.
Contractor—F. R. Haulman, 1243 Broadway, Alameda. Oct. 3, 1931

Filed Oct. 2, '31. Dated Sept. 22, '31.	When frame is up.....	\$1075
First coat of plaster.....	1075	
When completed.....	1075	
Usual 35 days.....	1075	
TOTAL COST, \$4300		
Limit, 90 days. Plans and Spec. filed.		

COMPLETION NOTICES

Alameda County

Recorded	Accepted
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Oct. 6, 1931—LOT 4 BLK 4, lying on the N side of Vine St., Berkeley. Lane D Saunders and Mrs. Lane D Saunders to George J. Maurer.....Oct. 3, 1931

Oct. 6, 1931—LOTS AND 2 and Ptn Lots 3 and 4, Map of Reddy of Blk 9, Pacific Homestead, Oakland. Pacific States Auxiliary Corp to P J Walker Co.....Sept. 29, 1931

Oct. 5, 1931—LOT 9 and Ptn Lot 10, Map No. 6 of Regents Park, Albany. John McCrea to whom it may concern.....Oct. 1, 1931

Oct. 5, 1931—NO. 3038 FLORIDA ST. Oakland. A E Sater to whom it may concern.....Oct. 5, 1931

Oct. 5, 1931—SW GRAND AVE & Bellevue St., Oakland. Union Oil Co of Calif. to F C Stoltz Oct. 2, 1931

Oct. 5, 1931—SW BELLEVUE ST. and Grand Ave., Oakland. Union Oil Co of Calif to Central Calif Roads Co.....Oct. 2, 1931

Oct. 2, 1931—PTN LOT 24, Subdiv of a ptn of Piedmont Hgts, Piedmont. Sisters of the Sacred Names of Jesus and Mary to Thomas F L Furlong.....September 29, 1931

Oct. 2, 1931—PTN CTN 8.175 acre tract of land desc in deed from J S Harlan to Boulevard Hotel Co recorded Jan 15, 1908, in Vol 1436 of Deeds page 114, Oakland. W L

Moore and A B Clark to Louis E Van Ness.....October 1, 1931

Oct 3, 1931—LOT 40 BLK M, Estu-dillo Estates, San Leandro. Fern H and Verne E Smith to James Merriman.....October 1, 1931

Oct 3, 1931—PTN LOTS 61 and 62, Mackinnon & Gohrman Tet, Oakland. George W Linton to A E Waldman.....September 30, 1931

Oct 2, 1931—LOT 27, Cherry Manor, San Leandro. A F Hanson to whom it may concern.....Oct 1 1931

Oct 3, 1931—375 TULARE AVENUE Berkeley. J L Brechtolt and C O Dull.....September 30, 1931

Oct 3, 1931—LOT 43, map of Chula Vista, Oakland. Clyde Mosby to whom it may concern.....Oct 1, 1931

Oct 2, 1931—LOT 45 BLK 3, North Cragmont, Berkeley. John J and Isabel S Gordon to C W Leekins.....September 30, 1931

Oct 2, 1931—PTN LOTS 148 and 150, Terminal Junction Tract, Albany. George Guay to whom it may concern.....September 29, 1931

Oct 2, 1931—4212 ATLAS AVENUE, Oakland. H B Jerner to whom it may concern.....October 1, 1931

Oct 1, 1931—PTN LOTS 10 and 11 Blk 3, Amended Map of La Loma Park and the Wheeler Tract, Berkeley. B H Crocheron to T D Court-right.....October 1, 1931

Oct 1, 1931—LOT 21 BLK 15 amended map of Sunset Terrace, Albany. Wm K McInnes to whom it may concern.....Sept 26, 1931

Sept. 30, 1931—LOT 26 BLK H, Claremont Pines, Oakland. Sadie M Hunter to Matthew Hunter.....Sept. 29, 1931

LIENS FILED

Alameda County

Recorded	Amount
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Oct. 6, 1931—NO. 644 CRAGMONT Ave., Berkeley. C S Lane vs Jane Doe Felt; Richard Roe; John Doe Corporation and Richard Roe Bldg & Loan Assn.....\$37.40

Oct. 5, 1931—SANTA CLARA AVE and Union St, Alameda. N F Justice vs Harold and Alice Norton.....\$50

Oct 3, 1931—LOT 10 BLK Y, Hemp-hill Tract, Oakland. Melrose Bldg Materials Co vs Geo T and Margaret C Johnson, J W Johnson.....\$71.97

Oct 3, 1931—LOT 9 BLK 19, Ivey-wood Extension, Oakland. Mel-rose Bldg Materials Co vs S A and Rosie Phillips and L M Rasmus-sen.....\$59.98

Oct 1, 1931—644 CRAGMONT AVE, Berkeley. David E Hastings vs Frank H and Beulah Felt.....\$76

Sept. 29, 1931—LOT 28 BLK 11, North Cragmont, Berkeley. A Walburg vs F H Felt.....\$56.75

RELEASE OF LIENS

Alameda County

Recorded	Amount
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Oct. 5, 1931—LOT 205, Forestland, Oakland. A J Aaroe to H C Pen-dleton.....\$167.1

Oct. 5, 1931—NW TRESTLE GLEN Road and Kingsley Place, Oak-land. Rollaway Window Screen Co Ltd, \$98.45; Markus Hardware Co, \$23; Geo S Pittcock & Son, Ltd, \$125.06 to Pauline DeLuchi; F De Luchi; R F Kyle; Metta N Kyle and E R Jervis.....\$71.97

Oct. 5, 1931—NW TRESTLE GLEN Road and Kingsley Place, Oak-land. Henry A Weisenhaus to C E Davidson and E K Jervis.....\$65

Oct. 5, 1931—NW TRESTLE GLEN Road and Kingsley Place, Oak-land. Morgan Elec Co, Ltd, \$144.01

Gordon Lansing, \$87.50; Gordon Lansing, \$87.50 to Ernest R Jervis Sept. 30, 1931—PTN LOT 16, Thornhill Park, Oakland, W S Dickey City Mfg Co to H A Stanley; Jeanie Craven Stanley and A R Pontes\$87.50
Sept. 30, 1931—LOT 1, Trenor & Armstrong Tract, Oakland, Deane F Swindell and Lois A Swindell to Frank P Brophy and Frank Brophy Jr.\$175.62

BUILDING CONTRACTS

SAN MATEO COUNTY

SCHOOL
MT. CARMEL SCHOOL SITE, Redwood City. All work for heating and mechanical equipment for Our Lady of Mt. Carmel School.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—H. A. Minton, 525 Market St., San Francisco.
Contractor—John Forsythe, 625 S. Humboldt St., San Mateo.
Filed Sept. 28, '31. Dated Sept. 17, '31. Usual 35 days.
TOTAL COST, \$5304
Bonds (2) \$530.40 and \$530.40. Surety, Massachusetts Bonding Co. Limit, Dec. 27, 1931. Forfeit, \$50. Plans and specifications filed.

DWELLING
NO. 733 CHESTER WAY, Hillsborough. All work for two-story frame dwelling and garage.
Owner—George A. Bennett, 110 Winfield Ave., San Francisco.
Architect—Not Given.
Contractor—Ruben A. White, 771 Edgewood Road, San Mateo.
Filed Oct. 2, '31. Dated Oct. 1, '31. Plastered\$ 990
Completed990
Usual 35 days.....1000
TOTAL COST, \$2980
Bond, none. Limit, 30 working days. Forfeit, plans and specifications, none.

BUILDING PERMITS

SAN MATEO

RESIDENCE, \$4000; Lot 11, North Idaho; owner and builder, G. De-maestri.
RESIDENCE, \$4000; 20 ft of lot 19, 10 ft of lot 20, 1308 Maple St.; owner and builder, Charles Hammer, 1524 Floribunda.
RESIDENCE, \$4000; Lot 20 E 16 ft of Lot 19 blk 13, 619 9th Avenue; owner and builder, Anton E Nelson and Robt MacAulay, 610 9th Ave., San Mateo.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Sept. 30, 1931—PART NACIONAL Rancho, being a part of Subdivision A, Monterey. Lenore and R O Bayley to J Frank Laughton.....Sept. 23, 1931
Sept. 30, 1931—LOTS 8 AND 9 BLK 8, Johnson's Addition to Monterey Wm P Sweeney to whom it may concern.....Sept. 30, 1931
Oct. 1, 1931—LOT F, Sub of Lot 112, San Mateo City Homestead. Hugo Hultberg.....Sept. 28, 1931
Oct. 1, 1931—PART LOT 10 BLK 17, White Oaks. James Horn to whom it may concern.....Sept. 30, 1931
Oct. 1, 1931—SE COR SAN CARLOS Ave and Elm St, San Carlos. Robt A Klassen to P E Brand and G W Williams Co Ltd (2 completions).....September 30, 1931
Oct. 1, 1931—LOTS 14 and 15 BLK 6, Central Park. Bertrand Momiat

to R D Squires.....October 1, 1931
Oct. 1, 1931—DAILY CITY, C E La Plant to whom it may concern.....October 1, 1931
Oct. 1, 1931—SAN ANSELMO Ave, Lomita Park. E W Latimer to whom it may concern.....October 1, 1931
Oct. 2, 1931—PART LOT 17 BLK 5, San Mateo Villa Park. Violet Chandler to whom it may concern.....October 1, 1931
Oct. 2, 1931—LOT 14 BLK 31, Milbrae Highlands. Paul Werner to L A Beicher.....Sept. 29, 1931

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
Sept. 28, 1931—LOT 4 BLK 5, Baywood. H A Norton to whom it may concern.....	Sept. 25, 1931
Sept. 28, 1931—LOT 10 BLK 11, Lyon & Hoag Sub, San Carlos. John E McCarthy to whom it may concern.....	Sept. 25, 1931
Sept. 28, 1931—LOT 7 BLK 15, Burlingame Grove. H B Lane to whom it may concern.....	Sept. 25, 1931
Sept. 29, 1931—LOT 5 BLK 4, Menlo Oaks. R D Squires to whom it may concern.....	Sept. 28, 1931
Sept. 29, 1931—PART LOT 29 BLK 2 Stanford Park. Charles M Stevenson to whom it may concern.....	Sept. 28, 1931
Sept. 29, 1931—LOT 25 BLK 1, Jefferson Park. Castle Building Co to Henry Horn.....	Sept. 21, 1931
Sept. 30, 1931—LOT 2 BLK 41, Devonshire. Mable G Carlisle to whom it may concern.....	Sept. 29, 1931
Sept. 30, 1931—PART LOT 9 BLK 23, San Carlos. Wm Keppeler vs Sadie O Esueault.....	\$302
Oct. 2, 1931—LOT 3 BLK C Fay Redwood Garden. Victor L Doppee, \$213.75; Palo Alto Lumber Co, \$283.75 vs George C Ogden.....	

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded	Amount
Sept. 29, 1931—LOT 8 BLK 11, Sweeney Tract, San Mateo. A R Ford; W m Schimp; San Carlos Feed & Fuel Co; Merns Lumber Co; C Anderson et al; John Rolla and Smith Lumber Co to Florence Manuels et al.....	
Sept. 29, 1931—PART SE ¼ OF Sec. 28 Tsp 7 S R 2 W 4 and containing 3 acres mor l. Robert Tower, \$253.43; Hamilton Morton Jr. & — to Ellis E Kennedy.....	
Sept. 30, 1931—61.28 Acres Part Farney Tract in the Rancho de Los Esteros partly within and partly without Town of Alviso with exceptions. Freiermuth Pipe & Sheet Metal Co to William R Thorsen.....	\$1644.14
Oct. 1, 1931—PTN BLK 6 R 5 W lds of Mary Scheller NW Grant 185 ft. SW Locust NW part Locust 218.80 to EE Reed St. SW on Reed St. 50	

SE part Locust 218.80 to Grant St. NE on Grant St. 50 to pt. of beg., San Jose Camino Pailano to Jack, Josephine, Domingo and Nina Carmona.....\$1757.69

EXTENSION OF LIEN

SAN MATEO COUNTY

Sept. 29, 1931—LOCATION NOT Given. F M McNulty to Union League Golf Club. 30 days extension

BUILDING PERMITS

REDWOOD CITY

DWELLING, frame, 6-rooms, bath and garage, \$4000; No. 53 Woodrow St., Redwood City; owner, G. Nordstrom; contractor, H. Soderstrom, 848 Head St., San Francisco.
DWELLING, frame, 4-room and bath, \$2000; No. 1860 Harding St., Redwood City; owner, W. A. Speers, 1246 32nd Ave., San Francisco; contractor, Frank Storey.
DWELLING, frame, 6-room, bath and garage, \$4000; No. 121 Somerset Redwood City; owner and contractor, Bernstein & Steinegger.
DWELLING, frame, 6-rooms, bath and garage, \$4000; No. 121 Somerset St., Redwood City; owner, Paul Butman; contractor, P. Butman, 415 Lincoln St., Redwood City.
DWELLING, 2-story, 7-room frame and garage, \$6000; 36 Woodstock Place; owner, F. C. Brandenburg, 751 Webster St. Palo Alto; contractor, C. A. Hansen.

BUILDING PERMITS

SAN JOSE

RESIDENCE, frame, 6-room, \$3000; Chestnut St. near Hamline, San Jose; owner, Frank Lema, General Delivery, Santa Clara; contractor, Frank Gardin, 1826 Lafayette St., Santa Clara.
ALTER frame residence, \$1500; No. 286 N-Fifteenth St., San Jose; owner, Margaret Smith, School Department, Napa; contractor, L. E. Klingham, 432 College Avenue, Palo Alto.
BRIDGE, concrete, \$20,500; San Augustine St., San Jose; owner, City of San Jose; contractor, R. O. Summers, 7 N-First St., San Jose.
ALTER frame residence, \$1500; No. 1151 University Ave., San Jose; owner, Dr. E. A. Abbott, Prem.; contractor, Robt. B. Gray, 715 S-Fifth St., San Jose.
RESIDENCE, frame, 5-room, \$3000; Hamline St. near Myrtle St., San Jose; owner and contractor, E. F. Hall, 992 University Ave., San Jose.
RESIDENCE, frame 5-room, \$2000; 34th St. near St. John Sts., San Jose; owner, Paul Sprowl, 131 S-24th St., San Jose.
RESIDENCE, frame, 5-room, \$2500; Ninth St. near Empire St., San

Member Insurance Brokers' Exchange

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INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

Jose; owner, R. Barcelona, 551 Nevada St., San Jose.
APARTMENTS (4) 2-story frame, Nueces St. near Park, San Jose; owner, J. S. Mose, 97 N. Market St., San Jose; contractor, Paul Anderson, 1210 Lincoln St., San Jose.

ALTER frame residence, \$1350; No. 1574 McDaniel St., San Jose; owner, B. O. Charrand, Premises; contractor, Wm. O'Neil, 1500 McDaniel St., San Jose.

ALTER 2-story frame residence into (3) apartment house; owner, Mrs. H. Lake, 271 N-Ninth St., San Jose; contractor, A. F. Bell, 146 N-Ninth St., San Jose.

BUILDING PERMITS

PALO ALTO

RESIDENCE, stucco, \$4000; No. 379 Margarita Ave., Palo Alto; owner, W. R. Bartley, 450 California Ave., Palo Alto.

DWELLING, 2-story, frame and stucco and garage, \$10,000; No. 100 Waverly Oaks, Palo Alto; owner, Reta A. Lemos, 460 Churchill St., Palo Alto.

RESIDENCE, stucco, 2-story and garage, \$9300; No. 362 Dana St., Palo Alto; owner, Dr. R. J. Gerlough, 551 Santa Cruz Ave., Menlo Park; contractor, W. S. & H. Gibson, 1475 Hamilton St., Palo Alto.

RESIDENCE, frame and stucco 2-story and garage, \$4125; No. 1010 Stanford Ave., Palo Alto; owner, Ella M. Raymond.

BUILDING PERMITS

BURLINGAME

RESIDENCE, \$5000; Lot 20 Blk 3, Corbett Road; owner, Jack Burns, 115 Stanley Road; contractor, M. Sorensen, 118 Bancroft.

RESIDENCE, \$4000; 4 Willbrough; owner and builder, Geo. W. Williams Co., Ltd., 315 Primrose.

RESIDENCE, \$4000; 5 Willbrough; Willbrough Road; owner and builder, Geo. W. Williams Co., Ltd., 315 Primrose.

RESIDENCE, \$4000; 6 Willbrough; Willbrough Road; owner and builder, Geo. W. Williams Co., Ltd., 315 Primrose.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
 Oct. 2, 1931—LOT 47 Map of Willow Glen Orchard Tract, situate on the Narvaes Ranch, M. A. and Essie J. Urestadt to whom it may concern.....Sept. 30, 1931

Oct. 2, 1931—LOT 5 BLK 4, Jas. A. Clayton & Co's Subd of Vendome Grounds, San Jose. Stella Mary Watson to George D. McCrary.....Sept. 30, 1931

Oct. 3, 1931—LOT 665, Gerona Road, Stanford University, Palo Alto. O. H. Blackman (lessee) to E. J. Schmaling.....Oct. 1, 1931

Oct. 3, 1931—NE MAIN ST AND Santa Cruz Ave., Los Gatos. Bank of American National Trust & Savings Assn to Jacks & Irvine, Inc.....Sept. 26, 1931

Oct. 5, 1931—LOT 10 BLK 124, Crescent Park, Palo Alto. Dorothy Iris and W. F. Klay to whom it may concern.....Sept. 22, 1931

Oct. 5, 1931—(1) LOTS 15, 16 AND 17 Blk 3, College Terrace, Palo Alto: (2) strip of land 30 ft. wide adj Lot 17 Blk 3, above mentioned on SE and being NW 1/2 of Oxford Ave fronting on Lot 17; (3) Lots

13 and 14 Blk 3, College Terrace. L. Moreau; G. Peterson and Sarah C. Wardell Peterson to C. E. Finnell and A. G. Fryckman.....Oct. 2, 1931

Oct. 5, 1931—LOT 2 of C. B. Neel Subd of Lot 129, Palo Alto. Dorothy Iris and W. F. Klay to whom it may concern.....Sept. 22, 1931

Oct. 5, 1931—NO. 684 FOOTHILL RD Stanford University, Palo Alto. George B. Culver to Wells P. Goodenough.....Oct. 2, 1931

Sept. 29, 1931—LOT 28, Mayflower Park, San Jose. Joseph E. Fallo to George G. Veteran.....Sept. 28, 1931

Sept. 30, 1931—LOT 4 BLK 1, Herschbachs Subd of North Glen Residence Park, Willow Glen. Ira Brotzman to whom it may concern.....Sept. 30, 1931

Oct. 1, 1931—PTN LOT 3 BLK 71, University Park (now Palo Alto) D Maps 69 desc as SW Hale and NW Forest Ave on Ave SW 26.10 SW 53.17 NW 85 NE 75 to Hale St. SE 75 to pt of beg. Christian and Ida May Samuels to whom it may concern.....Oct. 1, 1931

Oct. 1, 1931—NO. 575 POPE ST, being 65 ft. frontage on E Pope St. 92 ft. N of Hamilton Ave., Palo Alto. Marjorie S. Price to whom it may concern.....August 1, 1931

BUILDING CONTRACTS

MONTEREY COUNTY

RESIDENCE
 LOT 13 BLK 259, Pacific Grove. All work for two-story frame and stucco residence with concrete foundation.

Owner—Salvatore Enea, Pittsburg.
 Architects—Wesley W. Hastings and A. W. Story, 282 Alvarado St., Monterey.

Contractor—Horace J. Siino, Pittsburg.
 Filed Oct. 1, '31. Dated Sept. 17, '31. Four equal payments:

Frame up.....\$1432.50
 1st coat plaster on.....1432.50
 Completed and accepted.....1432.50
 Usual 35 days.....1432.50

TOTAL COST, \$5730.00
 Bond, \$10,554. Sureties, Horace J. Siino, Sal. E. Siino, Joseph H. and Speranza Siino. Limit, 75 working days. Forfeit, none. Plans and specifications filed.

RESIDENCE
 LOT 12 BLK 259, Pacific Grove. All work for one-story frame residence resting on concrete foundation.

Owner—Sylvester Enea, Pittsburg.
 Architects—Wesley W. Hastings and A. W. Story, 282 Alvarado St., Monterey.

Contractor—Horace J. Siino, Pittsburg.
 Filed Oct. 1, '31. Dated, Sept. 17, '31. Frame up.....\$1260

1st coat mortar on.....1260
 Completed and accepted.....1260
 Usual 35 days.....1260

TOTAL COST, \$5040
 Bond, \$10,544. Sureties, Horace J. Siino, Sal. E. Siino, Joseph H. Siino and Speranza Siino. Limit, 75 working days. Forfeit, none. Plans and specifications filed.

SCHOOLS
ROOSEVELT & LINCOLN SCHOOL Sites, Salinas. General work for additions to schools.

Owner—Salinas City School District, Salinas.
 Architect—Charles E. Butner, Glik-barg Bldg., Salinas.

Contractor—J. H. Graham, Romie Lane, Salinas.
 As work progresses.....75%
 Usual 35 days.....25%

TOTAL COST, \$23,681
 Bond, \$11,840.50. Surety, Maryland

Casualty Co. Limit, 75 working days. Forfeit, none. Plans and specifications filed.

ELECTRICAL WORK ON ABOVE.
 Contractor—Salinas Electric Works, 272 Main St., Salinas.
 Filed Sept. 29, '31. Dated Sept. 23, '31. Payments same as above.....

TOTAL COST, \$514
 Bond, \$514. Surety, Maryland Casualty Co. Limit, 75 working days. Forfeit, none. Plans and specifications filed.

PLUMBING HEATING AND SHEET metal work on above.
 Contractor—Anderson Dougherty - Hargis Co., 225 Main St., Salinas.
 Payments same as above.....

TOTAL COST, \$7115
 Bond, \$7115. Surety, Maryland Casualty Co. Limit, 75 working days. Forfeit, none. Plans and specifications filed.

SITE of present Spring Dist. School; general construction of one-room addition to and toilets in school building.

Owner—Spring School District, Salinas.
 Architect—Charles E. Butner, Glik-barg Bldg., Salinas.

Contractor—C. M. Norgrove.
 Filed Oct. 2, '31. Dated Sept. 22, '31. When frame is up.....\$1,676.75
 When brown coated.....1,676.75
 Completion & acceptance.....1,676.75
 Usual 35 days.....1,676.75

TOTAL COST, \$6,707.00
 Bond, \$6,707.50. Sureties, Fidelity & Deposit Co. of Maryland. Limit, 55 working days. Plans and Spec. filed.

STORE

LOT 8 BLOCK 26, Monterey; general construction on 1-story concrete store building.

Owner—Thomas Wood, Monterey.
 Architect—A. W. Story and Wesley W. Hastings, Monterey.
 Contractor—Chester J. Raymond, 203 Pine St., Pacific Grove.

Filed Oct. 2, '31. Dated Oct. 1, '31. When excavation and footings in, etc.....\$1500

Concrete poured and roof is framed.....1500
 When completed.....1500
 Usual 35 days.....1500

TOTAL COST, \$6000
 Bond, \$6000. Sureties, T. A. Work, Jr., and Ernest H. Raymond. Limit, 55 working days. Plans and Spec. filed.

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
 Oct. 1, 1931—LOT 11 BLK 18, Monte Regio No 1, Monterey. Luis and Rose Estrada to W. C. Mann.....September 29, 1931

BUILDING PERMITS

RICHMOND

COTTAGE, frame and plastered, 6-room, \$6000; N Roosevelt St., bet. 31st and 32nd Sts., Richmond; owner, Carl Greendale, 234 S-43rd St., Richmond; plans by Owner.

REMODEL interior of brick building for 8 bowling alleys, \$1000; E 13th St., bet. Macdonald and Bissell Aves., Richmond; owner, P. M. Sanford, Mira Vista, Richmond; plans by Owner.

COTTAGE, frame and plaster, 5-room and garage, \$4000; E 12th St., bet. Roosevelt and Pennsylvania Sts., Richmond; owner, Mrs. A. H. Winchloe, 622 12th St.; plans by Owner; contractor, David Dryden, 424 Key Blvd., Richmond.

COTTAGE, frame and plastered, 5-room and garage, \$3500; N Macdonald Ave., bet. Carlton and Humboldt, Richmond; owner, F. M. Reimbaugh, Kains and Dartmouth Sts., Albany; plans by Owner; contractor, D. M. Eyre, 1726 Franklin St., Oakland.

DWELLING, brick veneer, 7-room and garage, \$6000; No. 937 West Elm St., Stockton; owner, G. E. Cannon, 1227 E-Acacia St., Stockton; contractor, E. Merlo, Moreing's Lane, Stockton.

DWELLING, brick veneer, 7-room and garage, \$7500; No. 2618 Westminster Ave., Stockton; owner, J. D. Fitch, 136 E-Asn St., Stockton; contractor, Frank P. Guyon, 1211 E-Main St., Stockton.

BUILDING PERMITS

STOCKTON

DWELLING and garage, frame and stucco, \$4900; No. 1867 Lexington Ave., Stockton; owner, F. P. Dobson, 1150 W-Harding St., Stockton

DWELLING, rustic 5-room and garage, \$3000; No. 1093 W-Magnolia St., Stockton; owner and contractor, Berdina L. Schmale, 2151 E. Scotts Ave., Stockton.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded	Accepted
Oct. 6, 1931—LOTS 11 AND 12 BLK 4, Mosswood Park, Stockton. Iola S. Young to Robert J. Young.....	October 2, 1931
Oct. 5, 1931—LOT 7 BLK 29, Subd. No. 2, Tuxedo Park. F. P. Dobson to whom it may concern.....	Oct. 2, 1931
Oct. 1, 1931—LOT 24 BLK 2, Lakeview. S. C. Giles to whom it may concern.....	Sept. 29, 1931

LIENS FILED

SAN JOAQUIN COUNTY

Recorded	Amount
Sept. 30, 1931—S 150 FT. LOT 176, Burkett Acres Community, Diamond Match Co vs Alfred F Meyer and wife.....	\$96.75

COMPLETION NOTICES

MARIN COUNTY

Recorded	Accepted
Sept. 26, 1931—LARKSPUR. Louis L. Robinson to Manuel dos Reis, Jr.....	September 26, 1931
Sept. 29, 1931—SAN ANSELMO, Jas C Leach to Leach & Wallace.....	September 29, 1931
Oct. 1, 1931—SAN ANSELMO. Siemer & Kendall.....	September 30, 1931
Oct. 1, 1931—LARKSPUR. Frank L. Kellogg to whom it may concern.....	October 1, 1931

LIENS FILED

MARIN COUNTY

Recorded	Amount
Oct. 1, 1931—LARKSPUR, Palm Hill. A B Wood vs Frank L Kellogg.....	\$109.06

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded	Accepted
Sept. 30, 1931—LOTS 11 & 12 BLK 25, Nicholl Macdonald Ave, Civic Center. Martin G Dahl to Martin G Dahl.....	Sept. 29, 1931

Sept. 30, 1931—LOT 46 and Ptn Lot 47 Blk 6, Cerrito Park. Walter C and Stella V Marshall to W G Jorgensen.....

Oct. 1, 1931—LOTS 39, 40 AND 41 Blk 4, Almond Court Addition to Walnut Creek. Anker Weidsted to whom it may concern.....

Oct. 2, 1931—LOT 7 BLK 1, Amended Map of Portion of Blk A, Town of Rodeo, East. M L and Pauline Portado to Karl S Koller.....

Oct. 3, 1931—TOWN OF WALNUT Creek, California Water Service Co to E M Gillerman Co.....

Sept. 29, 1931—LOT 7 BLK 109, East Richmond Heights No. 3. Atlas Development Co, Ltd to Jeanne Louise Bielefeld.....

Sept. 29, 1931—LOT 18 BLK 111, East Richmond Heights Tract No. 3, Richmond. Atlas Development Co, Ltd to Jeanne Louise Bielefeld.....

LIENS FILED

CONTRA COSTA COUNTY

Recorded	Amount
Oct. 1, 1931—LOTS 1 TO 9 INCL. Blk 239, Walls Second Addition to Richmond. General Mill & Lumber Co, \$140.26; H H Beebe, \$105 vs C J Lambrecht and L D Murlin.....	
Oct. 2, 1931—LOT 4 & W 12 1/2 Lot 5 Blk 6, Richmond City Center. Markus Hardware Co vs C H Nicholson and G N Baycroft.....	\$45.85
Oct. 5, 1931—LOTS 5 AND 6 BLK 5, Am. No. 2 of Blk A and Am. Map of Blk B, Town of Rodeo. H F. Maria, \$304; John Ferreira, \$368.52 vs Manuel Alameda.....	

BUILDING PERMITS

SACRAMENTO

ADDITION, \$4750; No. 132 R St., Sacramento; owner, Perkins & Co., Premises; contractor, James T. Ransdall, 1424 38th St., Sacramento.

DWELLING, frame & stucco, 8-room, \$6000; No. 1356 43rd St., Sacramento; owner and contractor, C. H. Thompson, 3432 Serra St., Sacramento.

RESIDENCES (2) one-story frame and stucco and garages, \$5000 each; No. 1108 Swanston Dr. and 1131 Robertson Dr., Sacramento; owner and contractor, F. H. Bell, 1306 36th St., Sacramento.

RESIDENCE and garage, \$6000; 2200 Markham Way; owner, J. A. Reveal, 3157 D St.; contractor, R. L. Hathaway, 720 Redwood Ave.

RESIDENCE, 7-room frame and stucco and garage, \$6000; 1129 Perkins Way; owner and builder, N. H. Lund, 2549 6th Ave.

RESIDENCE, 5-room frame, \$3,000; 1835 44th St.; owner, Peerless Securities Co.; contractor, Klein Realty Co., 1009 8th St.

RESIDENCE, stucco, 7-room and garage, \$6000; 3333 McKinley Blvd.; Sacramento; owner and contractor, T. A. Scott, 2429 E St., Sacramento.

RESIDENCE, frame and stucco, 7-room and garage, \$5000; No. 450 35th St., Sacramento; owner, A. S. Hackett, 724 36th St., Sacramento

RESIDENCE, frame and stucco, 8-room and garage, \$5000; No. 2781 41st St., Sacramento; owner, W. H. Orden, 4200 San Bonita St., Sacramento.

STONE, brick, \$7264. No. 4232 H St., Sacramento; owner, C. J. Nealls, 2206 V St., Sacramento; contractor F. Maloney, 3172 T St., Sacramento.

REMODEL, \$1000; No. 525 N St., Sacramento; owner and contractor, M. Oppen, 415 13th St., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded	Accepted
Sept. 29, 1931—LOT 502, Swanston Park Unit No. 2, Sacramento. Justa Fernandez to whom it may concern.....	Sept. 21, 1931
Sept. 29, 1931—LOT 134, Swanston Park Unit. Anthony L. and Elsie M Chargin to whom it may concern.....	Sept. 28, 1931
Sept. 29, 1931—LOT 253, South Curtis Oaks Subd No. 6. Earl and Ella M Long to whom it may concern.....	Sept. 22, 1931
Oct. 1, 1931—LOT 5 EAST END Add Amd. Leonard Giordano to whom it may concern.....	Sept. 22, 1931
Oct. 2, 1931—LOT 29 W. & K. TCT. No. 34, Sacramento. Frank Lee Thomas Jr to whom it may concern.....	Sept. 24, 1931
Oct. 3, 1931—LOT 4 Carly Park, Sacramento. W P Phillips to whom it may concern.....	Oct. 1, 1931

LIENS FILED

SACRAMENTO COUNTY

Recorded	Amount
Oct. 3, 1931—LOT 1, O, P, 11th and 12th Sts., Sacramento. Frank Z Ahl vs Charles W Meyer Jr.....	\$573.40

COMPLETION NOTICES

FRESNO COUNTY

Recorded	Accepted
Sept. 30, 1931—LOTS 15 AND 16 BLK 86, Sierra Vista Addition No. 4, Fresno. Frank J Maslowski et ux to whom it may concern.....	Sept. 29, 1931
Sept. 30, 1931—LOTS 9 AND 10 BLK 8, College Addition, Fresno. W T Harris to whom it may concern.....	Sept. 28, 1931
Oct. 2, 1931—E 190 FT. LOT 176, P-G, F. G. Sub No. 1, Fresno. H L Patterson et ux to whom it may concern.....	Oct. 1, 1931
Oct. 3, 1931—SW 1/4 OF NE 1/4 OF Section 23, 14-20. David Der Half-bedian to whom it may concern.....	Sept. 28, 1931

MARIN WAGE SCALE DRAWS LABOR PROTEST

Labor leaders of Marin County have protested the rise of wages paid on county projects. The protestants claim that the prevailing scale throughout the county is higher than that given in the listing published in connection with county improvements.

The labor men cited the following schedule:

	Pub. rate	Prev. rate
Tractor driver	\$5	\$7.50-.88
Truck driver	\$5	\$6.00-.55
Roller operator	\$5	\$6.00-
Grade operator	\$5	\$7.00-.88
Common laborer	\$4	\$4.00-
Skilled laborer	\$5	\$5.50-

The variance in the prevailing rate is caused by the size of the machine operated, the protestants explained, for instance, that the driver of a large truck is paid more than the driver of a small one.

ENGINEERING SOCIETIES EMPLOYMENT SERVICE

Further information regarding positions listed in this column is obtainable from Newton D. Cook, Room 715, 67 Post Street, San Francisco. (Phone Sutter 1684).

W-2828-C-S SALES ENGINEER, to sell a patented jack equipment to contractors in all lines. Commissions amount from \$15 to \$40 an order. Opportunity for active man with acquaintance in any contracting or construction line and in any territory. Commission, 20%. Apply by letter. Headquarters, New York.

W-2891-C-S CIVIL ENGINEERS with considerable experience in design and construction of buildings for roundhouses, back shops, ear shops and other railroad industrial buildings. They must have at least ten years' experience in this line. Salary, \$500-\$600 a month, less income tax. 25% to 30% in American money and balance in rubles for living expenses. Transportation furnished. No accommodations for family. Apply only by letter. Locations, Leningrad, Kharkow and Ural.

W-3123-C-S (K-384) SALES REPRESENTATIVES. Long established prominent manufacturer of power and steam generating equipment is seeking sales representation in the following cities: Denver, Phoenix, Los Angeles and other cities in the Middlewest and South. Liberal commissions granted on sales. Apply only by letter. Headquarters, Middlewest.

R-3637-S HYDRAULIC ENGINEER, competent to design deep well turbine centrifugal pumps. Must be up-to-date in theory and practice as position requires a man who can qualify as chief engineer. Apply by letter with experience and salary expected. Location, Northern California.

W-2999-S (K-382) TIME STUDY ENGINEERS. Must be expert analysts, thoroughly familiar with the different accepted incentive wage payment plans, have pleasing personalities and the faculties to put the work across. Should be at least 25 to 30 years old, and have had at least five years' practical experience, personally making time studies, analyzing them themselves and putting them across to a successful finish. Apply only by letter. Location, West Coast.

BUSINESS OPPORTUNITIES

Names and addresses of persons or firms concerned in the following opportunities will be furnished on request to Business Opportunity Department, Daily Pacific Builder, 547 Mission St., San Francisco, or phone GARfield 8744:

21418—Representation. Paris, France. Firm has proposition to offer those interested in representation in Europe.

21419—Plywood. San Francisco. Firm in Norway inquires for addresses of local buyers of plywood.

21420—Mosaic Borders, etc. Michelbach, Germany. Manufacturers and exporters of mosaic borders, marquetry for furniture, etc., seeks representation.

21427—Mixed Nails. Dixon, Ill. Firm with approximately 20,000 lbs. of plain steel nail shorts, consisting of mixed gauges from 8 to 13½, which they are quoting at \$40.00 per net ton, f.o.b.,

Dixon, Ill., wish to be put in touch with steel exporters.

21428—Representation. San Francisco. Former U. S. navy officer and practicing attorney leaving San Francisco shortly for extended stay in the Philippines and China available to represent local manufacturers.

21430—Radio Equipment. Christchurch, New Zealand. Importers and inventors of radio and electrical goods wish to be put in touch with actual manufacturers. References available.

21432—Folding Card Tables, Etc.—San Francisco. Manufacturers of folding card tables and folding chairs desire to contact exporters of such equipment. Correspondence invited.

21433—Playground and Swimming Pool Equipment—San Francisco. Manufacturers of above equipment wish to be put in touch with interested exporters.

H. W. Masters, Weber Incinerator Co., 1448 West Slauson Ave., Los Angeles, wishes to secure firm already established in cement business to manufacture and distribute their incinerators on a royalty basis.

J. D. Federbush, Federbush Bros. Loose Leaf Co., Inc., 160 Varick St., New York City, is desirous of securing man or men to represent them in this city and surrounding territory to sell their line of loose leaf binders, systems and forms direct to users or stationers.

Secretary, Harrisburg Pipe & Pipe Bending Co., Harrisburg, Pa., desires to contact someone to handle their line of steel and steel products for the State of California and surrounding territory.

Lee Gilbert, 716 Chapman Bldg., Los Angeles, Cal., wishes to secure representation for new door lock, in this territory.

V. M. Drew, Sales Manager, Commercial Division, Highway Trailer Co., Edgerton, Wis., manufacturers of highway trailers desire to appoint a distributor to handle their line in California on an exclusive basis.

COAST UTILITIES MAINTAIN WAGES

Employment has been comparatively steadier among public utility companies than in general manufacturing lines, data compiled by the California department of industrial relations reveals. Wages also were maintained better by utilities.

Employment by the public utility companies declined 13.9 per cent from August 1930 to August 1931, at the same time receding 17.6 per cent in factories. While the factory weekly pay check slipped 13.1 per cent in the year, the utility companies average weekly earnings for employees declined only 3.3 per cent.

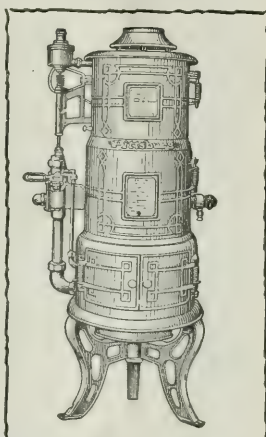
The average pay envelope for the public service companies was \$31.09 in August. For the factory workers it was \$25.19.

MERCED COUNTY ADOPTS WAGE SCALE

The Merced County supervisors have adopted the following scale of wages to apply on building construction undertaken by the county:

Bricklayers	\$11.00
Bricklayers' hod carriers	6.00
Carpenters	8.00
Carpenters' apprentices	\$4.50 and up
Cement finishers	8.35
Lathers	10.50
Laborers (building and common)	4.00
Painters	8.00
Pile driver operators	8.00
Plasterers	12.00
Plasterers' hod carriers	6.00
Plumbers	9.00
Roofers	8.00
Sheet metal workers	9.00
Shinglers	9.00
Wiremen	9.00

Double time shall be paid for work on Sundays and holidays. One and one-half time shall be paid for overtime.



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BUILDING *and* ENGINEERING NEWS

Publication Office
547 Mission Street

SAN FRANCISCO, CALIF., OCTOBER 17, 1931

Published Every Saturday
Thirty-fifth Year, No. 42

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SAN FRANCISCO, CALIF., OCTOBER 17, 1931

Thirty-fifth Year, No. 42

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BAY BRIDGE TO BE DOUBLE DECK TYPE

The San Francisco-Oakland bay bridge will be a suspension type, double-decked bridge between Rincon hill and the vicinity of pier 24, San Francisco, to Yerba Buena Island, and thence to the West Oakland shore.

This decision was reached by the board of consulting engineers for the bridge, meeting in an all-day session at headquarters for the bridge construction at 500 Sansome street. The decision was announced by State Highway Engineer Charles H. Purcell, who will have charge of the construction of the \$75,000,000 span.

The engineers decided to have six traffic lanes for automobiles on the top deck and on the lower deck two lanes for heavy motor trucks and two lanes for interurban electric or steam trams.

ZEDRIC FURRING NAIL GAINING POPULAR USE

The Zedric Furring Nail, which was developed locally and is now largely used in the Bay District, is coming into national use. The simplicity and decided advantages of this furring nail are outstanding, according to the manufacturers. They are of interest to the owner, the architect and the plasterer on all stucco construction.

Made entirely of galvanized metal, the Zedric Furring Nail is permanent. It maintains its full strength. Due to the construction of the furring element this nail is braced in all directions. It will not let the mesh sag. The mesh is held at a uniform constant distance from the sheathing and less cracking of plaster can occur.

The furring element is flush with the point of the nail. It has no sharp corners and is so shaped that it can be slipped under the mesh and driven in without raising the mesh and without danger of tearing the paper. When the nail is driven the furring element makes a tight contact with the paper and water-proofs the nail hole in the paper.

Of particular interest to the plasterer is the ease with which the Zedric Furring Nail may be used, speeding up the application of mesh and being used with safety from cut fingers.

The Zedric Furring Nail has been acquired by Barnes Corning Company which will continue to manufacture this product in San Francisco. It is sold by building materials dealers and hardware stores.

Under an opinion filed with the San Mateo County Supervisors by Asst. Atty. Gen. C. A. Wetmore Jr., the 5-cent special tax for the La Honda road is illegal. District Attorney Edmund Scott, commenting upon the opinion, declared a complete reorganization of the county system of financing road construction, amounting to \$250,000, will be necessary.

Architect Employment On Bombing Base Denied By Quartermaster Office

"It is not the intention to engage private architects on the preparation of plans for the new Bombing Base in Marin County as has been rumored," says Captain H. B. Nurse, Quartermaster Corps, with headquarters at Fort Mason.

"A few civil service draftsmen are employed in the office of the Constructing Quartermaster in preparing certain plans for this work, but no additional positions will be created or required," Captain Nurse declares.

ARCHITECTS' BOARD WITHDRAWS APPEAL

On motion of the State Board of Architectural Examiners, the State Appellate Court last Wednesday dismissed an appeal action, filed by the board September 17, in the case of W. H. Weeks, San Francisco and Oakland architect.

The board last March revoked Weeks' license for alleged inflating of prices on buildings on which he was employed as architect. Attorney Alan C. Van Fleet, attorney for the State Board, estimated the amount at \$100,000.

On September 2 the Superior Court ruled that the State Board had exceeded its jurisdiction. Attorneys for the board gave notice of an appeal. Yesterday the appeal was dismissed.

PHILLIPS, BUILDER LOSES STATE LICENSE

The contracting license of G. J. Phillips, of Placerville has been suspended by the State Department of Professional and Vocational Standards on a complaint of non-performance of contract on a job in Sacramento.

The suspension was placed after Phillips had failed to appear at a hearing on the complaint held by the department.

Information in the hands of the state official shows that Phillips had contracted to remodel a residence at 2725 Fifth Ave. for G. W. Ochsner, but failed to complete the work.

The suspension stands until Phillips makes a settlement, and prohibits him from engaging in contractual work.

William S. Mather, 23, University of California graduate in engineering, Class of 1930, died in Chile two weeks ago, according to word received at his home in Carmel, Calif. Mather was engaged as an experimental engineer for the Guggenheim interests.

Civil Engineer Board Sets Examination Date

An examination for the registration of civil engineers under the California registration law will be held in the State Building, San Francisco, October 29, 30 and 31.

The first examination, under the new law, will be held October 22, 23 and 24 in Room 1002, City Hall, Los Angeles, it is announced by Pecos H. Calahan, assistant secretary of the Board of Registration for Civil Engineers.

About 15 applications for examination are on file in the southern district and about the same number in the northern district.

ASSESSMENT METHODS STUDIED FOR CITIES

Assessment of abutting property is the generally accepted method of building city pavements according to a study made by the city officials' division of the American Road Builders' Association.

Assessment practice in seventeen cities in all parts of the country show the following points of similarity: Street railway paving costs are paid by the utility company; heavy grading is usually paid for by the city; sidewalks and alleys are paid for by the abutting property owner; street intersections are paid for by the city in about 50 per cent of the cities canvassed; the city retains discretionary powers in the selection of the type of pavement to be used.

"While there seems to be no such thing as a precise equity in any of the methods of assessment," stated Capt. H. C. Whitehurst, engineer of highways, Washington, D. C., "where private property is enhanced in value, it seems fair that the property should bear its share of the cost of a public improvement."

BUILDING MATERIAL YARD AT BOULDER

Fred C. Snell and P. S. Webb, 339 N. Beverly Dr., Beverly Hills, have been granted a permit by the Bureau of Reclamation, U. S. Department of the Interior, to open and operate a building material yard at Boulder City, Nevada. They have leased an entire block east of the Standard Oil Company's storage plant and are making plans for a warehouse and office building to be erected immediately. A complete line of building supplies will be available from stocks to be carried there. Concessionaires and contractors are invited to address any inquiries for the present to F. C. Snell at the address in Beverly Hills. After October 15 inquiries should be addressed to the Boulder City Builders' Supply Company, Boulder City, Nev.

VIEWS OF COLORADO SUPREME COURT IN RULING ON DENVER CITY HALL ARCHITECTURAL PLAN

Considerable interest has been aroused in the recent decision of the Supreme Court of Colorado holding void a contract made by the city of Denver with the Allied Architects Association of that city for services in designing and supervising the erection of the new city hall in Denver.

The two leading questions involved in the litigation were whether under the provisions of the city charter a contract could be made for architectural services without first advertising for bids and whether a corporation, even though composed of licensed architects, could legally be considered entitled as such to practice architecture.

In the district court of Denver an affirmative opinion was given on both these questions but in the Supreme Court the decision of the lower court was overruled. It was held by the high court that the provision of the city charter requiring contracts to be let on competitive bids applied to architectural services as well as to construction; also that under the Colorado state law regulating the practice of architecture as drawn a corporation cannot practice architecture even though another statute stipulates that a "corporation engaged in the planning or the supervision of the erection of buildings for others shall be regarded as an architect" and may be fined for practicing architecture without a license.

Views of the Supreme Court as disclosed in its prepared opinion on the case are interesting. The case was styled Johnson-Olmsted Realty Company vs. City and County of Denver, et al., Colorado Supreme Court, No. 12322. Error to the District Court, City and County of Denver. Reviewing the circumstances in connection with the suit, which was to restrain, as unlawful, payment of any money to the Allied Architects Association under the contract, the court says:

Object of the Association

"The circumstances leading up to the making of the contract between the city and the association may furnish some light upon our inquiry. The complaint charges that the association was formed for the sole purpose of entering into the contract and some basis for this is to be found in the association's by-laws, for these, unlike its broad articles, limit the activities, or 'paramount purpose' as it is therein termed, 'to secure for and to provide the county and city of Denver with the highest and best expression of the profession of architecture, in the design and construction of the proposed city hall and court house building. No other commission or employment may be undertaken by the association without an approval vote first being had from the membership * * *'

"The complaint further charges that the purpose of organizing the association was to stifle and prevent competition in the matter of the services contracted to be furnished. The stipulation of facts admits that prior to November 21, 1924, the date of the filing of the articles of incorporation, the defendant mayor met and tentatively agreed with a number of Denver architects that the association should be formed and that it should be the architect for the proposed mu-

nicipal building. Whether or not it was agreed what compensation should be paid does not appear but the ordinance above referred to recites in full a contract which the council, whether in proper exercise of its powers or not it is unnecessary to determine, authorized the mayor and clerk to subscribe in behalf of the city.

Terms of the Contract

"This ordinance was introduced immediately after the incorporation of the association, passed by the council on December 1, 1924, and approved by the mayor on December 3, 1924. By its terms the association was to receive for the services mentioned in (a) above, two-fifths of 6 per cent of the total cost of the building, for (b) two-fifths, and for (c) one-fifth, with provision for additional compensation of cost plus 10 per cent for services required by the city because of changes in plans or the like.

"We shall not presume to place a construction on the acts so changed and those admitted to have been done except to say that we can not, in view of our belief that the contract was unlawful and illegally entered into, approve such methods of conducting business of municipalities.

"The argument of the association and of the city, is of course, that the city may contract for the services of an architect without complying with the requirement that bids must be called for before a contract can be entered into, and this view was adopted by the court below. In his opinion the learned trial judge finds that it was not 'possible or practicable to make such a preliminary contract the subject of general competition.' No reason for this statement appears and we are very faintly it be entirely sound for the city to obtain the very finest of architectural service upon bids. Further inquiry into this phase is, however, unnecessary, for, as will appear, the reason for the rule is not present and hence the rule must fall also.

"Neither does the statement take into consideration the words 'reliable' and 'responsible' used in section 28, for it would seem that if proper significance be given those words it would be entirely possible for the city to obtain the very finest of architectural service upon bids. Further inquiry into this phase is, however, unnecessary, for, as will appear, the reason for the rule is not present and hence the rule must fall also.

"Neither does the statement take into consideration the words 'reliable' and 'responsible' used in section 28, for it would seem that if proper significance be given those words it would be entirely possible for the city to obtain the very finest of architectural service upon bids. Further inquiry into this phase is, however, unnecessary, for, as will appear, the reason for the rule is not present and hence the rule must fall also.

Exception for Architects

"The reason for the rule that an exception in favor of architects must be read into the plain language of section 28 is, counsel say, that competitive bidding statutes cannot be rationally applied to contracts for the employment of architects because the value of such services depends not upon the amount of money to be paid but upon the selection of the person by the exercise of a wise and unhampered discretion in the one seeking such services, for the qualities of reputation and personal and professional trustworthiness are paramount.

"Has that rule application here, even if we were to adopt it? We think not, for in the case at bar, the very elements so much to be desired in the person employed are not found.

The city did not employ one or two or any number of architects; it employed a corporation itself not licensed. True, some apparently very able architects are members of the association and are said by counsel to have been or are engaged in the present construction of the building, but how long they were or will be is a matter not in the hands of the association but in the hands of the association. Without let or hindrance from the city the most incompetent of architects may tomorrow be admitted to membership in the association and the next day be the sole architect of the completion of the building.

Association Names Architects

"He may indeed be the very architect who would have made the lowest bid if bids had been taken (excluding from consideration the words 'reliable' and 'responsible') and the very person, therefore, to prevent whose competition it was determined that bids should not be had and the rule invoked which is above set forth. It seems to us too plain for argument that the city has signally failed to exercise wise and unhampered discretion in seeking such services for the qualities of reputation and personal and professional trustworthiness may disappear, and not through failure in that regard on the part of the gentlemen with whom the city originally contracted but through the absence of such qualities in those of whom the membership of the association may at a given time be composed.

"We are not unmindful, in this respect, that the contract provides that the personnel of the association's directors, officers, advisory architect, and chairman of the principal committees shall not be changed without the consent of the mayor, but there is nowhere to be found any provision that those men are to perform the contract or have anything to do with it, or is there anything to prevent the resignation of any of them. The vice of the contract is that instead of the city naming the architects who shall design and construct its buildings it has agreed that the association shall name them.

Association As An Architect

"We turn now to the question of the right of the association to engage in the practice of architecture at all. The provisions of the statutes (Sections 4679-4695) governing architects are not free from ambiguity. It is argued that because, in section 4692, it is provided that 'Any person, firm or corporation engaged in the planning or supervision of the erection * * * of buildings for others * * * shall be regarded as an architect * * * and that because, in Section 4691, as amended, it is provided that a fine shall be imposed upon any person, firm or corporation practicing architecture without a license, that the Legislature has given its approval to the practice of architecture by corporations. But we are not of opinion that any such result necessarily follows, for other sections, relating to qualifications and examinations, necessarily exclude such a notion.

"We do not wish to be thought to say that the Legislature may not permit the granting of licenses to corporations, but to say that we are of opinion it has not done so. But counsel for defendants say that in the first place all the members of the as-

incorporation are licensed and that in the second place the association is really a partnership. The answer to the latter assertion is that the association is a corporation by the voluntary choice of its organizers. The answer to the first assertion is to be found in our decision in People vs. Painless Parker Dentist, 85 Colo. 304, 275 Pac. 928, where at page 313, Justice Campbell said:

Association Unlicensed

"It is however, altogether clear that the inhibition of the statute against the practice of dentistry in this State is applicable not only to natural persons, but it applies as well to an artificial person or a corporation, because in the very nature of things, the corporation cannot meet the conditions upon which the right to license depends, and no one, whether an ordinary person or an artificial being is entitled to practice unless, among other requirements, he first secures a license from our State Board of Dental Examiners.

"The many other arguments and suggestions or defendant's counsel need not be considered. It would be a strange result to reach for a court to hold that because a private corporation cannot pass an examination and furnish a good moral character therefore it is not within the inhibition of the statute and may freely and without restriction engage in the practice of dentistry in this State without a license, whereas a citizen of this State, a human being, may not possess or acquire the right to practice dentistry in this State unless he first procures a license therefor. The statute is broad enough to include both a human being or an artificial being, a private corporation."

"We hold, therefore, that the association actually unlicensed, is as the law now is, incapable of becoming a licensed architect, and was incompetent to contract to furnish architectural services.

For the foregoing reasons the judgment is reversed and the case remanded with instructions to proceed in harmony with the views here expressed."

ROAD SURFACING IN 1930 REPORTED

A total of 35,883 miles of county and township roads were surfaced during 1930 according to the Bureau of Public Roads of the U. S. Department of Agriculture. At the end of the year the total mileage of county and local roads surfaced was 467,338.

The total surfaced mileage is composed of the following types: Sand-clay, 71,907 miles; surface treated and plain gravel, 310,308; surface treated and plain waterbound macadam, 43,527; bituminous penetration macadam, 19,053; bituminous concrete and sheet asphalt, 6019; Portland cement concrete, 14,656; and brick and other block types, 1852.

Counties and other local authorities outside of cities expended a total of approximately \$700,000,000 for road purposes divided as follows: Construction \$297,000,000, maintenance \$284,000,000, miscellaneous \$37,000,000 and interest on bonds \$82,000,000. The local authorities also expended \$113,000,000 for bond retirements and transferred \$30,000,000 to the States for State road work.

Comparison of these figures with similar figures for 1929 shows that there was an increase of 6000 miles in the rate of surfacing roads, and that local road expenditures increased by \$55,000,000.

These figures do not include work done on State highway systems.

THE OBSERVER

What He Hears and Sees on His Rounds

Municipal ownership has scored another victory. This was revealed in the decision of the appellate court approving acquisition by the City of Santa Cruz of its own water system and power plant.

Following an unusual method in such instances, the city contracted with the Fairbanks, Morse Company to build the plant, taking payment for the work out of the earnings of the system.

In this manner the city was not forced to issue bonds nor to add to its bonded indebtedness.

Suit was filed against the city by citizens who charged that city officials had no right to sponsor such a project without submitting it to a vote of the people.

The appellate court decision held that the city was within its rights and upheld the contract. Officials of the firm revealed that the plant had been completed two years ago and had paid \$94,000 on the purchase price out of its earnings.

Construction operations on the Hoover dam project are five to six months ahead of schedule and are progressing nicely, a report from Acting Chief Engineer S. O. Harper of the Bureau of Reclamation at Washington, discloses. About 2000 men are now employed by the various contractors and the government. Lowering temperatures have resulted in increased efficiency of labor and with improvement of living conditions there is less dissatisfaction among workers, which is reflected in a decrease labor turnover.

During these depressed times when construction costs are low, Hemstreet and Bell, Marysville, are flying high.

Before preparing bids on a highway project the contractors look over the job from the air. In other words, preliminary estimates are made in "high" and final figures are prepared in "low" (altitudes).

Many engineers think that contractors are "up in the air" most all the time.

However, the Marysville contractors recently purchased an airplane which permits closer supervision of scattered jobs and gives directing heads more time for active and constructive work—all of which goes to make increased efficiency.

Hemstreet and Bell—Highway Contractors.

Hemstreet and Bell — Contracting the air—
Why not?

The formation of the new Construction League of the United States recently at Washington causes many of the now existing national organizations to wonder just how far the industry as a whole will welcome the new-comer. Many think that there are now too many organizations, necessarily causing a duplication of effort along the same lines in the interest of the industry. Many also are fearful that in promoting a new association, they consequently will be called upon to contribute to its proper functioning or to pay out more funds from their rapidly depleting treasuries. However, if all can co-operate and work for the cause without any material additional expense and without any infringement

upon the established policies of existing organizations, the newly formed group may get somewhere in helping to tie in all the many ends, obtaining for the industry and the country a thorough understanding of all units with an early adoption of sane and sound practices in the construction field, which to many appears essential for the welfare of all concerned.

Describing the Boulder Dam project as a "\$700,000,000 outrage project" representatives of many trades and crafts appeared before the resolutions committee of the American Federation of Labor convention at Vancouver, B. C., last Thursday and demanded a congressional investigation.

The committee, after hearing reports of allegedly "inhuman" sanitary conditions at the project, decided to await a copy of the contract of Six Companies, Inc., before taking any action. Delegates argued that Congress should be asked to withhold funds at the time of the next appropriation, unless the Six Companies came to terms.

J. T. Thorpe, San Francisco, said the Six Companies paid low wages, that the men worked in "fearful heat, paying \$1 to \$1.50 for meals and 15 cents for insurance," and that the "commissary pays Six Companies for the concession."

Attorney-General U. S. Webb rules that school trustees can not legally insure school property with mutual fire insurance companies. The opinion was asked by the Anny School District at Sebastopol. Webb based his opinion on a statute which forbids lending of credit by political subdivisions. Hundreds of school districts and insurance companies will be affected by the ruling, Webb said.

A step toward final determination of the legality of the Illinois prevailing wage rate law in effect July 1 was taken last week when a circuit court judge in Sangamon County declared the law unconstitutional. Two suits filed Aug. 2 attacked the law as a whole and called for an injunction on a specific piece of work. One charged that the law prevented freedom of contract between labor and contractor as well as prevented the state from accepting lowest bids. The other suit was filed by the attorney general of the state on behalf of the highway officials and attacked a section which limited the contractor in the choice of an appeal board.

In accordance with the custom the attorney general has told the highway officials to continue awarding contracts as though the law were legal until such time as the supreme court of the state can render a decision. It is planned to appeal at once and obtain a hearing at the October term of the supreme court in the hope that a decision may be obtained next winter before the spring bids are called for.

So much delay had been caused by the lay that on none of the contracts recently let, totaling \$4,500,000, will any large volume of work beyond grading be done this season. Proposals received Sept. 15, amounting to \$3,000,000 are now under consideration.

HERE—THERE EVERYWHERE

Clark Gramling, 50, general contractor of Bakersfield, committed suicide in that city last Wednesday night by hanging himself from the rafters of his garage, according to the police. Poor health and financial difficulties prompted his act, the police report.

Andrew J. Wiley, internationally known engineer and one of the consultants for the Boulder Dam Project, died in Monrovia, Calif., yesterday. Death was caused by a cerebral hemorrhage.

Manuel F. Brass, San Francisco contractor, has filed a voluntary petition in bankruptcy in the Federal Court, settling his debts as \$172,358 and assets at \$6920. Florence Brass filed a similar petition with debts of \$64,174.

Wm. F. B. Gregory, found operating as a contractor in the East Bay District without a state license, was found guilty and fined \$25. Melville C. Levey, East Bay district inspector for the State Department of Professional and Vocational Standards, filed charges against Gregory.

A recent canvas of the attitude respecting a five-day week for workers in the building industry indicates that in most large cities, excepting Chicago, the short week is almost universal.

September building permits received from the 80 leading cities of the Pacific Coast show a sharp decrease from both the previous month and the corresponding month last year. Permits reported by the 25 leading cities during September totaled \$9,383,261 compared with \$10,281,257 in August and \$20,549,663 in September of last year.

OIL TRADES GROUP RUNNING 11% AHEAD OF GENERAL AVERAGE

Manufacturers of oil and gasoline handling and control equipment, representing an annual volume of about \$20,000,000, averaged approximately 11 per cent better than the general business average during the first four months of the current year, according to figures announced by the American Oil Trades Equipment Association. With 100 per cent as the index figure for normal business, general conditions were 77 per cent of normal and the oil trades equipment industry was 85 per cent of normal.

Sales volume in the oil trades equipment industry was reported at 18.8 per cent lower than for the corresponding period of 1930 and 6.6 per cent lower than for the same period in 1929, indicating that the early part of 1931, despite the general depression showed a better sales volume than 1929, for the most part a boom year.

Falling off in new construction, particularly industrial and commercial building, was believed largely responsible for the decline of 15 per cent below normal. The fact that the decline is not greater, the Association believes, is due to activity in the home construction field.

The survey reveals that the sales volume for the entire year of 1931 is expected to be but 11.8 per cent below that of 1930.

SAN JOAQUIN COUNTY ADOPTS TRADES COUNCIL WAGE SCALE

The wage scale recommended by the Building Trades Council has been officially accepted by the San Joaquin County Board of Supervisors.

The wage scale was adopted on motion of Supervisor Mary French, seconded by Supervisor Ed. H. Livingston. Previous to its adoption Attorney Warren H. Atherton, representing the Building Trades Council, asked an immediate decision on the wage question, as considerable school work was being held up, he said, pending its adoption.

The supervisors, in adopting the Building Trades' recommendation, declared that inasmuch as the Builders' Exchange had not submitted any testimony with its recommendations, they thought it reasonable to adopt the labor unions' scale.

Following is the scale adopted:

Asbestos workers	\$ 8.00
Bricklayers	12.00
Bricklayers' hod carriers	7.00
Carpenters	9.00
Carpet, linoleum workers	9.00
Cement finishers	9.00
Electrical workers	9.00
Elevator constructors	10.40
Elevator constructors' helpers	7.20
Engineers, hoisting, portable, quarries, tractors over 50 hp	9.00
Engineers, rollers, mixers, asphalt plants, stone derricks	10.00
Engineers, bridge and structural	11.00
Engineers, pile drivers, derrick barges, cableways	10.00
Engineers' firemen and apprentices	7.00

Glass workers	9.00
Granite setters	12.00
Granite cutters	9.50
Hardwood floormen	9.00
House movers	8.00
Housesmiths, architectural iron	9.00
Housesmiths, reinforced concrete	9.00
Iron Workers, bridge and structural	11.00
Laborers, building and common	5.00
Laborers, cement	6.00
Lathers	10.00
Marble workers	10.00
Marble workers' helpers	6.00
Millmen, planing mill department	8.00
Millmen, sash and door	8.00
Millwrights	9.00
Model casters	12.00
Model makers	12.00
Model sculptors	14.00
Mosaic and terrazzo workers	9.00
Mosaic and terrazzo workers' helpers	6.00
Painters	9.00
Pile drivers, wharf builders	9.00
Plasterers	12.00
Plasterers' hod carriers	9.00

Plumbers	9.50
Roofers	9.00
Sheet metal workers	9.50
Shovel operators	10.00
Shovel operators, underground	11.00
Shovel cranemen	8.50
Shovel cranemen, underground	7.00
Shovel firemen and watchmen	7.00
Shovel oilers	6.00
Sprinkler fitters	11.00
Steam fitters	10.00
Stone setters	12.00
Stone cutters	9.00
Stone derrickmen	9.00
Tile setters	10.00
Tile setters' helpers	6.00

Legal holidays, including Sundays and Saturdays where crafts work a five-day work week and other overtime to be paid for at the rate of double time.

The following was adopted as the scale for road and bridge work:

Grading

Tractor drivers, 30 horse-power, \$5; tractor drivers, 60 horse-power,

\$6; tractor drivers, 80 horse-power, \$6.

Common labor (all classes), \$4.

Form carpenters, \$7.
Truck drivers (small), \$5; truck drivers (medium), \$5.50; truck drivers (large), \$6.

Power shovel operators, \$10; crane-men, \$10; firemen (helper to above), \$6.

Oilers, \$5.50; gradersmen, \$6; compressor operator, \$6; blacksmith, \$7; blacksmith (helper), \$5.

Subgrade finisher operators, \$6; roller operators, \$8; teamsters (Fresno) \$4.50.

Grade foreman, \$8; gang foreman, \$7.50.

Feedermen, \$6; pitmen, \$5; feeder, \$5; jackhammer men, \$5; dumpmen (tractor), \$5; oil spreader operator and retort, \$5.50.

Paving

Asphalt plant engineer, \$9; asphalt plant mixer and laborer, \$6; asphalt plant dryermen, \$7; asphalt plant rakers and spreaders, \$6; asphalt plant operator, \$6.

Concrete mixer operators, \$8; concrete plant shovelers and workers, \$5; concrete plant finishers, pavement, \$7. Mechanical operators, \$6; header board labor, \$5; gang foreman, \$8.

Bridges and Subways

Form carpenters, \$7; concrete structure helpers, \$5; concrete workers, \$5.

Bridges and Subways

Cement finishers, \$7; engineers, pile drivers, \$8.50; engineers, drag lines, \$8.50; structural steel workers, \$10; pile driver men, \$9; painters, \$9.

Miscellaneous

Pavement breaking, \$5; laying asphalt blocks, \$6; laying paving blocks, \$6.50; mechanic, "trouble shooter," \$7; watchmen, \$4; engineers, portable and hoisting, \$8.

Mortgages now held by life insurance companies to the amount of 7 billion dollars play a large part in the financing of city and farm real estate which will be described by S. F. Westbrook, vice president of the Aetna Life Insurance Company, at the 18th Annual Convention of the Mortgage Bankers' Association of America to be held in Dallas, Texas, October 27 to 29.

Speaking on the subject "Administration of Mortgage Loans and Lands from the Home Office Standpoint," Mr. Westbrook will recount the experiences with this form of life company investment, the total of which has been doubled in the last seven years and is five times the amount held twenty years ago.

Of the total now invested nearly two billions are in farm mortgages and over five billions in "other mortgages" which include single family and duplex dwellings, a part of buildings, commercial and office buildings and, in a lesser number of cases, special purpose structures.

"The Future of Mortgage Banking" is the theme of the Convention which will include addresses and discussions having to do with business practices and economic and legislative affairs affecting borrowers, investors, banks and mortgage loan companies. General sessions will be held on each morning of the three days and group meetings will be held each afternoon to deal with special topics. Between 4 and 5 hundred delegates are expected from the 40 states in which the Association has members.

PREVAILING WAGE LAW DOES NOT AFFECT CHARTER CITY SAYS ATTY.

Acting upon an opinion given to the Los Angeles harbor department by the city attorney that the new prevailing wage law of California does not apply to chartered cities, the board of public works has decided to ignore the law in awarding contracts for cash jobs. An advertisement for bids for an ornamental lighting system on an section of Los Feliz Blvd., just issued by the board, does not include a prevailing wage scale as required by the new law.

In the opinion prepared by the city attorney's office in response to an inquiry from the harbor department the following provision of the law is cited:

"Construction work done for irrigation, utility, reclamation, improvement and other districts or other public agency or agencies, and other improvement work done under the direction and supervision or by the authority of any public officer or public body of the state, or any political subdivision, district or municipality thereof, whether such political subdivision, district or municipality thereof operates under a freeholder's charter heretofore or hereafter approved or not, also any construction or repair work done under contract, and that for in whole or part out of public funds. * * shall be held to be 'public works' within the meaning of this act."

"It is plain, therefore," says the city attorney's opinion, "that the act seeks to include municipalities such as the City of Los Angeles, which operate under a freeholders' charter pursuant to Article XI, Sec. 6, of the Constitution of the State of California, as amended in 1896, and as again amended in 1914. We are, therefore, confronted with the question as to whether the legislature has the power under the Constitution and under the decisions of our courts to include within the operation of such legislation municipalities operating under a freeholders' charter as above noted."

"An examination of the Constitution as originally enacted, together with the amendments of 1896 and 1914, and the cases construing it, leads to but one conclusion, viz: That if the subject matter of the bill is a 'municipal affair' the legislature has no power to

include within the operation thereof municipalities operating under a freeholders' charter such as the City of Los Angeles.

"Since the 1914 amendment of the Constitution the law is firmly established, that the powers of cities are not derived from the legislature but from a freeholders' charter directly provided for by the Constitution. The city in its charter may make and enforce all laws and regulations in respect to municipal affairs subject only to the restrictions and limitations provided for in their several charters. The result is that the city has become independent of general laws upon municipal affairs."

"The plain law of this state is that unless we can find a provision in the charter of the city of Los Angeles prohibiting the letting of contracts on terms and conditions other than as provided in Senate Bill No. 26 (the prevailing wage law), that said bill does not apply to the contracts which may be let by the harbor department of the City of Los Angeles, unless it can be said that such contracts are not 'municipal affairs.' There is no such prohibition in the charter."

"We come, therefore, to a consideration of the question: 'Are the public works and improvements being constructed by the harbor department municipal affairs?'"

"While courts of our state, as well as of other states, have consistently refused to place an exact and limited definition upon the term 'municipal affairs,' nevertheless the decisions in analogous cases prohibit one from arriving at any conclusion other than that the character of the work that the harbor department is contracting for are municipal affairs."

"It is, therefore, my opinion that the determination of the amount of wages or recompense which the harbor department shall pay for the construction and erection of its public works, such as piers, moles, sheds, dredging, paving and other similar work, is strictly an internal and municipal affair and that the provisions of Senate Bill No. 26 need not be complied with by the harbor department when letting contracts."

from the present class as time provides a perspective. Their evaluation will furnish the basis for long time planning which should operate against recurrence.

"But this long time planning, valuable as it would be, cannot be done now. The problem is too vast, the factors too many, and their interrelations too complicated to be grasped and ordered by the human mind. So, in place of the co-ordinated effort, working to a clearly pictured common end, and along clearly mapped lines, which would bring the outcome of a master plan, but which we cannot have, we must use what we have."

"What have we? We have millions of men and women, each one of whom comprehends clearly some small part of the whole. If each of them spends each day in doing his individual best toward moving those things that he understands in the direction he knows to be right, there is no fear of the outcome. There may be a wastage which would be absent in the master plan, but the whole will move forward and will more forward surely and before a master plan, however imperfect, could be evolved."

"This is old and simple doctrine. Anyone can think it, and unfortunately it carries none of the exaltation that comes from the spectacular. But it is sound doctrine, and in the measure in which it is practiced will be found the rate at which we will progress."

"Human progress is not the result of the effort of the outstanding few, be they statesmen, industrialists, scientists, engineers, or inventors. It is the cumulative effect of the daily effort of the millions. The leaders but guide or accelerate it. The summation of the thousands of millions of small things is greater than the greatest large thing that the human mind can grasp. The combined effort of millions of average human beings will outweigh the most daring conception of the greatest vision the world has even known."

"And these millions will put forth that effort, not as a result of ordered consideration, nor even by reason of instinctive realization, and least of all from any altruistic motive, but purely and wholly from self-interest. The efficiency of the progress will lie in the degree in which the self-interest is intelligent—the hope of efficiency in the fact that there is growing comprehension that self-interest must be intelligent."

"The average manufacturer perceives today that his interest and that of his workmen is a common one. He does not prosper if they do not. This has long been the conviction of the few, but it required the current condition to bring home this realization of the many. And again will be demonstrated the workings of this simple doctrine of mass effect. Eighteen months have increased the quantity of understanding more than the preceding eighteen years."

"Further, there has been made manifest the need for balance in the economic forces which make up our involved civilization. A force is constructive or destructive in the degree that it is or is not controlled."

"Production, whether of foodstuffs, of raw materials, or of finished goods, is constructive if balanced against consumption. It is destructive if unbalanced and guided only by unintelligent and immediate self-interest. Surely the past months have brought realization of this simple fact to the many. And from this realization they will surely follow provision for assuring that balance."

DEPRESSION UNITING ALL CLASSES SAYS N.E.M.A. CHIEF

Depression is uniting the economic thought of all classes, and out of adversity an era of unparalleled prosperity will arise, Arthur W. Berresford, managing director of the National Electrical Manufacturers Association, declares in a symposium on "Engineering Progress." Progress, he asserts, is the way out.

"The means are not yet clear, and a period of trial and error is to be expected before an approximate solution of our problems is found," says Mr. Berresford, who is a past president of the American Engineering Council. "But the mere fact that stabilization of employment is economically dependent on controlled production, and consumption dependent on stabilized employment, will unite all elements in a common demand for that solution."

"Common action would not have been possible five years ago, but the thinking forced on the many in the past two years has brought an un-

derstanding of fundamentals which makes it not merely possible, but certain, and in the near future."

"Present conditions are difficult to contemplate with mental serenity and undisturbed confidence, but they carry more of ultimate value than the prosperous years that preceded them. The growth upon the understanding of the many will form the foundation for a new and greater progress, for a civilization such as the world has not yet known."

"In this progress the engineer and the engineering method of basing procedure on determined fact will have a major part. The saying that through adversity we progress will again demonstrate its truth."

The current depression, Mr. Berresford points out, cannot be ascribed to any single cause, nor, in his opinion, will a panacea be found in righting any single wrong.

"Moreover," he adds, "there is little of value at the moment in attempting to isolate and correct the major causes. They will gradually emerge

TRAINOR ADDRESSES CONSTRUCTION GROUP

Lee S. Trainor, chief engineer of the construction division of the National Lime Association with headquarters in Washington, D. C., addressed a luncheon-meeting of architects, engineers, building material manufacturers and dealers, yesterday at the St. Francis Hotel.

The luncheon was held under the auspices of the National Lime Association. John B. Leonard, superintendent of the Bureau of Building Inspection, presided. Mr. Leonard was introduced by Ralph Mitchell of the Henry Cowell Lime and Cement Company.

Mr. Trainor was accompanied to the Pacific Coast by Mr. H. A. Hushcke, chief of the Agricultural Division of the National Lime Association, in the interests of improving agricultural conditions.

"Masonry of enduring quality is a function of the units employed and the mortar used in building the mass together", Mr. Trainor explained in his talk. "Recent research, as well as observations made on existing structures, show that the character and quality of the mortar used is of prime importance in producing durable, water-tight masonry with maximum freedom from efflorescence."

Reports covering recently completed research and scientific studies as released by recognized authorities during the past few months Mr. Trainor pointed out, show that:

(1) When the interior walls of brick buildings become wet during a rain, it is likely that water has entered through open spaces between brick and mortar, rather than directly through these solid materials. Such openings may be produced either by poor workmanship or by shrinkage of mortar. If there are no openings of this sort, the probability of penetration by water through solid 8-inch brick walls is exceedingly remote, under normal climatic conditions.

(2) Strength of mortar is of no great importance in so far as the durability of the bond in the units is concerned.

(3) A strong bond (between units and mortar in masonry) is not of necessity a durable one.

(4) The critical spot in unit masonry, when viewed from the angle of durability and water-tightness, is at the junction between units and mortar.

(5) Differential volume changes between brick and mortar caused by variations in moisture content are apt to be greater than those produced by normal temperature variations.

(6) From the standpoint of volume subsequent to hardening, there is less differential volume change if the mortar consists solely of lime and sand.

(7) The volume changes subsequent to hardening were less in mortar made from 2 volumes of lime to 1 volume of portland cement to 9 volumes of mortar than in mortars made from 1 volume of portland cement to 3 volumes sand, using the same cement and sand in both mortars.

(8) From the standpoint of volume changes, there is no distinct advantage in a mortar made from 1 volume of lime to 1 volume of portland cement and 6 volumes of sand.

(9) The shrinkage of mortars occurring during hardening are less destructive in masonry than subsequent volume changes, even though the latter are much smaller in magnitude than the former.

(10) The presence of calcium sulfate in he mortars resulted in diminishing to some extent the rate of expansion and shrinkage occurring subsequent to hardening. It did not diminish

the magnitude of volume changes occurring either during or subsequent to hardening.

PROPERTY OWNERS AIDED BY NEW LAW

Many improvements have been affected and obscure portions of existing laws affecting real estate transactions and their applications by lawyers, owners and the general public have been clarified in the opinion of T. W. Haymond, vice-president and general counsel of the Security Title Insurance and Guarantee Co. of Los Angeles, in commenting upon new laws passed by the last state legislature.

Thousands of pieces of California real estate will be beneficially affected, Judge Haymond declared, by an act that provides that every tax lien shall cease to exist after 30 years from the time the tax became a lien. Due to the failure of county officers to show payment of tax liens upon the official records, title to many pieces of property has remained clouded for years. The new statute act will remedy this evil.

An emergency measure also was passed enabling an owner to postpone for one year the sale of property for delinquent or unpaid taxes. A comprehensive act of general public interest limits the amount of special assessments which may be legally levied upon land.

Persons dealing with promissory notes on deeds of trust will find new protection by the recording of assignments of beneficial interests and the recorded acknowledgement of the assignor.

UNFILLED STEEL ORDERS IN DECREASE

Unfilled orders of the United States Steel Corporation showed a decrease of 3,144,333 tons as of September 30. In August a decrease of 235,350 tons was reported. The decrease was substantially smaller than had been expected in Wall Street.

The backlog as of August 31 was 3,169,457 tons. On July 31 unfilled orders amounted to 3,404,816 tons against 3,479,323 tons on June 30. On September 30, 1930, unfilled orders amounted to 3,424,388 tons.

Financial circles had expected a moderate decrease in the steel backlog. It had been pointed out that although production had been kept at low point throughout September, incoming business was small and did not equal shipments.

DEL NORTE COUNTY ADOPTS WAGE SCALE

The Del Norte County supervisors have adopted the following wage scale to apply on road construction undertaken by that body:

Small shovel operators.....	\$ 6.00
Scarifier and grader operators.....	5.00
Caterpillar operators.....	5.00
Powder men.....	5.00
Bridge carpenters.....	6.00
Team and driver.....	8.00
Foreman.....	5.00
Common labor, per day.....	4.00
Trucks and driver, 1½-ton.....	12.00
Trucks of 1½-ton rating at per ton or fraction thereof.....	4.00

Eight hours shall constitute a day's labor. Overtime with Sunday or a holiday, labor shall be time and a half.

Four of July, Labor Day, Thanksgiving Day, Christmas Day, New Years Day, Memorial Day and Admission Day shall be the holidays that will be observed.

REARDON IN LINE FOR LABOR POSITION

Timothy A. Reardon, president of the San Francisco Board of Public Works and state highway commissioner, may be named by Governor Rolph as state labor commissioner to succeed the late J. W. Mullen. The position pays \$5000 a year.

Reardon also is being considered for director of the public works department of San Francisco under the new charter. It is understood Rolph will hold open the labor commissionship until after the San Francisco election to protect Reardon.

ROADS TO ASSIST CANADIAN UNEMPLOYED

The governments of the Dominion of Canada and the various provinces are devoting much attention to measures for the relief of unemployment, the situation being considerably more serious than last year. The number of unemployed registered in Ontario is about 120,000, and the total for the dominion is estimated at 350,000. Seven of the provinces have applied for aid from the dominion government, and negotiations are in progress to fix the conditions under which it will be granted.

A tentative arrangement provides that the dominion is to pay a maximum of 50 per cent of the cost of roadbuilding, and further consideration will be given as regards the construction of public buildings and other works in municipalities. While the provincial governments will decide upon the rate of wages to be paid, the dominion requires that a maximum 8-hour day be observed, in order to distribute employment as widely as possible.

Unemployment Body Held O. K. by Webb

The legislative act creating Governor Rolph's emergency unemployment commission is held to be constitutional by Attorney General U. S. Webb.

Included in the act were two provisions, one creating the commission of five members, and the other making an appropriation of \$50,000 for the commission's expenses.

The measure was passed as an urgency act at the request of the governor, and its validity was questioned by State Controller Ray L. Riley in view of a constitutional clause which prohibits the creation of state offices by an emergency act.

While the attorney general agrees with the point raised by Riley, he holds that the constitutionality of the act is not disturbed, but merely the law would not become effective until ninety-one days after the adjournment of the legislature instead of the moment it was signed by the governor.

GRADE CROSSING SURVEY WINS OKEH

Attorney General U. S. Webb has notified the state railroad commission and the state department of public works to carry out an assembly resolution for a complete study and report of the grade crossing situation in California.

C. H. Purcell, state highway engineer, had asked the attorney general if the resolution was legal.

Webb replied that it did not have the force of a law but that its direction should be obeyed and that funds to carry it out can be obtained from the state treasury.

Building News Section

APARTMENTS

Contract Awarded
APARTMENTS Cost, \$25,000
SAN FRANCISCO. Brooklyn Place S Sacramento St.
 Four-story and basement reinforced concrete and wood frame apartments (11 2- and 3-room apts.; steam heat, composition roof, tile baths, hardwood floors).
Owner—Long Tong Tien Wee Association.
Architect—F. W. Dakin, 625 Market Street.
Contractor—F. R. Slegrist Co., 604 Mission St.

Sub Bids Wanted
APARTMENTS Cost, \$60,000
SAN FRANCISCO. NE Bay and Webster Streets.
 Three-story and basement frame and stucco apartments (18 rooms; steam heating system, oil burner, tile and composition roof, oak floors, canvas walls, plaster exterior, electric refrigeration).
Owner and Builder—Grace Perego, 176 Sutter Street.
Architect—H. C. Baumann, 251 Kearny Street.
Stoves—General Sales Co. 718 Mission Street.
 Sub bids are wanted on hardwood floors, electric fixtures, shades, carpets and linoleum.
 Other awards prev. reported.

Sub Bids Wanted
APARTMENTS Cost, \$35,000
SAN FRANCISCO. NW Pierce and Capra Streets.
 Three-story and basement frame and stucco apartment building (9 4-room apts.) (tar and gravel roof, steam heating system, electric refrigeration, colored tile baths and kitchens, hardwood floors, etc.)
Owner and Builder—A. T. Morris & Sons, 3500 Fulton St., San Francisco.
Plans by Owner.
 Sub bids are wanted on electric wiring, plumbing, heating, plastering, tile work, and hardwood floors.

Contract Awarded
REMODEL Apartment Cost, \$7,000
SAN FRANCISCO. 945 Green Street
 Remodel interior of Apartment.
Owner—R. W. Hanna
Architect—W. W. Wurster, 260 California Street.
Contractor—Moore and Madsen, 557 Market Street.

BONDS

CLAREMONT, Los Angeles Co., Cal.—Architects Marsh, Smith & Powell, 515 Architects Bldg., Los Angeles, have prepared preliminary plans for proposed school building program at Claremont for the Claremont High School and Elementary School District. A date for voting bonds in the amount of \$198,000 is to be set soon. Included in the proposed work is a new elementary school building, new science wing, new library and study hall wing, arcades, boys' shower and locker room, tennis courts, new equipment, etc.

SANTA BARBARA, Cal.—Cold Springs School District will hold an

election on October 23 at which it is proposed to vote bonds in the sum of \$8000 for school improvements. John Scott, Carl Stoddard and Wm. Strubling are trustees of the district.

To Vote Bonds to Finance.
SCHOOL Cost, \$20,000
NAPA, Napa Co., Cal.
 Modern school building.
Owner—Mt. George Union Elementary School District.
Architect—Not yet selected.
 The election to vote bonds will be held late this month or early in December. An option on a 4-acre site for the proposed building has already been secured.

CHURCHES

Contract Awarded
REMODEL CHURCH Cost, \$7,300
SAN FRANCISCO, Cal., Mission St., near Third.
 Alterations to church (restoration of tower, new stone turrets on corners of tower, filling of old belfry opening with stone tracery and adding an additional 10 feet at height of tower).
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St.
Architect—Arnold Constable, 530 Market St.
Contractor—Larsen & Larsen, 629 Bryant Street.

Sub Contracts Awarded
CHURCH Cost, \$23,000
WALNUT GROVE, Sacramento Co.
 Two-story frame and brick veneer church (to seat 300; tile roof, hot air heating system) (90x40 ft.)
Owner—St. Anthony's Parish, Walnut Grove (Rev. Father James Healey, Pastor).
Architect —Harry J. Devine, California State Life Bldg., Sacramento.
Brick Work—W. J. Clifford, 2815 S. St. Sacramento.
Plastering—Thos. F. Scollan Co., 2919 T St., Sacramento.
Roofing—Bush Roofing Co., 1912 K St. Sacramento.
Heating & Sheet Metal—W. J. Dunphy, 3136 Folsom Blvd. Sacramento

Plans To Be Prepared
CHURCH Cost, \$—

SKILSAW Portable Electric Hand Saws (4 models).

SKILSAW Portable Electric Sander

SKILSAW Radial Arm Attachments.

SYNTRON Portable Electric Hammer (4 models, motorless).

MALL Flexible Shaft Machines (50 models).

Electric Drills, Grinders, Buffers, Routers, Lock Mortisers.

PETER H. NELSON

Labor Saving Portable Electric Tools.

1248 Mission St. Underhill

San Francisco 7662

SALES . SERVICE . RENTALS

PITTSBURG, Contra Costa Co., Calif
 Site not selected.

Church.
Owner—Methodist Episcopal Church—(Rev. Chas. O. Johnson, Pastor, Berkeley, 1014 Merced St.)
Architect—Not Selected.

Commissioned to Prepare Plans
MISSION Cost, \$—
SANTA CRUZ, Santa Cruz Co., Calif.
 Bounded by Emmet, School and High Sts.
 Miniature replica of the old Mission (type of work not determined).
Owner—Roman Catholic Church of the Diocese of Monterey and Fresno.
Architect—Swartz & Ryland, Spazier Bldg., Monterey.
 Rev. Father F. J. McGrath, Santa Cruz will have charge of work. More definite information will be given in about one week.

FACTORIES AND WARE-HOUSES

Contract Awarded
LAUNDRY, Etc.
OAKLAND, Ala. Co. Calif. N. E. 56th and Shattuck Aves.
 One Story brick laundry and residence.
Owner—Bank of America;
Architect—Private Plans.
Contractor—Gaubert Bros, 4735 Brookdale Ave. Oakland.

Plans Being Figured.
ADDITION Cost, \$70,000
SANTA PAULA, Ventura Co., Cal.
 One-story and basement reinforced concrete packing house addition, (steel rolling doors, steel sash, steam heat).
Owner—Limoneira Co., 117 N-Tenth St., Santa Paula.
Architect—Roy C. Wilson, 112 S. Mills St., Santa Paula.

Contract Awarded
CREAMERY Cost, 12,000
YREKA, Siskiyou County, Cal. Siskiyou Highway.
 Creamery Plant
Owner —Fort Jones Creamery and Meat Co., Yreka, Calif., (O. G. Wayne, president and manager)
Architect—Private plans.
Contractor—C. M. Potter, Yreka, Cal.
 New Equipment will be installed.

To Ask Bids In One Week
WAREHOUSE-GARAGE Cost, \$13,000
COLUSA, Colusa Co., Cal. Second and Main Streets.
 One-story corrugated metal, wood and frame garage and warehouse.
Owner—Pacific Gas & Electric Co., 245 Market St., San Francisco.
Plans by Eng. Dept. of Owner.

Bids Opened
ROOFING Cost, \$—
STOCKTON, San Joaquin Co., Cal.
 County Fair Grounds.
 Roof covering for livestock building and hog barn.
Owner—County of San Joaquin, Eugene Grabare County Clerk.
Architect—Not Given.
Low Bidder: Stockton Roofing Co., 735 N. Hunter St., Stockton, \$843.
 Only other bid submitted by San Joaquin Lumber Co. Stockton at \$963 with an alternate bid of \$1,277.
 Bids held under advisement.

To Ask Bids Within One Week.

FACTORY & STORE \$20,000
OAKLAND, Alameda Co., Calif. Lake-shore Avenue.

Two-story brick factory and store (tile floors, steel sash, soda fountain, kitchen, equipment, etc.)
 Owner—Edw. Candy Co., 3315 Grand Ave., Oakland.

Architect—Miller & Warnecke, Financial Center Bldg., Oakland.

There will be considerable machinery and equipment which will bring the cost to approximately \$75,000.

GARAGES AND SERVICE STATIONS

Preparing Working Drawings.

GARAGE Cost, \$30,000
WEST OAKLAND, Alameda Co., Cal.
 It and Gough Streets.

One-story Class C tile and brick garage and 1-story frame and stucco office (tar and gravel roof).

Owner—Merchants' Express & Draying Co., (Mr. Scott in charge), 1640 18th St., Oakland.

Architect—George Ellinger, 1723 Webster St., Oakland.

Bids will be asked for in about ten days.

Plans Being Prepared.

SERVICE STATION Cost, \$8,000
STOCKTON, San Joaquin Co., Calif.
 141-153 West Harding Way.

Super Service Station (steel frame construction).

Owner—General Petroleum Co., 1924 Broadway, Oakland.

Architect—Eng. Dept. of Owner.

Bids will be called for shortly.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—Bids are being received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish materials and equipment to Pacific Coast navy yards and stations. Further information on the Schedules listed is obtainable from the Navy Purchasing Office, 100 Harrison St., San Francisco.

Bids Close Oct. 27

Western yards, hair felt; sch. 6663.
 Western yards, wire, brass, copper, bronze and steel, etc.; sch. 6662.
 Mare Island, 1350 lbs. hydraulic leather; sch. 6660.

Mare Island, 850 ft. flexible steam hose and 150 ft. fuel oil hose; sch. 6664.

Western yards, cocks, faucets and valves; sch. 6665.

Puget Sound and Mare Island, 1235 lbs. asbestos packing and 225 lbs. tape gasketing; sch. 6671.

Puget Sound, 20,000 diatomaceous earth calcined bricks; sch. 6672.

Mare Island, 4000 lbs. corrugated rubber matting; sch. 6674.

Mare Island, 30,000 lbs. lignumvitae; sch. 6677.

Mare Island, 10,000 ft. white ash; sch. 6679.

San Diego, 1 electrical test bench; sch. 6683.

San Pedro, 1 typesetting machine; sch. 6701.

Mare Island, 3800 lbs. naval rolled sheet brass; sch. 6696.

San Diego, 1 standard universal indicator; sch. 6692.

Mare Island, 60,400 lbs. black medium hull plate steel; sch. 6689.

San Diego, 10 metal aircraft propeller blades, and east yards 146 do; sch. 6700.

Western yards, steam and water valves; sch. 6175.

Preliminary Plans Awaiting Approval.

ADDITION Cost, \$750,000
SAN FRANCISCO. Seventh and Mission Streets.

Four-story Class A addition to Post Office.

Owner—United States Government.

Architect—George Kelham, 316 Montgomery St., San Francisco.

Plans have been forwarded to Washington for approval.

MARE ISLAND NAVY YARD, Cal.

—Universal Construction Co., 319 Grant Ave., San Francisco, at \$1,440 awarded contract by Bureau of Yards and Docks, Navy Department, Washington, D. C., to furnish and install screens at the Submarine Base, Mare Island Navy Yard, under Specification No. 6622.

This project, previously announced as having been awarded to Fred Turner, 212 Anita Road, Burlingame, at \$1,649. Bid of the Universal company arrived by mail 24 hours after time set for opening bids but was considered by the Yards and Docks officials. Other bids, as previously reported, follow:

Fred Turner, 212 Anita Road, Burlingame, \$1,649.

Pacific Mfg. Co., Santa Clara, \$1,989.60.

Sullivan & Sullivan, Oakland, \$2,144.

Hipolito Co., 4246 Holden St., Oakland, \$2,162.

Standard Screen Co., 1844 Hastings St., Chicago, \$4,079.

SAN DIEGO, Calif.—Until 11 A. M.,

October 23, bids will be received by the Eleventh Naval District, San Diego, for furnishing galley and scullery equipment for the Naval Operating Base (Training Station), San Diego; Specification No. 6700. The work includes furnishing and installing the following galley and scullery equipment: 1 dishwashing machine with tables, 2 steam tables, 6 steam kettles, 2 hoods with ventilating equipment, 1 large and 2 small coffee urns, 4 ovens, 3 fry-top ranges, 4 sinks, 1 vegetable peeler, 1 vegetable chopper, 1 sliced vegetable storage tank, 1 mixer, 7 monel-top tables, 3 wood top tables, 2 vegetable preparation tables, 1 meat block and 1 meat rack; also piping and electrical work.

Bidding data may be obtained from the Public Works Officer, Eleventh Naval District, San Diego, upon deposit of a check or postal money order for \$10, payable to the Chief of the Bureau of Yards and Docks, Cap. DeWitt C. Webb, public works officer.

SAN FRANCISCO—Marosky & Co.,

55 New Montgomery St., at \$428 awarded contract by Purchasing Department, Fort Winfield Scott, for magnesite flooring in dining rooms and kitchen, involving approximately 3,000 square feet.

Following is complete list of bids received:

Marosky & Co. \$428

Malott & Petersen 429

Hoglund & Ekuse 510

PEARL HARBOR, T. H.—As previously reported, Kohlenberger Engineering Corp., 805 S. Spadra st., Fullerton, Calif., submitted low bid to the Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specifications No. 6572, for repairs to refrigerating plant at Pearl Harbor.

Following is a complete list of bids received:

Item 1, complete; 2, removal of equipment and filling in freezing tank.

Kohlenberger Engineering Corp., 805 S. Spadra St., Fullerton, Calif., Item 1, \$4,300.

Bonham-Young Co., Ltd., Honolulu, Item 1, \$4,975; 2 \$275.

York Ice Machinery Corp., Phila., Item 1, \$5,500; 2, \$500.

SAN DIEGO, Cal.—Until 11 A. M., October 29, bids will be received by the Eleventh Naval District, San Diego, for a refrigeration plant to be installed in the mess hall at the Naval Operating Base (Training Station), San Diego, Specification No. 6701. Plans obtainable from Public Works Officer, Eleventh Naval District, San Diego, on deposit of \$10, payable to the Chief of the Bureau of Yards and Docks.

Plans Being Figured—Bids close on November 20, 2:30 p. m.

HOSPITAL ADD. Cost, \$—
WEST LOS ANGELES, L. A. Co., Cal.

Addition to Wadsworth Hospital and connecting corridors, including walks, grading and drainage.

Owner—U. S. Government.

Architect—Plans by Construction Department, U. S. Veterans' Bureau, Arlington Bldg., Washington, D. C.

Plans are obtainable from the Bureau at Washington and from the Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, Calif.

SUMAS, Wash.—John Barketts, 2906 North Union St., Tacoma, at \$36,700 awarded contract by Supervising Architect, Treasury Department, to erect postoffice at Sumas, Wash.

SAN DIEGO, Cal.—Until October

29, 11 a. m., bids will be received by Public Works Officer, 11th Naval District, to furnish and install pumps at Destroyer Base and Training Station under Specification No. 666. Specifications obtainable from above.

SUNNYVALE, Santa Clara Co.,

Cal.—George E. Moore, 531 Stanford ave., Palo Alto, and Geo. D. Huston, 422 Arques st., Sunnyvale, are among contractors figuring the garage and water system at the Sunnyvale Dirigible Base and desire sub-bids in connection with the project. Bids for this work will be opened by the Public Works Officer, Twelfth Naval District, 100 Harrison st., San Francisco, October 21.

Site Selected
POSTOFFICE Cost, \$305,000

SAN JOSE, Santa Clara Co., Cal.

N. W. 1st & St. John Sts.

Class "A" Postoffice.

Owner—U. S. Government.

Architect—Not determined.

It is expected that a local architect will be selected to prepare plans for this structure and a definite decision as to the preparation of the plans

SUMAS, Wash.—John Barlost, 2906 the purchase of the site have been completed.

SAN FERNANDO, Cal. — Carrier

Engineering Corp., 832 Folsom st., S. F., at \$1,705 awarded contract by U. S. Veterans' Bureau, Washington, D. C., for ice cream freezer and gardening cabinet for San Fernando Veterans' Hospital.

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MARE ISLAND, Cal.—Following is a complete list of bids received under Specification No. 6623 by Bureau of Yards and Docks, Navy Department, to furnish galley equipment at Mare Island Navy Yard:

Item 1, complete; 2, alt. for monel metal for canopy and vent pipe.

S. Bickman, Inc., Weevaken, N. J., Item 1, \$5,929.55; 2, add \$202.

Dohrmann Hotel Supply Co., 972 Mission St., San Francisco, Item 1, \$5,609; 2, \$253.79.

Mangrum-Hidbrook Co., 1235 Mission St., San Francisco, Item 1, \$4,969.70; 2, \$302.

Plans Being Figured—Bids close November 18, 3 p. m.

POSTOFFICE Cost, \$—
PORT ANGELES, Wash.
Class "A" Postoffice
Owner—U. S. Government
Architect—Plans by Supervising Architect, Treasury Department, Washington, D. C.

Plans Being Figured—Bids close November 4.

SHOP BUILDING Cost, \$—
PEARL HARBOR, T. H.
UTILITY Shop Building (Specification No. 6628.)
Owner—U. S. Government.
Plans by Bureau of Yards and Docks, Navy Department, Washington, D. C.

Bids for this work will be received by the Public Works Officer at Pearl Harbor from whom plans may be obtained.

Prospective Bidders—Plans Being Figured—Bids Close Nov. 6, 3 P. M.
POST OFFICE \$190,000 Available.
BERKELEY, Alameda Co., Cal. Milvia and Kittredge Streets.

Extension and remodeling of Post Office (except elevator).
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Four contractors who are figuring this project include:
Barrett & Hilp, 918 Harrison St., San Francisco.
Dinwiddie Constr. Co., Crocker Bk. Bldg., San Francisco.
Wm. MacDonald Constr. Co., St. Louis.

H. Mayson, 9315 S. Hooper Ave., Los Angeles.

Additional prospective bidders on this project will be published shortly.
Plans obtainable from Supervising Architect, Treasury Dept. Washington, D. C., on deposit of \$250 returnable.

ALAMEDA, Alameda Co., Cal.—Wilkinson & Co., Gilroy, at \$3475 submitted low bid to Constructing Quartermaster, Benton Air Depot, Alameda, for drilling and testing 12-in. well. Complete list of bids appear under "Pipe Lines and Wells," this issue.

Bids Opened.
REMODEL Cost, \$—
SAN FRANCISCO. Appraisers Building.

Exterior and interior repairs to appraisers building (painting, etc.)
Owner—United States Government.
Architect—Wm. Arthur Newman, Post Office Bldg., San Francisco.

Following is a complete list of bids received:
Cramer Bros., 1941 15th St. \$5327
J. A. Grant 5929
H. Pappenhausen 6100
D. E. Burgess 6290
Nick Hemminga 6400
Vogt & Davidson 7730
Bids referred to Washington for awards.

SAN DIEGO, Cal.—Until October 29, 11 A. M. bids will be received by Public Works Officer, Eleventh Naval District, San Diego, for installation of two new steel tanks, each of 10,000 gallons capacity; two new electrically driven two-hose pumps and necessary underground piping and valves as required for complete operation at the Destroyer base; provision and installation of one new steel tank of 1000 gallons capacity; one new electrically driven two-hose pump, the installation only of one secondhand pump supplied by the government, and the furnishing and installation of necessary underground piping, valves, etc., at the

Training Station. Specifications obtainable from the Public Works Officer, Headquarters, 11th Naval District, upon deposit of \$10.

HALLS AND SOCIETY BUILDINGS

Sub Bids Wanted
COLISEUM Cost, \$200,000
RENO, Nevada. West Second St.
One-story brick and steel coliseum (200x300-ft.)
Owner—Coliseum Holding Co., Inc., Reno.

Plans by W. K. Owen.
Contractor—W. K. Owen, 3145 Pleitner St., Fruitvale, Cal., and Heidtman Bldg., Reno.

The structure will provide accommodations for an ice hockey rink, basketball courts, boxing area, exhibition rooms and convention quarters. Ice skating rink will be 80 ft. wide and 190 ft. long. Seating accommodations, in connection with this feature will provide for 3500 persons.

W. K. Owens is receiving bids on all portions of the work at the Reno address only. H. R. May, Heidtman Bldg., Reno, will take bids shortly on the refrigeration.

Sub Contracts Awarded
BUILDING Cost, \$40,000
SAN FRANCISCO. Joyce and Clay Streets.

Two-story reinforced concrete building (Chinese style).

Owner—Chinese Y. W. C. A., 897 Sacramento Street.

Architect—Miss Julia Morgan, Merchants' Exchange Bldg.

Contractor—K. E. Parker, 135 South Park.

Flooring—Rex Floor Co. 2468 65th Ave. Oakland.

Glass—Habernicht & Howlett, 329 Clay St., S. F.

Elevators—Otis Elevator Co. 1 Beach St. S. F.

Cast Stone—Henry Gregoire, 357 12th Street, S. F.

Tile—Art Tile & Mantel Co., 221 Oak St., S. F.

Other awards previously reported.

Plans Being Prepared.
CLUB HOUSE Cost, \$13,000
OROVILLE, Butte Co., Cal. I.
One-story frame and stucco club house (auditorium, lounging room, tea rooms, retiring rooms, etc.)
Owner—Monday Club, Oroville.
Architect—Cole & Brouhard, Chico.

October, 14, 1931.

Plans to be Prepared.
PAROCHIAL HALL Cost, \$25,000
SAN FRANCISCO—Potrero District. Parochial Hall

Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., (All Hallows Parish)

C. L. Ronan, 1641 Quesada St. is chairman of the building committee.

Contract Awarded.
MEMORIAL BLDG.

Cost, Price, \$58,537
ALBANY, Alameda Co., Cal.
Two-story reinforced concrete Veterans' Memorial Building (Spanish type; tile roof, ornamental iron, gas heating).

Owner—County of Alameda, Geo. E. Gross, County Clerk.

Architect—H. H. Meyers, Kohl Bldg., San Francisco.

Contractor—E. T. Leiter & Son, 811 37th St., Oakland.

REDWOOD CITY, San Mateo Co., Cal.—Redwood City Sportsmen's Club is having plans prepared for a new clubhouse to be erected in the Redwood Harbor district. Harry Miller is president of the club.

HOSPITALS

Revising Plans—Contract Awarded.
HOSPITAL Cost, \$300,000
ALTADENA, Los Angeles Co., Cal.
Foothill Blvd. and Washington St.
Five-story Class A steel frame and reinforced concrete hospital (65 beds).

Owner—Sisters of St. Joseph, Orange, Calif.

Architect—Gene Verge, Beaux Arts Bldg., Los Angeles and Newton Ackerman, 102 W. Fourth St., Eureka, Associated.

Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

Will provide for surgical department, kitchens, nurses' quarters, chapel, laundry, etc. Steel frame construction with reinforced concrete filler walls, floors and roof slab, steam heating system, electric elevators, marble and tile work, refrigeration plant, insulation, nurses' call system, ornamental iron, vaults, fire escapes, steel sash.

Sub Contracts Awarded
HEALTH CENTER Cost, \$248,973
SAN FRANCISCO—Polk and Grove Streets.

General construction for 4-story and basement reinforced concrete Class A health center, emergency hospital and office building.

Owner—City and County of San Francisco, S. J. Hester, Sect'y., Board of Public Works.

Architect—S. Heiman, 57 Post Street, San Francisco.

Structural Engineers—Ellison & Russell, Pacific Bldg., San Francisco.

Contractor—H. L. Peterson, 731 Treat Ave., San Francisco.

Wrecking Grading & Bulkheading—Sibley Grading and Teaming Co. 155 Lander Street.

Rein. Steel—Concrete Engineering Co. 1280 Indiana St.

Mill Work—National Mill & Lumber Co. 230 California St.

Other awards will be made shortly.

Completing Preliminary Plans
MEDICAL BLDG. Cost, \$600,000
SAN FRANCISCO, Calif. Second and Parnassus Aves.

Six story steel frame and concrete medical building.

Owner—University of California.

Architect—Wm. C. Hays, Crocker 1st National Bank Building.

PALO ALTO, Santa Clara Co., Cal.—Until October 19, 4 P. M. bids will be received by E. L. Beach, city clerk, for razing and removing the frame hospital building in Block 26, South Palo Alto, corner of Embarcadero Rd. and Cowper street. Specifications and further information in connection with this project obtainable from J. F. Bxybee, city engineer.

Preparing Preliminary Studies
HOSPITAL Cost, \$70,000
REDDING, Shasta County, Cal.
Hospital (probably reinforced concrete construction).

Owner—County of Shasta.

Architect—Otto Diechmann, 110 Sutter St., San Francisco.

More details will be given at a later date.

Preparing Plans
NURSES' HOME Cost, \$3,500
YUBA CITY, Sutter County, Cal.
One-story frame and stucco nurses' home (accommodations for six), wood shingle roof, heat from main hospital.

Owner—County of Sutter.

Architect—Otto Diechmann, 110 Sutter St., San Francisco.

To ASK Bids About October 15.
ADDITION Cost, \$—
SAWTELL, Los Angeles Co., Cal.
 Veterans' Hospital.
 Addition to hospital (concrete construction with brick base).
 Owner—United States Government.
 Plans by Superintendent of Construction, Palo Alto.

Plans and specifications will be obtainable from the Superintendent of Construction, Veterans' Hospital, Palo Alto, about October 15.

Contract Awarded — (Complete Bid Listing)

HEATING PLANT Cost, \$2,732
HAWTHORNE, Nevada.

Construct oil heat plant for Mineral Construct oil heating plant for Mineral Owner — County of Mineral, D. M. Buckingham, clerk, Hawthorne.

Architect—Not Given.
Contractor—Reno Plumbing and Heating Co., Reno, Nev.

Following is a complete list of the bids received:

Reno Plumbing & Heatig Co., Reno, Nevada.....\$2732

A. H. Palmer & Son, Logan Utah.....2775

San Jose Heating Co., San Jose.....2844

Savage & Son, Reno, Nevada.....2856

Nevada Sheet Metal Co., Tonopah, Nevada.....2864

J. A. McDermitt, Reno, Nevada.....2900

Geo. C. Bell, Oakland.....2935

Geo. A. Schuster, Oakland.....3290

Herman Lawson Co., S. F.....3888

Plans Beig Figured—Bids close November 4, 2.30 P. M.

HOSPITAL
SAN FRANCISCO, Onondaga Ave. and Alemany Blvd.

Two Story Class "A" Reinforced Concrete Emergency Hospital.

Owner—City & County of San Francisco, S. J. Hester, secretary Board of Public Works, 2nd Floor, City Hall.

Plans by Bureau of Architecture, Department of Public Works, Chas. H. Sawyer, Chief of Bureau, 2nd floor, City Hall.

Bids are wanted for a general contract. A bond of \$9,000 will be required of the successful bidder. Certified check 10% payable to the Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Architecture, 2nd floor, City Hall.

MERCED, Merced Co., Cal.—F. M. Blainey, Madera, at \$955.60 awarded contract by county supervisors for piping the Madera County Hospital for natural gas service and installing equipment, burners, vents, etc. Complete list of bids follows:

Frank M. Blainey.....\$ 955.60
 D. Stephenson, Madera.....1076.00
 Thos. Warburton, Madera.....1238.30

HOTELS

Sub Contracts Awarded
HOTEL Cost, \$300,000

SAN FRANCISCO, Powell and Clay Streets.

Seven - story class B steel frame and concrete hotel (concrete and composition roof; assembly hall with small stage).

Owner—Young Women's Christian Association, 620 Sutter St.
 Architect—Miss Julia Morgan, Merchants' Exchange Bldg.

Contractor—K. E. Parker Co., 135 So. Park.

Painting—A. Quandt & Son, 374 Guerrero Street.

Flooring—Rex Floor Co., 2468 65th Ave. Oakland.

Glass—Habernicht & Howlett, 529 Clay St., S. F.

Elevators—Otis Elevator Co. 1 Beach St., S. F.

Cast Stone—Henry Gregoire, 357 12th St., S. F.

Tile—Art Tile & Mantel Co. 221 Oak St., S. F.

Other awards previously reported.

ICE AND COLD STORAGE PLANTS

Plans Being Prepared

ICE MFG. Plant \$250,000
SAN FRANCISCO—Illinois, Twenty-third and Third Sts.

Carbonic Ice Manufacturing Plant. Owner—California Carbonic Ice Manufacturing Co. (E. W. Wilson, president), 14th floor, 200 Bush st. Engineer—C. A. Winder, 14th floor, 200 Bush st., San Francisco.

The plant will be of the "factory outdoor" type and will manufacture ice from the gasses from substation stacks in the vicinity. The ice manufactured will be used in refrigeration on transpacific ships and transcontinental freight trains carrying perishables. Bids for construction and installation of equipment will be asked within sixty days.

PEARL HARBOR, T. H. — See "Government Work and Supplies," this issue. Complete tabulation of bids received by Bureau of Yards and Docks for repairs to refrigeration plant at Pearl Harbor.

Preparing Plans.

PRE-COOLING PLANT Cost, \$65,000
UPLAND, San Bernardino Co., Cal. Third Avenue.

Citrus pre-cooling plant (storage capacity of 80 carloads).

Owner—Upland Citrus Association.
 Architect—W. W. Ache, 1616 4th Ave., Los Angeles.

RENO, Nevada—Construction has been started on a \$40,000 addition to the plant of the Unice Ice Co. Addition comprises a tank roof, additional ice making machinery and 16-car garage. Plant capacity will be increased from 35 to 60 tons per day. H. K. Thompson, plant manager.

BERKELEY, Alameda Co., York Ice Machine Co. 234 9th St., San Francisco at \$1,700 awarded contract by the Regents of the University of California for refrigeration equipment in the Engineering Building on the Berkeley Campus.

POWER PLANTS

Contract Awarded
SUB-STATION Cont. Price, \$11,597

BERKELEY, Alameda Co. Cal. Campus of University of California.

One-story reinforced concrete sub-station.

Owner—University of California.
 Architect—Not Given.

Low Bidder—Geo. J. Murer 50 York Drive, Oakland.

Contractor — George J. Maurer, 50 York Drive, Oakland.

SUSANVILLE, Lassen Co., Cal.—Lassen Municipal Utility District has been organized and proposes to vote bonds to finance construction of an electrical distributing system to serve the district. Directors of the district are: J. B. Spalding, George N. Dow, B. F. Lyle, Charles M. Anderson and H. H. Riddles.

BRIDGEPORT, Mono Co., Cal.—Southern Sierras Power Co. has been authorized to construct an electrical transmission and distribution line to serve Bridgeport and adjacent territory in Mono County.

HERNDON, Fresno Co., Cal.—San Joaquin Light-Power Bldg., Fresno, has approved plans for construction of the 50,000-k.w. steam plant to be constructed at Herndon. Construction is to be started in about three months. Work will be done by company forces under the supervision of Harold K. Fox, chief construction engineer for the company.

MADERA, Madera Co., Cal.—See "Reservoirs and Dams," this issue. Madera Irrigation District proposes to bring gravity water within the district area involving the construction of a dam at Friant, power plant, pumping plants, construction of canals, etc.

LOS ANGELES, Cal.—General Electric Corp., submitted the only bid to city purchasing agent for furnishing two G. E. type, F.H., 206-B, 2000 amp. 15,000 volt, 750,000 KVA, oil circuit breakers, f. o. b. 1630 N. Main St., for department of water and power, under Specifications No. 2019. The bid follows: \$4938 each, f. o. b. Philadelphia with full freight allowance to Los Angeles, for manual closing device add \$101.80; terms net.

Grading Started Plans Being Completed.

SUB-STATION Cost, \$8000
 Total cost, includ. equip., \$100,000
VALLEJO, Solano Co., Cal. Foot of Kentucky street.

One-story reinforced concrete sub-station, 55x33 ft.; concrete roof, covered with tar and gravel).

Owner — Vallejo Electric Light & Power Co., Vallejo.

Plans by W. A. Jones, 403 Alameda St., Vallejo.

Grading—T. McGill, Vallejo.
 Plans for the building are being completed and bids will be called for shortly.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

SANTA CRUZ, Santa Cruz Co., Cal.—City council is considering a proposal to erect a new city hall with funds derived from surplus municipal water department earnings. Over a ten year period it is proposed to finance the erection of the city hall, a municipal auditorium and other civic structures. A pumping plant in connection with the water system was recently installed under this plan of financing. Tentative estimates place the cost of a new city hall at \$200,000.

Plans Being Figured—Bids close on October 28, 2.30 p. m.

PARTITIONS Cost, \$800
SAN FRANCISCO, Kearny and Washington Streets.

Install marble toilet and shower partitions in women's prison at the Hall of Justice.

Owner—City and County of San Francisco, S. J. Hester, secretary board of Public Works.

Architect—Plans by Bureau of Architecture, Chas. H. Sawyer, chief 2nd floor City Hall.

Certified check 10 per cent payable to clerk of the board of Supervisors required with bid. Bond of \$200 required of successful bidder. Plans obtainable from the Bureau of Architecture, 2nd floor, City Hall.

Plans Being Figured—Bids close on November 2, 11 a. m.

HEATING SYSTEM Cost, \$—
SAN JOSE, Santa Clara County, Cal. Install Heating System in connection with reconstruction of county courthouse (recently destroyed by fire)

Owner—County of Santa Clara, Henry

A. Pfister, county clerk, San Jose.
 Architect—Binder & Curtis, 35 W. San Carlos, San Jose.
 Plans on file in office of county clerk.

Marble Contract Awarded.
WAR MEMORIAL. Cost, \$5,000,000
 SAN FRANCISCO. Civic Center.
 Marble for four-story and basement concrete Class A Veterans' Bldg. and 6-story Class A Opera House, seating 4000; standing room, 500.
 Owner—City and County of San Francisco (S. F. War Memorial).
 Architect—G. A. Lansburgh, 140 Montgomery St. and Arthur Brown Jr., 251 Kearny St., San Francisco.
 Mgrs. of Constr.—Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.

Opera House—Eisele & Dondero, 2395 Third St., San Francisco.
Veterans' Bldg.—American Marble Co. Hobart Bldg., San Francisco.
 Complete list of bids were published October 7. The propositions to be accepted have not been determined at this time.

Plans Being Prepared.
TEMPORARY OFFICES. Cost, \$2000
 REDWOOD CITY, San Mateo Co., Cal.—Courthouse Grounds.
 Temporary Frame Office Building.
 Owner—County of San Mateo.
 Architect—Will H. Toepke, 74 New Montgomery St., San Francisco.
 Construction will be of a temporary nature. The quarters will house the offices of the county surveyor and other officials departments of the county government.

ROSEVILLE, Placer Co., Cal.—City councilman F. L. Forlow has introduced a resolution calling for the erection of a new city hall to be constructed on the unit plan. The city has \$25,000 available at the present time for such construction. The resolution urges that the construction be undertaken at once to relieve the unemployment situation.

PALO ALTO, Santa Clara Co., Cal.—Until October 19, 4 P. M. bids will be received by E. L. Beach, city clerk, for razing and removing the frame hospital building in Block 25, South Palo Alto, corner of Embarcadero Rd. and Cowper street. Specifications and further information in connection with this project obtainable from J. F. Bxybee, city engineer.

Sub Contracts Awarded
COURT HOUSE Cont. Price, \$148,500
 SAN JOSE, Santa Clara Co., Calif.
 Rebuilding county courthouse destroyed by fire (using present brick walls and foundations) and construct an additional story of steel frame and concrete construction (tile roof, steam heating system.)
 Owner—County of Santa Clara, Henry A. Pfister, county clerk.

Architect—Binder and Curtis, 35 West San Carlos St., San Jose.
Structural Engineer—Wm. Lotz, 1040 Benton St., San Jose.
Contractor—W. J. Ochs, American Trust Co., Building, San Jose.
Rein. Steel—W. C. Hauck, 280 San Bruno Ave., San Francisco.
Structural Steel—McClintic Marshall Co., 2050 Bryant St., S. F. through Hellwig Iron Works, 407 Vine St., San Jose.

Marble—Vermont Marble Co., 244 Brannan St., S. F.
Terrazzo Work—California Terrazzo Marble Co., 2085 San Bruno Ave.
Plumbing—H. J. Pascoe, 203 W. Santa Clara, San Jose.
Lathing & Plastering—Chris Berg, 580 Market St., S. F.

Glass—Cobbledick Kilbe Glass Co., Co., 666 Howard St., S. F.
Mill Work—Hubbard & Carmichael Bros., 384 W. Santa Clara, San Jose
Rock Sand & Cement—Central Supply Co. Stockton & Emory, San Jose.
Floor Tile—T. H. Price, 90 Vine St., San Jose.
Electric—Gilbert Bros., 286 W. Santa Clara, San Jose.

Plans Being Figured—Bids close on November 10, 2 p. m.
FIRE HOUSE Cost, \$—
 ELDRIDGE, Sonoma County, Cal.
 One-story frame Firehouse (brick veneer exterior)
 Owner—State of California.
 Plans by State Department of Public Works, Division of Architecture.
 Geo. P. McDougall, state architect, Public Works Bldg., Sacramento.

The structure will have reinforced concrete foundations, concrete and wood floor construction, brick veneer, wood walls and partitions, wood roof construction and wood shingle roof. Separate bids are wanted for:

- (1) General Work embracing all branches of the construction other than electric, plumbing and heating work;
- (2) Electric Work;
- (3) Plumbing Work;
- (4) Combined Plumbing and Heating Work.

Alternate bids affecting the general work will be required for certain substitutions and omissions in materials.

RESIDENCES

Contract Awarded
RESIDENCE Cont. Price, \$8,244
 OAKLAND, Alameda Co., Cal., Sunnyside Road.

Two - story and basement frame and stucco residence (6 rooms, 2 baths, shingle roof, gas heat, tile baths and kitchen, hardwood floors).

Owner—E. Wells, Jr.
 Architect—Ray Keefer and A. L. Herberger, 770 Westley Ave., Oakland.
 Contractor—Irwin H. Reimers, 745 Walla Vista Ave., Oakland.

Sub Bids Being Taken
RESIDENCES Cost, \$5500 each
 PALO ALTO, Santa Clara Co., Cal. Crescent Park.

Two - story and basement frame and stucco residences (6 rooms each); composition and tile roof, gas heat, hardwood floors, colored tile baths and kitchens; separate garages.

Owner and Builder—C. R. Janssen, 2171 Bay St., San Francisco.
 Architect—Not Given.

Plans Completed
RESIDENCE Cost, \$10,000
 SAN FRANCISCO, Cal., S. Monterey Blvd., near San Aliso.

Two-story and basement frame and stucco residence (8 rooms 2 baths) tile roof, gas heating system, hardwood floors, colored tile baths and kitchen)

Owner—J. & E. Koster, 821 Market Street.
 Architect—Dodge Riedy, 821 Market Street.

Contractor—Selected Name Withheld.

Sub-Contracts Awarded
RESIDENCE Cost, \$70,000
 PIEDMONT, Alameda Co., Cal. Piedmont Estates.

Two-story and basement frame and stucco residence (Italian style, tile roof, ornamental iron, marble, gas heat, vapor system, landscaping).
 Owner—R. K. Ham, Latham Square Bldg., Oakland.

Architects—Noble and Archer T. Newson, Russ Bldg., San Francisco
Contractor—A. Coderberg, 1455 Excelsion Blvd., Oakland.
Orn. Iron—H. Sedelmeier, 978 Colusa, Berkeley.

Marble and Cast Cement—New Era Work Co., 4210 Telegraph Ave., Oakland.

Painting—A. Van Heerden & Co., 6260 College Ave., Berkeley.

Flooring—Inland Floor Co., 4067 Watts, Berkeley.

Heating—Heating Specialty Co., Berkeley.

Plumbing—Carl T. Doell, 467 21st St., Oakland.

Roofing—W. L. Saxby, 4538 Fleming St., Oakland.

As previous reported:
Excavation—Ariss-Knapp Co., 961 41st St., Oakland.
Lumber—Sunset Lumber Co., 400 High St., Oakland.
Mill Work—Lannom Bros. Mfg. Co., 5th and Magnolia Sts., Oakland.

Plans Being Prepared.
RESIDENCES Cost, \$5500 each
 PALO ALTO, Santa Clara Co., Cal. Crescent Park.

Two two-story and basement frame and stucco residences (6 rooms each); composition and tile roof, gas heat, hardwood floors, colored tile baths and kitchens; separate garages.

Owner & Builder—C. R. Janssen, 2171 Bay St., San Francisco.
 Architect—Not Given.

Sub-bids will be taken within a few days.

To Ask Bids In Two Weeks.
RESIDENCE SCost, \$4000
 BERKELEY, Alameda Co., Cal. Location withheld.

One-story and basement frame and stucco residence (5 rooms; shingle roof, part tile bath and kitchen, hardwood floors).

Owner—Arthur Bowron, 1104 Keith St., Berkeley.
 Architect—Ray Keefer and E. L. Herberger, 770 Westley Ave., Oakland.

Bids Opened
RESIDENCE Cost, \$8000
 OAKLAND, Alameda Co., Cal. Sunnyside Road.

Two - story and basement frame and stucco residence (6 rooms, 2 baths, shingle roof, gas heat, tile baths and kitchen, hardwood floors).

Owner—E. Wells, Jr.
 Architect—Ray Keefer and E. L. Herberger, 770 Westley Ave., Oakland.
 Low Bidder—Irwin H. Reimers, 745 Wall Vista, Oakland.

Following is a complete list of bids received.

Irwin H. Reimers	\$8,244
C. H. Thrams	\$8,755
C. Wooley	\$8,737
J. S. Flagg	\$8,795
A. C. Sharp	\$8,875
T. E. Latham	\$9,250
Buckett & Wight	\$9,337

Bids held under advisement.

To Ask Bids In One Week.
RESIDENCE Cost, \$7500
 ORINDA, Contra Costa Co., Cal. Orinda Country Club Grounds.

One and one-half-story frame and stucco residence (7 rooms and 2 baths; Normandy style, shingle roof, steel shed, oil burner, hot air heating system, colored tile baths and kitchen, hardwood floors and trim).

Owner—Withheld.
 Architect—Wm. A. Rich, Orinda.

Sub-Bids Being Taken.

RESIDENCE Cost, \$7,500
SAN FRANCISCO. St. Francis Wood
 Two-story and basement frame and
 stucco residence (7 room, and 2
 baths; full tile roof, gas heat, elec-
 tric refrigeration, coored tile
 baths and kitchen, hardwood floors
 and trim, etc.) Spanish type.
 Owner—W. J. Dawson.
 Architect—Not Given.
 Contractor—C. Gellert, 218 Castenada
 St., San Francisco.

Plans Being Figured—Bids Close Oct.
 16, 3 P. M.

RESIDENCE Cost, \$4,500
MODESTO. Stanislaus Co., Cal.
 One-story and basement frame and
 stucco residence (5 rooms; shingle
 roof, gas heating, hardwood floors
 colored tile bath and kitchen).
 Owner—J. Rogers, Floyd Ave., Mo-
 desto.
 Architect—G. N. Hilburn, 1322 I St.,
 Modesto.

Additional Sub Contracts Awarded
RESIDENCE Cost, \$8,500
BURLINGAME. San Mateo Co., Cal.
 Burlingame Avenue.
 Two-story and basement frame and
 stucco residence (shingle roof).
 Owner—F. L. Hawken.
 Plans by Coleman & Gillam, 1401
 Broadway, Burlingame.
 Contractor—G. W. Williams Co., Ltd.,
 315 Primrose Road, Burlingame.
Plastering—J. Hampton, 1205 Vancou-
 ver, Burlingame.

Mill Work—Pacific Mfg. Co., Monad-
 nock Bldg., S. F.
Sheet Metal—Meriman Sheet Metal
 Works, San Mateo.
 As previously reported.
Concrete—Gus Adolphson, 706 North
 Claremont, San Mateo.
Plumbing—H. Lauder Co., 218 Lorton
 Ave., Burlingame.
Lumber—Cahalan Co., Bayswater and
 Railroad Ave., Burlingame.

Concrete & Lumber Contracts
 Awarded
RESIDENCE Cost, \$13,000
BURLINGAME. San Mateo Co., Cal.
 NE Easton Drive and Montero
 Avenue.

Two-story and basement frame and
 stucco residence (8 rooms, 2 baths)
 (shingle roof, oil burner, refriger-
 ation, etc.)
 Owner—D. Buegeleisen.
 Plans by Coleman & Gellan.
 Contractor—G. W. Williams Co., Ltd.,
 315 Primrose Rd., Burlingame.
Concrete—Gus Adolphson, 706 N. Clar-
 mont, San Mateo.
Lumber—Wisnom Lumber Co., 1090
 Broadway, Burlingame.

Contract Awarded,
RESIDENCE Cost, \$12,000
OAKLAND. Ala. Co., Calif, 5748 Iv-
 anhoe Road
 Two-story and basement frame and
 stucco residence (8 rooms)
 Owner—Chas. W. Campbell, 6609
 Chabot Rd., Oakland.
 Contractor—W. L. Broderick, 407
 Koerber Bldg., Berkeley.

Contract Awarded
RESIDENCE Cont. Price, \$6,835
WILLOW GLENN. Santa Clara Co.,
 Calif.
 Two-story and basement frame and
 rustic residence (7 rooms and 2
 roof, warm air, natural gas heat-
 baths); (Colonial type, shingle
 ing system, hardwood floors, col-
 ored tile bath and kitchen).
 Owner—Oliver Johnson, 230 W. San
 Carlos St., San Jose.
 Architect—Chas. McKenzie, Twohy
 Bldg., San Jose.
 Contractor—M. W. Reese, 1210 Min-
 nesota, San Jose.

Following is a complete list of the
 bids received.

M. W. Reese, San Jose	\$6,835
Frank Neves, Santa Clara	6,894
Dyke Walton, San Jose	7,085
Paul Anderson, San Jose	7,495
Wm. Caldwell, San Jose	7,468
J. Wagner, San Jose	7,790
George Honore, San Jose	7,730
Chas. Collins, San Jose	7,742
Minton Co., Palo Alto	7,800
Terry Johnson, San Jose	8,400

Planned
RESIDENCES Cost, \$—
SAN FRANCISCO. Cal., S. E. Cab-
 rillo St., and 29th Avenue.
 Two, one-story frame and stucco bun-
 galows.
 Owner—E. A. Janssen, Hearst Bldg.,
 S. F.
 Architect and Builder—Not Given.

Plans Being Completed
RESIDENCE Cost, \$7,500
SAN FRANCISCO. Cal., 17th Ave. bet.
 Vicente and Wawona Streets.
 One-story and basement frame and
 stucco residence, (7 rooms) part
 tile and composition roof, wood
 sash, gas and hot air heating.
 Owner and Builder—S. F. Johnson,
 17th Ave., and Vicente Sts.
 Architect—Chas. Strothoff, 274 15th St.
 Sub-bids will be taken in about one
 week.

Contract Awarded.
RESIDENCE Cost, \$4,896
HEALDSBURG. Sonoma Co., Cal.
 Matheson Street.
 Two-story frame and stucco residence
 (8 rooms).
 Owner—Frank Bufl, 315 Hudson St.,
 Healdsburg.
 Architect—William Herbert, Rosen-
 berg Bldg., Santa Rosa.
 Contractor—Foreman Landers,
 Healdsburg.

Following is complete list of bids:
 Foreman Landers 4896
 E. A. Anloff 4999
 Johnson & Pordon 5065
 Heitz & Witter 5090

SCHOOLS

BERKELEY. Ala. Co., Calif.—W. J.
 Sloane & Co., 224 Sutter Street, San
 Francisco at \$4,340 awarded contract
 by the Regents of the University of
 California for furnishings for the Esh-
 leman Memorial on the Berkeley Cam-
 pus.

ROSEVILLE. Placer Co. Cal.—Rose-
 ville Union High School District con-
 templates installation of a flood light-
 ing system on the athletic field at the
 school grounds. It is proposed to fi-
 nance the installation with funds col-
 lected from football games and other
 athletic events on the grounds. One
 informal offer submitted to the Stud-
 ent Body involves the expenditure of
 \$3,700 for such an installation.

OROVILLE. Entte Co. Cal.—J. C.
 Nisbet, principal of the high school,
 has been authorized by the school
 trustees to negotiate for the purchase
 of 500 lockers for the girls' section of
 the high school gymnasium.

Sub Contracts Awarded
SCHOOL Cont. Price, \$16,373
LATON. Fresno Co., Cal.
 One - story frame and stucco high
 school unit.
 Owner—Laton Joint Union High School
 District.
 Architect—W. D. Coates, Jr., Rowell
 Bldg., Fresno.
 Contractor—Geo. R. Shannon, Fresno.
 Plumbing and Heating—Newman and
 Hudson, Fresno, \$1726.
Brick Work—E. F. Main, Fresno.
Brick—Craycroft Brick Co., Fresno.

Steel and Iron—C. M. Brockilas Fresno
Roofing—D. H. Coffman, Fresno
Plastering—W. F. Schmiedeberg,
 Fresno.
Painting—W. Harold Broadwell, Clovis
Mill Work—Hollenbeck Bush, Fresno
Blackboards—Southwest Blackboard
 Co., San Diego.
Electric Wiring—G. R. Shannon,
 Fresno.
Lumber—M. Kellner & Son, Fresno.
Rock and Aggregates—Grant-Service
 Rock Co., Fresno.
Cement—Santa Cruz Portland Cement
 Co., Davenport, Cal.

Bids Opened
SCHOOL & HALL Cost, \$242,000
BERKELEY. Alameda Co., Cal.
 Two-story reinforced concrete pri-
 mary school and one-story rein-
 forced concrete academic dining
 hall (20 classrooms).
 Owner—State of California.
 Architect—Charles Roeth, 1404 Frank-
 lin St., Oakland.

The primary school building is two
 stories with reinforced concrete found-
 ations, walls, floors, metal stud par-
 titions, steel and concrete roof frame
 and clay tile roof. The academic din-
 ing hall is one-story with reinforced
 concrete foundations, walls, floor, con-
 crete roof framing and clay tile roof.
 Following is a complete list of bids
 received.

General Work
 K. E. Parker Co., 135 So. Park, S. F. \$162,000
 Dinwiddie Construction Co., San Fran-
 cisco 163,100
 Anderson & Ringrose, S. F. 165,000
 E. T. Lesure, Berkeley 168,740
 Empire Construction Co., S. F. 172,400
 J. S. Hannah, S. F. 173,677
 H. Mayson, Long Beach 174,950
 MacDonald & Kahn, S. F. 175,975
 Monson Bros., S. F. 176,674
 J. F. Shepherd, Stockton 178,768
 W. R. Littlefield, Oakland 190,938
 H. C. Vensano, S. F. 206,640

Electric Work
 Alta Elec. & Mechanical Co., 938 How-
 ard St., S. F. \$14,485
 Matson-Seabrooke Co., Oakland 14,733
 Turner Co., S. F. 14,822
 Scott-Buttner Co., S. F. 15,450
 Kenyon Electric Co., S. F. 15,450
 Superior Electric Co., S. F. 15,780
 Central Electric Co., S. F. 15,880
 W. B. Baker, S. F. 16,149
 NePage-McKenney Co., Oakland 16,887
 T. L. Rosenberg, Oakland 17,025
 Decker Electric Co., S. F. 18,230
 Butte Electric & Equipment Co., S. F.
 18,322
 George Woolf, Oakland 19,948

Plumbing
 Mechanical Contracting Co., 83 Ship-
 ley St., San Francisco \$8,350
 J. A. Fazio, Oakland 8,598
 Scott Co., S. F. 8,700
 Herman Lawson, S. F. 8,775
 Carl T. Doell, Oakland 8,785
 F. W. Snook, San Francisco 8,895
 Fearey & Moll, Oakland 8,997
 Hatley & Hatley, Sacramento 9,113
 George Schuster, Oakland 9,740
 Turner Co., S. F. 10,125
 Cra King, Pasadena 10,132

Heating and Ventilating
 Alta Electric & Mechanical Co., 938
 Howard St., San Francisco \$16,960
 W. A. Aschen, Oakland 17,245
 George Schuster, Oakland 17,480
 Scott Co., San Francisco 17,500
 Pacific Heating & Vent. Co., Oakland
 17,595
 Hatley & Hatley, Sacramento 17,855
 James A. Nelson, S. F. 17,890
 Herman Lawson, S. F. 18,091
 Fearey & Moll, Oakland 18,097
 Carl T. Doell, Oakland 18,111
 Carpenter & Mendenhall, Sac. 18,253
 Mechanical Contracting Co., S. F.
 18,629
 Schreiber Bros., Oakland 18,929
 Turner Co., S. F. 19,247
Plumbing and Heating Combined

Mechanical Contracting Co., 83 Shil-
ley St., San Francisco \$26,450
Pearce & Moll, Oakland 26,717
Carl T. Doell, Oakland 26,738
Herman Lawson, S. F. 26,759
Tanner Co., San Francisco 28,982
Bids held under advisement.

Contract Awarded.
STEAM HEATING-Cont. Price, \$1755
REDWOOD CITY, San Mateo Co., Cal.
Garfield School.

Furnishing and installing steam heat-
ing system in Garfield School.
Owner—Board of Trustees, Redwood
City School District, C. G. Uhlen-
berg, clerk.

Architect—A. I. Coffey & M. J. Rist,
1126 Phelan Bldg., San Francisco.
Contractor—Walter S. Sterling, 1125
King St., Redwood City.

Following is a complete list of bids
received:

W. S. Sterling, Redwood City...\$1,755
F. W. Snook Co., S. F. 1,765
O'Mara & Stewart, S. F. 1,869
Herman Lawson, San Francisco 2,000

Additional Sub Contracts Awarded
ADDITION Cont. price, \$29,072
BERKELEY, Alameda Co., Cal. 2001
Alston Way.

Two - story and basement frame and
brick addition for gymnasium.
Owner—Y. M. C. A., 2001 Alston Way,
Berkeley.

Architect—W. H. Ratcliff, Chamber of
Commerce Bldg., Berkeley.
Contractor—David Nordstrom, 354 Ho-
bart St., Oakland.

ORN, IRON Liberty Orn. Iron and
Wire Co., 21st and Filbert Sts.,
Oakland.

REIN. STEEL McGrath Steel Co., 354
Hobart St., Oakland.

STEEL SASH Michel & Pfeffer Iron
Works, Harrison & 10th Sts., S. F.
As prev. rep.

EXCAVATION—J. Catuccio, 1212 18th
Ave., Oakland.

PLUMBING—Carl T. Doell, 467 21st
St., Oakland.

ELECTRIC WORK—George Woolf, 795
Alcatraz Ave., Oakland.

Plans Being Prepared.
GRADING, ETC. Cost, \$1000

CHICO, Butte Co., Cal.
Construct benches and for grading
and playing football field and foot track
at High school grounds.

Owner—Chico High School District,
C. H. Camper, City Superintendent
of Schools.

Engineer—Frank R. Robinson, Chico,
Calif.

ALAMEDA, Alameda Co., Cal. —
Board of Education will add bids at
once for completely overhauling trees
on school property. The work will in-
clude spraying, pruning and necessary
surgery. Specifications obtainable
from secretary of the board.

Contract Awarded Cont. Price \$5,485
ADDITION

COLLEGE CITY, Colusa Co., Cal.
One-story frame and stucco addition
to gymnasium (steam boiler plant,
concrete floors, steel sash, com-
position roof.

Owner—Pierce Joint Union High
School District.

Architect—Otto Diechmann, 110 Sutter
St., San Francisco.

Following is a complete list of bids:
Contractor: Maurice Peart, Grimes,
Calif.

Maurice Peart, Grimes 55,485
P. T. Ginther, Williams 55,990
Chas. Unger, Sacramento 6,774

Plans Being Completed.
SCIENCE BLDG. Cost, \$20,000

SAN JOSE, Santa Clara Co., Cal.
Three-story and basement reinforced

concrete Science Bldg. (tile roof,
steam heating system).
Owner—State of California.
Architect—Ralph Wyckoff, Growers'
Bank Bldg., San Jose.
Associate Architect, Chas. McKenzie,
Twohy Bldg., San Jose.

Plans will be completed about Oct.
20th at which time they will be for-
warded to Sacramento for approval.

Contract Awarded Cont. Price \$9,293
ADDITION

ROSEVILLE, Placerville Co., Cal.
Two-story brick addition to school.
Owner—Roseville School District.
Architect—Starks & Flanders, Frum
Bldg., Sacramento.

Contractor: Wilke & Proppe, Rose-
ville.

(6386) 1st rep. Aug. 14, 1931; 4th rep.

Plans Being Figured—Bids Close on
October 31, 7 P. M.

CHAIRS Cost, \$—
YUBA CITY, Sutter Co., Cal.
Furnish and install not less than 500
and not more than 700 folding
chairs in auditorium of Yuba
Grammar School.

Owner—Yuba School District, C. P.
Taylor, Clerk, Yuba City, Calif.

Architect—Not Given.

Certified check 10% payable to clerk
required with bid. Specifications ob-
tainable from clerk.

Plans being prepared
LAW BLDG. Cost, \$225,00

PULLMAN, WASH.
Class "A" Law School Unit.

Owner—University of Washington,
Pullman, Wash.

Architect—A. H. Albertson, Joseph
Wilson and Paul Richardson, asso-
ciates, Seattle, Wash.

Plans Being Figured — Bids Close
October 24, 12 noon.

HEATING EQUIP Cost, —

LINDSAY, Tulare County, Cal.

Furnish and install heating equip-
ment in Lincoln School.

Owner—Lindsay School District, Ford
A. Chatters, clerk, Lindsay, Cal.

Architect—Not Given.

Specifications on file in office of the
Superintendent of Schools at Lindsay.

October 13, 1931
To Ask Bids Within One Week.

GYMNASIUM Cost, \$1,000,000

BERKELEY, Alameda Co., Cal. Cam-
pus of University of Calif.

Class A steel frame and concrete gym-
nasium.

Owner — University of California,
Berkeley.

Architect—George Kelham, 315 Mont-
gomery St., San Francisco

Sub-Contracts Awarded.
IMPROVEMENTS

Cost, Price, \$11,250
MODESTO, Stanislaus Co., Cal.

Construct boys' shower room as an
addition to gymnasium and plaster
exterior of gymnasium and train-
ing building of Modesto Junior
College.

Owner—Modesto City School District,
E. D. Abbott, Secretary, Board of
Education, Modesto.

Architect—Davis-Pearce Co., Builders'
Bldg., Stockton.

Contractor—H. Tennyson, 125 Popular
St., Modesto.

Plumbing, Heating and Sheet Metal—
D. R. Hoffman, Modesto.

Plastering—P. A. Hunt, Modesto.

Wiring—Wille Electric Co., Modesto.

Roofing—Central Roofing Co., Modesto.

Steel Sash — Turner Hardware Co.,
Modesto.

Lumber and Mill Work — Stanislaus
Lumber Co., Modesto.

Structural Steel—Schrader Iron Works
1247 Harrison St., San Francisco.

Contract Awarded
SCHOOL Cost, \$8,750
FALL RIVER MILLS, Shasta Co., Cal.
Two-class-room school.
Owner—Fall River Mills Elementary
School Dist., Abble L. Shaffer,
Clerk.

Architect—Ralph D. Taylor, Alturas,
Contractor—S. Severson, Hedding

Complete Bid Listing

S. Severson, Hedding \$5,750
Harry Porter, Gerber 3,888
H. R. Myers, Adin 8,942
L. H. Selvester, Glenburn 3,875
Miller & Strand, Bieber 8,979

Contract Awarded
ADDITION Cost, \$26,662

PISMO, San Luis Obispo Co., Cal.
One-story brick school (unit No. 2)

Owner—Pismo Elementary School Dis-
trict, Julia M. Howard, Clerk.

Architect—Louis N. Crawford, Gibson-
Drexel Bldg., Santa Maria.

Contractor — Neves and Harp, Santa
Clara.

Complete Bid Listing

W. J. Smith, San Luis Obispo, \$25,860
Turner & Jones, Santa Maria 25,885
W. J. Charters, S. Luis Obispo 26,050
Theo. Maino, S. Luis Obispo 26,126

Neves and Harp, Santa Clara 26,662

Doane Bldg. Co., Santa Maria 26,600

Wiggs Construction Co., S. M. 26,438

Reasons for the award of contract
to the highest bidder were not dis-
closed by the clerk of the district in
reporting the award of contract.

Commissioned to prepare plans
HIGH SCHOOL Cost, \$—

NORTH SACRAMENTO, Sacramento
County, Cal.

High School Plant.

Owner—Grant Union High School Dis-
trict, North Sacramento, Calif.

Architect—Starks and Flanders, Sac-
ramento, Calif.

A site for the structure will be se-
lected shortly. Following the selection
of the site, the cost of the structure
will be determined and plans started.

Plans Completed
GYMNASIUM Cost, \$1,000,000

BERKELEY, Ala. Co., Calif., Campus
of the University of California.

Two-story and basement class A steel
frame and concrete men's gymna-
sium, gymnasium type hardwood
floors, composition, rock asphalt
and gypsum roofing, steel sash,
etc.

Owner—University of California.

Architect—George Kelham, 315 Mont-
gomery St., San Francisco.

Bids will be advertised for within
one week.

Bids Opened.
ELECTRIC CLOCKS Cost, \$—

ST. HELENA, Napa Co., Cal.

Furnish and install electric program
clocks and fire alarm system for
grammar school.

Owner—St. Helena Union School Dis-
trict, A. J. Laurent, clerk.

Architect—Wolfe & Higgins, 19 North
2nd St., San Jose.

Following is a complete list of the
bids received:

International Time Recording Co., 529
Market St. San Francisco \$624

Alt. \$779

Standard Electric Time Co., S. F. 729

Telecon Co. San Francisco 805

Contract will be awarded Oct. 16th.

Contract Awarded
HEATING PLANT Cost, \$—

DURHAM, Butte Co., Cal.

Enlargement of heating plant at high
school.

Owner — Durham Union High School
District, Beecher H. Harris, clerk.

Architect—Cole and Brouchoud, First
National Bank Bldg., Chico.

Contractors—W. H. Robinson, Monterey Park, Calif.

BANKS, STORES & OFFICES

Low Bidders.
REMODEL BANK Cost, \$—
TURLOCK, Stanislaus Co., Cal.

Remodel two-story brick and terra cotta bank (new vaults and vault doors, safe deposit, new heating plant, etc.).

Owner—Security State Bank.

Architect—G. N. Hilburn, Elks Bldg., Modesto.

General Work

Frank Johnson, 610 E. Main St., Turlock.

Heating

Andy Thorsen, 134 Lander St., Turlock

Sub Bids Being Taken

SALESROOM Cost, \$15,000
SAN FRANCISCO, Calif., N. Otis St. 116' W. 12th.

Two-story class C concrete salesroom bldg. (Summerbell truss roof with tar and gravel covering.)

Owner—Salta Co., 557 4th St.

Architect—E. H. Denke, 1317 Hyde St.
Contractor—Mission Concrete Co., 270 Turk Street.

Contract Awarded

OFFICE Cost, \$2,000
SAN FRANCISCO, Cal., 2121 3d Street

One-story frame and stucco offices.
Owner—Seaside Oil Co., 2121 3d street

Architect—Engineering Dept. of Owner.
Contractor—Empire Construction Co., 100 Bush St.

Bids In Held Under Advisement.

STORE Cost, \$—
OAKLAND, Ala. Co., Calif., 35th & E. 14th Street.

Two-story and basement brick store.
Owner—Mr. Craig

Architect—Williams & Wastell, 374 17th St., Oakland.

Announcement will be made within a few days.

Sub Contracts Awarded

ALTER BANK Cost, \$10,000
OAKLAND, Alameda Co., Cal. 11th St. and Broadway.

Alterations to interior of bank.

Owner—Bank of America.

Architect—H. A. Minton, Bank of America Bldg., San Francisco.

Plastering—William Makin, 420 Lee St., Oakland.

Wiring—Pacific Electric Motor Co., 10th and Oak Sts., Oakland.

Sub Contracts Awarded.

ALTER STORES Cost, \$10,000
BERKELEY, Ala. Co., Cal., Shattuck and University aves.

Alter one-story bank for stores.

Owner—Bank of America.
Architect—H. A. Minton, Bank of America Bldg., S. F.

Electric—California Electric Co., 115 12th St., Oakland.

Plastering—J. H. Witt, 882 56th St., Oakland.

Contract Awarded

RESTAURANT Cost, \$875
SAN FRANCISCO, Calif., 91 Natoma Street.

One-story steel restaurant bldg.

Owner—T. E. & E. L. Starrett.
Architect—Not given.

Contractor—Patterson & Koster Iron works, 280 13th Street.

Preparing Plans.

PROFESSIONAL BLDG. Cost \$250,000
LOS ANGELES, Calif., S. E. Long Beach Blvd and Walnut St.

Four-story and basement steel and concrete professional bldg. (120x 100) (office stores and garage.)

Owner—De Luxe Bldg Co., W. M. Garland Bldg., Los Angeles.

Architect—Lester T. Squiers, Union League Bldg., Los Angeles.

Contract Awarded

SALESROOM Cost, \$15,000
SAN FRANCISCO, Calif., N. Otis St. 116' W. 12th.

Two-story class C concrete salesroom bldg. (Summerbell truss roof with tar and gravel covering.)

Owner—Salta Co., 557 4th St.

Architect—E. H. Denke, 1317 Hyde St.
Contractor—Mission Concrete Co., 270 Turk Street.

Contract Awarded

STORES Cost, \$12,000
SAN FRANCISCO, Calif., W. Buchanan St. N. North Point.

One-story frame and stucco stores.

Owner—Niels Schultz

Architect—Hyman & Appleton, 68 Post St., S. F.

Contractor—Schulz Construction Co., 1 Hillcrest Highlands, Milbrae Highlands, Cal.

Plans Being Prepared.

ALTER Loft Building.
S. F. CALIF., 735 Market Street.

Alterations to 6-story reinforced concrete Loft Building.

Owner—Somers Estate c/o F. Somers Petersen, 57 California St.

Architect—Albert J. Evers, 525 Market Street

Contract Awarded.

STORE Cost, \$6500
SANTA BARBARA, Santa Barbara Co., Cal. No. 208-10 E. Anapamu Street.

One-story frame and stucco (3) stores.

Owner—James Birnbaum Estate.
Architect—Edwards & Schary, 701 Anapamu St., Santa Barbara.

Contractor—Andrew C. Jensen, Santa Barbara.

Contract Awarded.

Store Cost, Price, \$48,300
SAN MATEO, Contra Costa Co., Calif. Second Ave. and Main St.

1½-story reinforced concrete store; (terra cotta exterior, composition roofing; 8 stores and mezzanines).

Owner—Merkel Bros., 201 B St., San Mateo.

Architect—Edwards & Schary, 550 Montgomery St., San Francisco.

Contractor—H. H. Larsen Co., 64 South Park, San Francisco.

An allowance of \$3,000 has been made for additional work to be done after building is leased.

Second low bid was submitted by G. P. W. Jensen, 320 Market St., San Francisco at approximately \$49,000.

Plans Being Prepared

BANK Cost, \$—
LONE PINE, Inyo Co., Cal.

Reinforced concrete bank (25x70-ft.)

Owner—Max Skinner, Lone Pine.

Architect—H. A. Minton, Bank of America Bldg., San Francisco.

Lessee—Bank of America.

Contract Awarded.

STORE Cost, \$12,000
LAS VEGAS, Nevada.

One-story concrete block store with terra cotta front (3 stores).

Owner—A. W. Ham.

Architect—Paul A. Warner, Las Vegas

Contractor—Dan Campbell, Las Vegas.

Completing Plans.

MARKET Cost, \$—
WATSONVILLE, Santa Cruz Co., Cal. E Lake Avenue.

One and one-half-story reinforced concrete market, tile floors; 55x140 ft.

Owner—W. H. Weeks and A. P. Beck, 525 Market St., San Francisco.

Architect—W. H. Weeks, 525 Market St., San Francisco.

Lessee—City Properties, Inc., 1736 Franklin St., Oakland.

Bids will be taken in two weeks.

To Ask Bids In Ten Days.

REMODEL MARKET Cost, \$25,000
OAKLAND, Alameda Co., Cal. Grand and Webster Streets.

Remodel and renovate reinforced concrete market (12 departments).

Owner—Grand-Webster Bldg. Corp.

Architect—W. H. Weeks, 525 Market St., San Francisco.

Lessee—City Properties, Inc., 1736 Franklin St., Oakland.

Electric & Excavation Contract Awarded

Store Cost, Price, \$48,300
SAN MATEO, San Mateo Co., Cal. Second Ave. and Main St.

1½-story reinforced concrete store; (terra cotta exterior, composition roofing; 8 stores and mezzanines).

Owner—Merkel Bros., 201 B st., San Mateo.

Architect—Edwards & Schary, 550 Montgomery St., San Francisco.

Contractor—H. H. Larsen Co., 64 South Park, San Francisco.

Electric—Atlas Electric Co., 135 B St., San Mateo.

Excavation & Stone—San Mateo Feed & Fuel Co., 850 San Mateo Drive.

San Mateo & H. E. Casey Co. Spring Valley Rd. San Mateo.

THEATRES

Plans Being Figured

REBUILD Theatre Cost, \$85,000
MARTINEZ, Contra Costa Co., Calif. (State Theatre)

Rebuild Theatre recently destroyed by fire.

Owner—T. & D. Junior Enterprises, (M. A. Naify, Pres.) 25 Taylor St. San Francisco.

Architect—Reid Bros. 105 Montgomery St., San Francisco.

Bids are being taken by owner.

No new plans will be prepared for the rebuilding of the structure but the original plans prepared by Reid Bros. will be used.

MARTINEZ, Contra Costa Co., Cal.,—State Theatre, owned by the T & D Junior Enterprises, M. A. Naify, President erected in 1926 at a cost of \$150,000, was destroyed by fire October 8.

The loss is covered by insurance.

Sub-Bids Wanted.

RESIDENCE Cost, \$11,500
BERKELEY, Alameda Co., Cal. Claremont Pines.

Two-story and basement frame and rustic residence (7 rooms, 2 baths, shingle roof, electric refrigeration colored tile baths and kitchen).

Owner—Dr. Howard E. Allen, 2490 Channing Way, Berkeley.

Plans by F. Conser, E. L. Snyder, 2101 Shattuck Ave., Berkeley.

Contractor—Shapers & Brown, 1245 Berkeley Way, Berkeley.

Sub-bids are wanted on all portions of the work.

Contract Awarded.

RESIDENCE Cost, \$5893
SAN ANSELMO, Marin Co., Cal.

Two-story frame and stucco residence (7 rooms and 2 baths); shingle roof, gas heating system, hardwood floors, colored tile baths and kitchen.

Owner—Dr. Arthur Molinari, 135-A King St., San Anselmo.

Architect—W. E. Schirmer, 700 21st St., Oakland.

Contractor—William Dwyer, 146 Calumet Ave., San Anselmo.

Contract Awarded

RESIDENCE Cost, \$15,000

SAN MATEO, San Mateo Co., Cal.
 Baywood Park.
 Two-story and basement frame and stucco residence (10 rooms and 2 baths; gas heating, electric refrigeration, tile roof, tile baths and kitchen).
 Owner—Dr. Paul J. Hanzlik, 819 Prospect Ave., San Mateo.
 Plans by Grimes & Schoening, Balovich Bldg., San Mateo.
 Contractor—Thomas Cavanaugh, 235 Third Ave., San Mateo.

Plans Being Completed—Contract Awarded.
RESIDENCE. Cost, \$7,500
SAN FRANCISCO—St. Francis Wood.
 Two-story and basement frame and stucco residence (7 rooms, 2 baths) full tile roof, gas heat, electric refrigeration, colored tile baths and kitchen, hardwood floors and trim, etc.] Spanish type.
 Owner—W. J. Dawson.
 Architect—Not Given.
 Contractor—C. Gellert, 218 Castaneda

Bids Opened.
REMODELING
OAKLAND, Alameda Co., Calif., 4429 Bridgeview Drive.
 Alterations and additions to two-story frame and stucco residence (add reinf. conc. and wood frame wing, two rooms, tile roof, steel sash, plumbing, drain tile, painting and decorating).
 Owner—Ester Robinson, 1st National Bank Bldg., Oakland.
 Architect—Guy L. Brown, American Bldg., Oakland.
Low Bidder—James B. Petersen, 4021 Agua Vista Ave., Oakland, \$1,754
 Only other bid submitted by J. H. Bishop, Oakland at \$1,994.

Plans Being Prepared
RESIDENCE Cost, \$25,000
SAN MATEO, San Mateo Co., Calif., Baywood Park.
 Two-story and basement frame and stucco residence, (tile roof, gas heat, electric refrigeration, hardwood floors and trim, colored tile baths and kitchen.)
 Owner—Name withheld.
 Architect—Treichel and Goodpastor, American Bldg., Oakland

WHARVES AND DOCKS

Contract Award Cont. Price \$6,932
DOORS
SAN FRANCISCO, Pier No. 39
 Seven steel rolling doors in bulkhead building.
 Owner—State of California (Harbor Commission, San Francisco.
 Engineer—Frank White, Ferry Bldg., San Francisco.
 Contractor: Gunn Carle & Co., Ltd. 444 Market St.

MISCELLANEOUS CONSTRUCTION

MARTINEZ, Contra Costa Co., Cal.—City council plans immediate construction of municipal tennis courts on city-owned property in Brown St., near Pacheco Blvd. Construction will be started when money become available from tax funds.
TURLOCK, Stanislaus Co., Cal.—Rex Ish Post No. 88, American Legion, has purchased additional property adjoining the present Legion field and will improve the site by planting and extension of the present steel fencing.
PASADENA, Los Angeles Co., Cal.—The Pasadena city board of directors has authorized the city clerk to advertise for bids for sound picture and public address system to be in-

stalled in the new municipal auditorium.

Contract Awarded — (Complete Bid Listing)
RETAINING WALL Cost, \$11,740
TAFT, Kern Co., Cal.
 Reinforced concrete retaining wall.
 Owner—Taft Union High School Dist. Architect—W. H. Weeks, 525 Market St., San Francisco.
 Contractor—G. A. Graham, 613 19th St., Bakersfield.

Complete list of bids received as follows:
 G. A. Graham, 613 19th St., Bakersfield\$11,740
 Dean & Stroble, Box 192, Bakersfield, California11,995
 Currie & Dulgar, Bakersfield12,350
 R. McGary, Taft12,500
 M. M. Butler, Ventura12,943
 Opperman & Hullet13,220

SAN FRANCISCO, D. E. Burgess, 282 7th St., at \$757 awarded contract by State Board of Harbor Commissioners to paint subway in front of Ferry Building. Following is a complete list of bids received.
 D. E. Burgess, S. F.\$757
 J. A. Mohr & Son, S. F.875
 Cramer Bros., S. F.885
 Edwin Andersen, S. F.1,040
 H. C. Lovett Co., Oakland1,424
 Aristo Painting Co., S. F.1,497

SAN FRANCISCO—Until Oct. 21, 2:30 P. M. bids will be received by S. J. Hester, secretary, Board of Public Works, to construct a concrete apron extension at the Mills Field Municipal Airport under Contract No. 27. Estimate cost \$1,200. Certified check 10% payable to clerk of the Board of Supervisors required with bid. Plans obtainable from Bureau of Engineering, 3rd floor, City Hall.

SAN MATEO, San Mateo Co., Cal.—Southern California interests are conferring with the Eastside Improvement Club with a view to securing the endorsement of that organization in the construction of a \$250,000 mausoleum. Preliminary plans for the structure have already been prepared and were recently submitted to the city council. Approval of the council was withheld pending the knowledge of the attitude of the residents in the East side section.

Plans Being Prepared.
MONUMENT, ETC. Cost, \$150,000
SAN FRANCISCO, Telegraph Hill.
 Development of Telegraph Hill (monument, concrete approaches, concrete ornamental fence, steps, landscaping, etc.)
 Owner—City and County of San Francisco.
 Architect—Arthur Brown Jr., 251 Kearny St., San Francisco.

OAKLAND, Ala. Co., Calif. Commercial Painting Co. 3906 Mission St. San Francisco at \$2,270 awarded contract by County Supervisors for painting the Fruitvale Ave. Bridge. Only other bid was submitted by D. E. Burgess, San Francisco at \$2,290

WILLIAMS, Glenn Co., Cal.—Bids will be asked shortly by county supervisors to construct new Princeton Ferry. Specifications obtainable from the clerk.

OAKLAND, Cal.—City Port Commission, Grove Street Pier, rejects bids adjustable floating ram at Inland Waterways Terminal at the foot of Webster street, estimated cost \$2000. Will be purchased in the open market. G. B. Hegardt, secretary of commission.

Preparing Plans.
CAFFETTERIA Cost, \$75,000
BEVERLY HILLS, Los Angeles Co., Cal. SW Wilshire Blvd. and Reeves St.
 Brick cafeteria (53x134 feet); structural steel, wrought iron, incinerator, refrigeration, etc.
 Owner—Fern Cafeteria, Third and Hill Sts., Los Angeles.
 Architect—Harley J. Hoyt, 1414 Club View, Los Angeles.

SAN JOSE, Santa Clara Co., Cal.—John D. Carlson, 1331 Sierra Ave., San Jose, at \$5945 awarded contract by city council to construct reinforced subway under Santa Clara St. opposite the Horace Mann School near Seventh St. Bids follow:
 John D. Carlson, San Jose.....\$5945
 R. O. Summers, San Jose.....6252
 Granite Constr. Co., Watsonville.....6883
 Nevers & Harp, Santa Clara.....7939
 Thermotte Constr. Co., San Jose 8235
 Ralph Hunter, Sacramento.....9145

SAN JOSE, Santa Clara Co., Cal.—R. O. Summers, 17 N-Firist St., San Jose, at \$6054 awarded contract by city council to construct reinforced Park Ave. at Randol Ave. Bids follow:
 R. O. Summers, San Jose.....\$6054
 John D. Carlson, San Jose.....6510
 Granite Constr. Co., Watsonville 6640
 Ralph Hunter, Sacramento.....7467
 Thermotte Constr. Co., San Jose 7687
 Nevers & Harp, Santa Clara.....8450

SAN FRANCISCO, Calif. — J. T. Thorpe & Son, 417 Market Street, at \$2,731 awarded contract by the Regents of the University of California for the installation of mechanical equipment in the incinerator bldg., at the University of California Campus, Third & Parnassus Aves.

BUSINESS OPPORTUNITIES

Mr. Hunter, Lukenback Steam Ship Co., 310 California St., San Francisco, represents a firm desiring to find market for wood excelsior in this territory.

Chas. Davis, Midwest Sales Co., Kansas City, Mo., with factory sales agents covering six states in the Kansas City trade area are interested in securing one or two local merchandisers.

J. W. Spiker, Melatol Laboratories, Butler Bldg., San Francisco, manufacturing chemists wish to secure representative for the San Francisco Bay district or Southern California district.

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WISCONSIN INSURANCE RATE INCREASED 24

Workmen's compensation Insurance rates in Wisconsin will be increased approximately 24 per cent over the rates effective on May 1st of this year, according to an announcement from the Wisconsin Compensation Rating and Inspection Bureau at Milwaukee.

The rate revision providing for this increase, includes 10 per cent to care for the increased benefits to workers under the amendments to the compensation act, effected by the 1931 Wisconsin legislature. Because of the unfavorable experience in the past, there has been an increase of 5.5 per cent in the rate level.

The revised rates also include a "trend and contingency factor" which amounts to 7.5 per cent.

FINAL DRAFT OF UNIFORM MECHANICS LIEN LAW APPROVED

A 12,000-word draft of a uniform mechanics lien law proposed for adoption by the various states, was given approval by the National Conference of Commissioners on Uniform State Laws at Atlantic City September 10. The vote by states was 26 to 6, those recorded in the negative being Massachusetts, Mississippi, Nebraska, North Carolina, Tennessee and Vermont. The draft of the proposed law will not be promulgated until 1932.

The draft of the law as adopted represents six years of study of the problems involved and is the third draft prepared. It is the joint product of a committee of the National Conference of Commissioners on Uniform State Laws and the Standard State Mechanics Lien Law Act Committee of the Department of Commerce, appointed in 1925 by Herbert Hoover when he was Secretary of Commerce. The fifth draft of the proposed law was approved by representatives of six years of study of the problems involved in the building industry but was recommended to its committee by the National Conference last year because of objections raised to penal provisions which it contained. These have been retained in the final draft.

Plan to Save Litigation

Considerable time was given to discussion of the report of the committee by the National Conference. It was stated there had been no question raised as to the desirability of a uniform law for the various states. Chas. V. Imlay of the District of Columbia, chairman of the committee in charge of the matter stated, according to a report of the Conference in the United States Daily, that the principal feature of the measure is the provision for the payment of claims of laborers and material men without resort to the formal filing of lien claims in court, thus permitting progress payments and avoiding litigation. The measure provides for filing with the owner of notices by those furnishing labor or material on a building project, upon which, subject to certain prescribed limitations, payments may be made by the owner and such payments deducted from the amount of the contract price due the principal contractor.

This notice provision, while existing in some states, is usually not covered by mechanics' lien laws, Mr. Imlay said. Under the provision, three priorities in the order of payments by the owner of the property being improved are made. In the first class are included all laborers, who may be paid without the necessity of filing notices; in the second class are placed other lien claimants who file notices within 30 days after commencing their work, and in the third class are included other lien claimants filing notices outside the 30-day period.

Another feature not usual in mechanics' lien laws, Mr. Imlay said, is that making it a penal offense to misapply funds and to furnish false statements required under the act.

Criticism was made during the discussion that the act, approximately 12,000 words in length, was too long and complicated and therefore it would be difficult to secure its passage by State legislatures. Committee members explained that in compromising the different interests of building trades and allied organizations involved, it was necessary that their obligations and rights be stated at some length. The act was claimed to be "precise and clear."

It would permit, it was explained, owners of property, contractors, ma-

terial men and laborers to solve difficulties arising during the building operations, without resort in many instances, to court action.

Review of Proposed Law

In a brief review of the proposed act given to the U. S. Daily at Washington, Mr. Imlay said it would permit the filing of notices of lien claims and the payment of such claims by the owner of the property being improved, before any court proceedings to enforce such liens would ordinarily be begun. Claimants would be given the privilege under the act to file notice within 30 days after beginning labor or services or furnishing materials, with the owner of the property of their intent to claim a lien. Provision is also made for junior rights for those who give notice after the 30-day period.

The provisions of the present draft, differing from former drafts, would permit the owner to pay laborers regardless of whether they file or do not file notice, according to Mr. Imlay. The owner would also be permitted to make progress payments to those filing notices within the 30-day period.

"Under the present draft," Mr. Imlay pointed out, "if at any time after deducting all money previously properly paid by the owner on the direct contract there remain of the contract price a sum sufficient to pay laborers and those giving notices, the owner can pay each claimant as he presents his claim. In the former draft, the effect of the notice filed by the claimant was merely to require the owner to retain the amount claimed for a later prorated distribution among all claimants of the same class. As regards claimants filing claims outside the 30-day period, the owner may not pay them without regard to subsequent claims of the same class, but must prorate his payments among all claimants of that class."

Priority of Liens

A new section incorporated in the proposed uniform law defines the procedure to be followed by the court in allowing claims within the aggregate amount of the contract price. It provides that liens shall be allowed in the following order: 1. Liens of all laborers; 2. liens of all lienors who shall have given the owner notices; 3. liens of all other lienors except the contractor; and 4. liens of the contractor. "Should the aggregate amount for which liens under any direct contract may be allowed be less than the total amount of liens under such contract in all classes above mentioned," it is provided, "all liens within any single class shall be allowed for their full amounts before any liens shall be allowed within any subsequent class."

The matter of making progress payments to those except the contractor furnishing services and material who have filed notices of their intention to claim liens, and also to laborers, "is in the discretion of the owner under the provisions of the act," Mr. Imlay stated. "If he sees fit not to make progress payments, but retains the funds due under the contract, which he may do, then the balance of the contract price in his hands is distributed by the court in accordance with this new section."

An alternative provision makes it possible for the contractor to file a bond conditioned to pay all liens. In such a case, the provisions for filing notices of claims for liens and the payment by the owner of such claims are not operative.

Penal provisions making the misapplication of funds and the furnishing of false statements criminal offenses have been retained in the act, despite some objections made at the last meeting of the National Conference. They are substantially the same as in the former draft, Mr. Imlay explained, except that they omit that provision making the furnishing of a false statement prima facie evidence of intent to defraud.

"On the general question of whether the penal provisions should or should not be retained," Mr. Imlay said, "the committee has seen fit to retain them and to ask the Conference to retain them."

PIPE LINE PROJECT TO AVOID LAY-OFF

Confronted with a surplus of several hundred employees, the Standard Oil Company of California has decided to proceed with \$500,000 project to avoid a cut in personnel.

Construction will begin immediately on an additional pipe line from Kettleman Hills oil fields to the company's marine terminal at Estero Bay, on the coast line near San Luis Obispo.

The pipe line will cost \$500,000 to build and will keep from 200 to 500 men employed throughout the winter months. In addition, the men will be employed on a four-day week basis in order to spread the work among the greatest possible number.

Construction of the pipe line has been moved more than a year and a half ahead of schedule in order to keep the men employed.

Otherwise, the surplus employees would have been discharged, adding to the serious unemployment condition.

In making the announcement, the company stressed the fact that it has sufficient workers in its own ranks and that outside assistance will be required.

C. D. WAILES ELECTED CHIEF OF P. C. B. O. C.

C. D. Wailes of Long Beach was elected president of the Pacific Coast Building Officials Conference at the tenth annual convention of that body in Berkeley last week. Stanley P. Koch of Berkeley is retiring president.

A. J. Bird of Vancouver, B. C., was elected first vice-president and W. H. Curtis of Stockton, Calif., was chosen second vice-president. Executive committee members elected include A. J. Hurley of Richmond, Cal.; C. B. Pickett of Coronado, Cal.; R. W. Rundlett of Eugene, Ore.; W. D. Pinney of Salt Lake City, Utah; O. S. Moore of Austin, Texas; C. L. Banker of Modesto, Cal.; P. A. Spangenberg of Boise, Idaho, and J. H. Parks of Compton, Cal.

M. C. Woodruff, San Jose building inspector, was chairman of the nominating committee.

The five-day conference featured group discussions of the uniform building code and technical questions.

Vancouver, B. C., was chosen as the 1932 convention city.

A new type of store and window lighting, developed by Claude Neon Lights, Inc., after four years of research, will be marketed on the Pacific Coast by Electrical Products Corporation. It is said that the new equipment closely approximates daylight in producing true color values, with low cost of operation.

Engineering News Section

BRIDGES

PLACERVILLE, El Dorado Co., Cal. J. E. Fitzsimmons, Lodi \$2,100 awarded contract by county supervisors to construct and erect steel bridge across the North Fork of the Cosumnes River near Nashville. Work consists of concrete approach abutments, and erecting thereon the old Nashville steel bridge span, together with a new floor. Complete list of bids follows:
J. E. Fitzsimmons, Lodi \$2,100
Hector Williams, Placerville 2,750
J. E. Morton, Placerville 2,910

QUINCY, Plumas Co., Cal.—M. A. Jenkins, 3560 Y St., Sacramento, at \$7374 awarded contract by county supervisors to construct Grays Flat Bridge. Complete list of bids follow:
N. A. Jenkins, Sacramento \$7,374
Spanish Peak Lumber Co., Spanish Ranch, Calif. 7,458
W. W. Goff, Quincy 7,895

SAN FRANCISCO, California—Barrett and Hilp, 918 Harrison st., at \$552,590 awarded contract by Board of Public Works to construct a Strauss Steel Trunnion Bascule Bridge, including substructure and approaches over the Channel Street Waterway at Third Street. Estimated cost \$600,000. State Board of Harbor Commissioners will pay a portion of the cost.

FAIRFIELD, Solano Co., Calif.—County Engineer F. A. Steiger will file application with the U. S. War Department seeking authorization to construct a draw bridge over Minor Slough, at the north end of Ryer Island. Preliminary plans have been prepared for the structure.

SACRAMENTO, Cal.—State Highway Commission has instructed C. H. Purcell, chief engineer of the commission, to co-operate with Chas. Deterding, Jr., Sacramento county engineer, in the preparation of plans for a new bridge over the Sacramento river in M. St. The state will share in the cost of construction and funds will probably be provided when the budget for the 1933-35 biennium is submitted. Construction of the new bridge approach will be a co-operative project between the state, the City of Sacramento, the counties of Sacramento and Yolo and the Sacramento Northern and Sacramento-San Francisco railroads.

VENTURA, Ventura Co., Cal.—Until Nov. 2, 10 A. M., bids will be received by L. E. Hollowell, county clerk, to construct reinforced concrete bridge on Aliso Road in Wheeler Canyon, involving:

- (1) 165 cu. yds. class A concrete;
 - (2) 16,000 lbs. reinf. steel;
 - (3) 108 ft. guard rail.
- Plans obtainable from Chas. W. Pettit, county surveyor.

STOCKTON, San Joaquin Co., Cal.—Bids will be asked shortly by the county supervisors for reconstruction of the draw span protection work on the Old River Bridge, $\frac{3}{4}$ miles west of Holt, connecting the mainland of Contra Costa County with Victoria

Island. The cost is estimated at \$8,000 and will be borne by San Joaquin and Contra Costa Counties. Julius Mantley is county surveyor of San Joaquin County and R. R. Arnold, county surveyor of Contra Costa County.

STOCKTON, San Joaquin Co., Calif.—J. N. Kristich, Knightsen, Calif., at \$2,350 awarded contract by County supervisors to construct a reinforced concrete bridge over the main canal of the south San Joaquin Irrigation District on the Victory Road. Following is a complete list of bids:
J. N. Kristich, Knightsen \$2,350
Pacific Properties & Con. Co. 3,325
Nelson Bros 3,339
A. L. Aldrian & Anderson, Turlock 3,411
Gus Bryant 3,425
Pacific Construction Co. 3,690

MODESTO, Stanislaus Co., Calif.—Harry Brown, Laurel and Emerald Sts. Modesto, at \$2,398 awarded contract by county supervisors to construct retaining wall at bridge over Hood Creek on the Milton Road in Road District No. 1. Bids follow:
Harry Brown, Modesto \$2,398
Bodenhamer Con. Co., Sac. 2,441.50
F. A. Rande 2,581
Frank Bryant, S. F. 2,634
Nelson Bros 2,679
Aldrian & Anderson, Turlock 2,773.75
Pacific Properties Con. Co., Oakland 2,795
John Kristich, Knightsen 2,967.19
Pacific Construction Co., S. F. 2,994.50
Engineer's estimate 2,817

HUMBOLDT County, Cal.—Until November 4, 2 p. m. bids will be received by State Highway Commission to reconstruct existing bridge across Eel River at Robinsons Ferry about 19-miles north of Dyerville, consisting of twenty-two 24-ft. timber trestle approach spans on pile bents, and three 250-ft. steel truss spans by removing the timber approach spans and constructing twenty-three 19-ft. timber trestle approach spans on timber pile bents also removing timber stringers and floor of the steel truss spans and placing new timber stringers and laminated floor.

SAN JOSE, Santa Clara Co., Cal.—Until November 2, 11 A. M., bids will be received by Henry A. Pfister, County Clerk, to construct reinforced concrete culverts as follows: Two culverts on Moody Rd. and Robleida Ave.; culvert on Dunlan Ave., near Furlong Rd. in Supervisors' District No. 1; two reinforced concrete culverts at the intersection of Arnew and Coffin Roads. Robert Chandler, county surveyor.

YREKA, Siskiyou Co., Cal.—County Supervisors have ordered execution of an agreement covering the construction of a bridge across the Klamath River at a point below Oak Knoll Ranger Station (at Heglers). The project will be financed by Siskiyou County, the state and the U. S. Forest Service.

GLENN COUNTY, California—E. C. Martin, 827 24th St., Sacramento, at \$8,117.65 submitted low bid to State Highway Commission for removing timber deck and rails of three stringer

bridges across draws between 20 and 22-miles east of Willows and constructing laminated timber floor, timber rails and adding steel stringers. See complete list of unit and totals bids received on this project in a separate tabulation on page five of this issue.

SANTA BARBARA COUNTY, Cal.—State Highway Commission on October 8 accepted the contract for repairing a bridge across the Santa Ynez river, one mile south of Buellton, on the coast highway. Neves & Harp, contractors, \$18,200.

DREDGING, HARBOR WORKS & EXCAVATIONS

STOCKTON, San Joaquin Co., Cal.—Hydraulic Dredging Co., Ltd., Central Bank Bldg., Oakland, at \$1238 cu. yd. submitted lowest bid to U. S. Engineer Office, California Fruit Bldg., Sacramento, for dredging approximately 1,289,000 cu. yds. of material in the Stockton 26-ft. Channel Prism (Part 3) from the mouth of Burns Cut-off to the vicinity of El Dorado Pump on Roberts Island, a distance of approximately 1.9 miles in the San Joaquin River. Bids follow:

Hydraulic Dredging Co., Ltd. \$1238
Oakland \$1238
San Francisco Bridge Co., S. F. \$125
Standard Dredging Co., Oakland \$1294
Longview Dredging Co., Rio Vista 14

LOS ANGELES, Cal.—Contracts to construct levees on the west bank of the Los Angeles River between Dayton Ave. and Fletcher Drive awarded by county supervisors as follows:

PROPOSAL NO. 1, to Geo. Rowland, 143 E. 69th St. (TW 8440), at \$8717.50.

PROPOSAL NO. 2, to C. Anli Co., 2517 5th St., Huntington Park (LA 6729), at \$45,142.

The items in these proposals are:

- PROPOSAL NO. 1
(1) 81,500 cu. yds. fill in levees, incl. all excav.;
(2) 97,500 lbs. metal drainage culverts and gates (plating).

PROPOSAL NO. 2
District to furnish cement, reinf. steel, and reinf. bars for concrete blocks.

- (1) 410,000 sq. ft. Gunting levee slopes and special Guite work complete;
- (2) 305,000 sq. ft. pre-cast conc. block toe mat complete.
- (3) 210 cu. yds. reinf. conc. drainage structures and misc. reinf. conc. structures incl. excav.

VENTURA, Ventura Co., Cal.—Until Nov. 3, 10 A. M., bids will be received by L. E. Hollowell, county clerk, for excavation of a channel in the Santa Clara River bed for the protection of the South Mountain Road, involving: 24,700 cu. yds. excavation.
Chas. W. Pettit, county surveyor. 21

OAKLAND, Cal.—City Port Commission Grove Street Pier, rejects bids adjustable floating ram at Inland Waterways Terminal at the foot of Webster street; estimated cost \$2000. Will be purchased in the open market. G. B. Hegardt, secretary of commission.

IRRIGATION PROJECTS

TURLOCK, Stanislaus Co., Cal.—H. Johnson. Turlock, at \$5,339.08 awarded contract by Turlock Irrigation District for concrete lining Cross Ditch No. 1, involving 91,763 sq. ft.

Pacific Properties and Construction Co., Oakland, awarded contract for 48,763 sq. ft. of concrete lining on a portion of later No. 8.

TURLOCK, Stanislaus Co., Cal.—Until October 26, 4 p. m. bids will be received by Anna M. Sorenson, secretary, Turlock Irrigation District for cement canal lining on the Mountain View Ditch in Imp. Dist. No. 9; also for similar work on the Phillips ditch at Hughson. Specifications obtainable from the secretary.

TURLOCK, Stanislaus Co., Cal.—Ed Erickson, Route 4, Box 744, Modesto at \$2,500.80 awarded contract by Turlock Irrigation District for cement lining the Hayer-Jennings ditch in Imp. Dist. No. 74.

Aldrin and Anderson, P. O. Box 222, Turlock, at \$4,106.54 was awarded contract for cement lining the south branch of the Eddy Ditch in Imp. Dist. No. 57.

CALIFORNIA—Following applications for permits to appropriate water were filed with the State Department of Public Works, Division of Water Rights, during the month of September, it is announced by Edward Hyatt, state engineer:

Application 7067 (Trinity County) Buckeys Placer Mines, Inc., % N. W. Curson, President, Carville, Calif., for 15 c. f. s. and 500 ac. ft. per annum from Little Boulder Creek for mining purposes. Est. cost \$12,500.

App. 7068 (Siskiyou Co.) L. E. Hallford, Happy Camp, Calif., 3 c. f. s. from Phillips Gulch for mining purposes. Est. cost, \$2000.

App. 7069 (Lake Co.) E. P. Smith, Lakeport, 0.2 c. f. s. and 5 ac. ft. per annum from an Unnamed Stream tributary to Clear Lake for irrigation and domestic purposes (30 acres). Est. cost \$1,000.

App. 7070 (El Dorado Co.) George E. De Golia, 5960 Contra Costa Rd., Oakland, 200 gallons per day from Unnamed Stream for domestic purposes.

App. 7071 (Stanislaus Co.) Joe V. Cardoza, % Nathan B. McVay, Atty., California Bldg., Modesto, 1.0 c. f. s. from Stanislaus River for irrigation purposes, (80 acres). Est. cost \$1500.

App. 7072 (Nevada Co.) Relief Hill Mining Co., % Fletcher Hamilton, Agent, North Bloomfield, 100 c. f. s. (25 c. f. s. from each source) from (1) Rob Roy; (2) Deadman; (3) Roscoe and (4) Logan Canyons tributary to S Fork Yuba River for mining and domestic purposes.

App. 7073 (San Bernardino Co.) Arlington Mining Corporation, 740 South Broadway, Los Angeles, 0.5 c. f. s. from Arrastre Creek for mining and domestic purposes. Est. cost, \$25,000.

App. 7074 (El Dorado Co.) J. H. Blamey, 2417 22nd St., Sacramento, 200 gallons per day from Cody Creek for domestic purposes. Est. cost \$75.

App. 7075 (Trinity Co.) Lee Nafzgar, Del Loma, Calif., 6 c. f. s. from Langs Creek for mining and domestic purposes. Est. cost \$5000.

App. 7076 (Nevada Co.) Edward Bickel, P. O. Box 881, Nevada City, 15 c. f. s. from Little Greenhorn Creek for mining and domestic purposes.

App. 7077 (El Dorado Co.) R. G. Sproul and S. B. Freeborn, % S. B. Freeborn, Davis, 600 g. p. d. from Un-

named Stream for domestic purposes.

App. 7078 (Tehama Co.) Thomas J. Pellow, 409 45th St., Oakland, 0.037 c. f. s. from Unnamed Stream for irrigation and domestic purposes. (1 acre). Est. cost \$300.

App. 7079 (Ventura Co.) Harry D. Howell and Eujenja J. Howell, % Clarke & Bowker, Atty., 1216 Title Guarantee Bldg., Los Angeles, ½ miners inch (0.0125 c. f. s.) from Unnamed Spring for domestic purposes. Est. cost \$300.

App. 7080 (El Dorado Co.) E. W. Stone, 161 Ellis St., San Francisco, total of 500 c. f. s. and 125,000 ac. ft. per annum from (1) Rubicon River, (2) Pilot Creek, (3) Gerle Creek, (4) Loon Lake, (5) Buck Island Lake, (6) Rock Bound Lake, (7) Little South Fork of Robinson River for municipal purposes.

App. 7081 (Placer Co.) Butte Mining Co., % Jas. P. Sweeney, Atty., 63 Post St., San Francisco, 30 c. f. s. from West Branch of El Dorado Creek for mining purposes. Est. cost \$30,000.

App. 7082 (Plumas Co.) R. A. Snyder, F. Anderson and A. Mattson, % Wm. Watson, C. E., Quincy, 3 c. f. s. from South Fork of Poormans Creek for mining purposes. Est. cost, \$250.

App. 7083 (Tulare Co.) The Regents of the University of California, a Corp., % Calkins, Hagar, Hall and Linforth, Atty., Crocker Bldg., San Francisco, 1.0 c. f. s. from 2 small Forks Esham Creek for domestic and recreational purposes. Est. cost \$1100.

App. 7084 (Siskiyou Co.) Marshall M. Crawford, Happy Camp, Calif., for 12.5 c. f. s. from China Creek for irrigation and domestic purposes. Est. cost, \$1500. (251 acres).

App. 7085 (Sutter Co.) Fred H. Heiken, as County Treasurer of Sutter County and Trustee of the Bond Fund of Reclamation Dist. 1500, Robbins, 6.35 c. f. s. from West Dredger Cut of Sutter By-Pass for irrigation purposes. (254.135) acres. Est. cost \$3500.

STREET LIGHTING SYSTEMS

PASADENA, Cal.—H. C. Reid & Co., 109 S. Normandie Ave., Los Angeles awarded contract by city directors at \$38,825 for construction lighting system in Colorado St., between Broadway and El Molino Ave., about five blocks. The system will involve 60 Union Metal double light standards.

BERKELEY, Alameda Co., Cal.—City council has authorized the University of California to install electroliner system in Fulton St. from Allston Way to Bancroft Ave. Type of standard not determined.

SAN JOSE, Santa Clara Co., Cal.—Walker-Martin Corp., 4215 S. Western Ave., Los Angeles, at \$24,050.10 awarded contract by city council to install 66 standard electroliners and underground conduit system in First St. between San Salvador St. and Willow St. Bids follow:

Walker-Martin Corp., L. A. \$24,050.10
Roy M. Butcher, San Jose 27,546.39
A. C. Rice, Oakland 28,188.18
City Improvement Co., Berk. 28,248.15
Butte Elec & Mfg. Co. S. F. 28,924.80

MACHINERY AND EQUIPMENT

HUNTINGTON BEACH, Cal.—Until October 20, 10 a. m. bids will be received by city council to furnish one 1½ ton metal body hydraulic hoist dump truck for use of street department. Specifications on file in office of city clerk.

WILLOWS, Glenn Co., Cal.—Bids will be asked shortly by county supervisors to construct new Princeton Ferry. Specifications obtainable from from the clerk.

MADERA, Madera Co., Cal.—Until November 3, 10 a. m. bids will be received by L. W. Cooper, county clerk, to furnish and deliver one new Super-Mogul Caterpillar Grader, 12-ft. blade, weight not less than 10,385-lbs. or equal, f.o.b. Chowchilla. Specifications and further information obtainable from clerk.

BERKELEY, Alameda Co., Calif.—Until October 27, 10 a. m. bids will be received by Florence E. Turner, city clerk, to furnish one truck for the Bureau of Garbage, truck to have a capacity load of 7000 lbs. Certified check 10% payable to city required with bid.

OAKLAND, Cal.—Following bids taken under advisement by City Port Commission to furnish one Fordson Tractor:

O. R. Peterson, (used).....	\$625
Allis-Chalmers Co. (new)	900
Tynan Alexanders Motors, Ltd.	949
.....	775
Dabney and Galbrandt, (used)....	793

All bids taken under advisement.

FIRE EQUIPMENT

TORRANCE, Los Angeles Co., Cal.—Until November 3, 8 p. m. bids will be received by city council to furnish 700-ft. 2½-inch double-jacketed fire hose that will withstand 400 pounds pressure on delivery and 3-year guarantee against all defects, to be equipped with heavy expansion ring couplings. Further information obtainable from city clerk.

RESERVOIRS AND DAMS

MADERA, Madera Co., Cal.—Madera Irrigation District is considering proposal to bring gravity water into the district. Plan contemplates the construction of a dam at Friant to impound 119,000 acre feet of water at a cost of \$4,050,000 and a high line canal to the northern boundary of the district and lateral canals and ditches to cost \$4,442,900. Purchase of water from Miller & Lux and other riparian claimants, to cost \$1,965,000 is also contemplated under the plan. Other items will include the expenditure of \$1,400,000 for a power plant and pumping plants to cost \$458,300. In all the project calls for a total expenditure of \$14,601,114 or an average cost per acre of \$32.73. With the participation of the San Joaquin Light & Power Corporation which would be asked to build the dam and power house, the cost to the district would be approximately \$8,600,000 or \$49.01 per acre.

SAN JOSE, Santa Clara Co., Cal.—Directors of the Santa Clara Valley Water Conservation District propose to submit a \$6,000,000 4½ per cent 25-year bond issue to the voters, probably about the middle of November, to finance construction of five detention reservoirs. Preliminary surveys and estimates of cost prepared by Fred H. Tibbets, consulting engineer of San Francisco, calls for the construction of reservoirs on each of the following creeks: Coyote, Calero, Almaden, Guadalupe and Stevens. The Coyote reservoir is to have a capacity of 60,000-acre feet; the Almaden dam to contain 2500-acre feet; the Calero 9000-acre feet; the Guadalupe 3500-acre feet and the Stevens Creek storage place, 4000-acre feet.

PASADENA, Cal.—Samuel R. Morris chief engineer and city water super-intendent, announces excavation work on the Pine (Canyon) Dam will be started shortly. Project involves 550,000 cu. yds. (all hand labor). Dam is located in Pine Canyon, a tributary to San Gabriel Canyon about four miles above Azusa, will be a gravity type structure, 265 ft. in height above stream bed, and 750 ft. in length across the top. It will impound approximately 40,000 acre feet. The total estimated cost is \$5,770,000. The plans, which have been approved by the state engineer were prepared by Cecil E. Pearce of the city water department engineering force, under the direction of the chief engineer, Samuel B. Morris.

ANTIOCH, Contra Costa Co., Cal.—U. B. Lee, San Leandro, at \$952 was awarded contract by city council to remove tiles from Antioch reservoir involving removal of 4000 cu. yds. of dirt and construction of levee. Other bids:

Fred Kuckuk, Stockton.....\$1,040
Rundesen & Lauritzen, Pittsburg 1,350

DALY CITY, San Mateo Co., Cal.—E. G. Hart, 666 Mission St., San Francisco St., San Francisco, at \$8.45 cu. yd. awarded contract by city council for furnishing and placing approximately 100 cu. yd. cement concrete in existing forms at the reservoir site on the top of the hill south of the Crocker Estate Tract Subdivision. Other bids were:

John Stura.....\$8.54
A. Matson.....10.52
Cement Gun Construction Co., 58 Sutter St., San Francisco, at \$3025 awarded contract for concrete lining of water reservoir. Other bids were:

Irving L. Ryder.....\$3,710.
Clinton-Stephenson Con. Co. 4,200.

PIPE LINES, WELLS, ETC.

SAN LUIS OBISPO, Cal.—Standard Oil Co., will commence construction at once on a \$500,000 pipe line from the Kettleman Hills oil field to the company's terminal at Estero Bay, on the coast line near San Luis Obispo. The construction is being undertaken with a view to relieving unemployment and preventing lay-offs of the company forces. Only those employees now engaged by the company will be employed on the work.

ALAMEDA, Alameda Co., Cal.—Following bids received by Constructing Quartermaster, Benton Field Air Depot, Alameda, for drilling and testing a 12-in. well:

Wilkinson & Co., Gilroy, Calif., \$3,475.

Western Well Drilling Co., Inc., San Jose, alt. bids, \$5057.50 and \$7190.
J. M. Ough, Oakland, \$6620.95.

SEWERS AND SEWAGE DISPOSAL PLANTS

PALO ALTO, Santa Clara Co., Cal.—City council has authorized the construction of storm water sewers in Ramona st. between University and Hamilton aves., and in Hamilton ave. between Ramona and Emerson sts. J. F. Byxbee, city engineer.

SAN LUIS OBISPO County, Cal.—William Lane, 623 - 19th St., Paso Robles, at \$1,878.14 submitted low bid to district engineer, State Highway Commission, for additions to sanitary sewer and water systems at Arroyo Grande. See "Waterworks", this issue, for complete list of lump sum bids received.

REDLANDS, San Bernardino Co., Cal.—Until October 21, 2 P. M., bids will be received by C. P. Hook, city clerk, to furnish and deliver sewer pipe, as follows:

(1) 5,500 ft. 15-in.

(2) 5,500 ft. 12-in.

(3) 7,500 ft. 18-in.

SIGNAL HILL, Los Angeles Co.,—Currie Engineering Co., Anderson Bldg., San Bernardino, commissioned by city council to prepare plans for new sewage disposal plant; estimated cost \$70,000. Will be of the trickling type and will probably have a water purification plant in conjunction in order that the effluent may be used. The latter plant is estimated to cost \$5000. The sewage collection system which will be built separately, will cost between \$40,000 and \$50,000.

BOULDER CITY, Nev.—Stearns-Rogers Manufacturing Co., 1718 California St., Denver, Colo., at \$8,485 submitted low bid to U. S. Bureau of Reclamation to construct sewage disposal plant at Boulder City, involving: 1000 cu. yds. excav., common; 450 cu. yds. excav., solid rock; 150 cu. yds. backfill; Construct sewage disposal plant, complete. The sewage disposal plant will consist of reinforced concrete clarifier and digester tanks, a sludge pump chamber and a one-story brick building, 27x28 ft., erected over the digester tank and pump chamber.

Stearns-Rogers Mfg. Co., at \$29,445 low bidder to construct pumping plant in connection with same project: 1800 cu. yds. excav., common; 1400 cu. yds. excav., solid rock; 250 cu. yds. backfill.

Complete list of bids received on this unit follows:

C. Dudley De Velbiss, San Francisco, \$42,737.50.

Kemper Constr. Co., Los Angeles, \$44,901.74.

James J. Burke, Co., Salt Lake City, \$45,540.

Lee C. Mahony, Las Vegas, \$57,750.

New Mexico Construction Co., Albuquerque, N. M., \$72,850.

The water purification plant will consist of a series of reinforced concrete tanks, chambers and compartments constructed principally below the ground level, with a two-story building, 19x54 ft., over a portion of the concrete work. The building will have a tank tower at one end and two one-story wings over the other portions.

LAS VEGAS, Nev.—Until October 28, 3 P. M. bids will be received by Mrs. Viola Burns, city clerk, to construct sanitary sewer system and disposal plant for which bonds of \$160,000 were voted to finance.

Bids on the SEWER MAINS will be taken on both vitrified clay and concrete pipe. The estimated quantities are:

(1) 6,720 ft. 8-in. pipe;

(2) 15,000 ft. 10-in. pipe;

(3) 5,880 ft. 12-in. pipe;

(4) 6,600 ft. 15-in. pipe;

(5) 2,930 ft. 18-in. pipe;

(6) 1,700 ft. 21-in. pipe;

(7) 102 manholes;

(8) 3 flush tanks;

(9) 90 8x6-in. wyes;

(10) 220 10x6-in. wyes;

(11) 50 12x6-in. wyes;

(12) 110 15x6-in. wyes;

(13) 70 18x6-in. wyes;

(14) 20 21x6-in. wyes;

TRENCHING ITEMS are as follows:

(15) 1780 ft. 6-ft. or less;

(16) 10,570 ft. 8 to 8 ft;

(17) 15,740 ft. 8 to 10 ft;

(18) 5600 ft. 10 to 12 ft;

(19) 2000 ft. 12 to 14 ft;

(20) 2350 ft. 14 to 16 ft;

(21) 560 ft. 16 to 18 ft;

(22) 100 ft. 18 to 20 ft;

(23) 3500 cu. yds. loose rock excavation;

(24) 10,500 cu. yds. solid rock.
Alternate bids will be taken on two types of disposal plant, as follows:

DISPOSAL PLANT No. 1
Consisting of by-pass manhole, screen chamber, incinerator, clarifications tank and clarifier mechanism, digestion tank with apparatus and housing, sludge drying beds, pump house, pump and motor, chlorinator chamber and chlorinator apparatus with drains, valves, fittings, machinery and non-climbable fencing.

DISPOSAL PLANT No. 2—Alternate
Consisting of by-pass manhole, screen chamber, incinerator, reverse flow Imhoff tanks, sludge drying beds, chlorinator chamber and chlorinator apparatus, outlet sewer, pump house, sludge pump, and motor, tools, piping, drains, valves, fittings, fencing, etc. Each bid is to be accompanied by a certified check for \$7000. A. R. Thompson, city engineer. Webster L. Benham Engineering Co., Oklahoma City, Okla., consulting engineers. Plans are obtainable from the city clerk on deposit of \$50 on which \$10 is returned.

VENTURA, Ventura Co., Cal.—Until Nov. 3, 10 A. M., bids will be received by L. E. Hallowell, county clerk, for excavation and concrete lining of a storm water ditch in Telegraph Road, at the south city limits of Santa Paula, involving:

(1) 2800 cu. yds. excavation;

(2) 50,600 sq. ft. concrete lining.

Plans obtainable from Chas. W. Pettit, county surveyor.

VENTURA, Ventura Co., Cal.—Until Nov. 3, 10 A. M., bids will be received by L. E. Hallowell, county clerk, to construct concrete storm water pipe in Telephone Road at Harmon Baranca, involving:

(1) 550 ft. 20-in. concrete pipe;

(2) 74 ft. 18-in. corr. iron pipe;

(3) 5.5 cu. yds. class A concrete;

(4) 75 lbs. reinf. steel;

(5) 110 lbs. structural steel;

(6) 500 ft. B. M. O. P. timber.

Plans obtainable from Chas. W. Pettit, county surveyor.

YAKIMA, Wash.—City Council will call an election shortly to vote bonds of approximately \$200,000 to finance construction of a sewage disposal plant. The project has the endorsement of the Chamber of Commerce.

EL CENTRO, Imperial Co., Cal.—City council approved report to Phil Knight, city engineer, recommending construction of new outfall sewer; estimated cost, \$177,000. Project involves use of a portion of present sewer line about 1.75 miles long, installation of a pumping plant and construction of 7500 ft. of cast iron pump line. The remaining 2900 feet will be of vitrified clay pipe with acid proof joint material. Included in the \$177,000 is a cross-town line east and west along the north city limits of El Centro to provide an intercepting sewer south on Imperial Ave. Burns-McDonnell-Smith Engineering Corp., 422 Western Pacific Bldg., Los Angeles, is acting as consulting engineer.

SANTA BARBARA, Cal.—City Engineer E. B. Brown recommends preparation of plans for main trunk line sewer to serve the La Mesa District. Petitions urging the work are being circulated.

WATER WORKS

PLACENTIA, Orange Co., Cal.—City council plans construction of municipal water system. A bond issue for \$50,000 is contemplated to finance the project. George Bates, city engineer.

LOS ANGELES Consolidated Steel Corp., 1209 N. Main St., awarded contract by city purchasing agent, at \$5.35 per lin. ft., for 1200 lin. ft. laying lengths, 30-in. diameter, welded steel water pipe, under Specification No. 2829, f. o. b. trenchside.

BREA, Orange Co., Cal.—City council sets Oct. 27 as date to vote bonds of \$20,000 to finance completion of the water works system. Grace L. May is city clerk.

SAN DIEGO, Cal.—Until October 23, 11 a. m., bids will be received by Public Works Officer, 11th Naval District, to furnish and install pumps at Destroyer Base and Training Station under Specification No. 666. Specifications obtainable from above.

BEVERLY HILLS, Los Angeles Co., Cal.—Until October 27, 8 p. m. bids will be received by city council to furnish and install one recording water meter. Specifications on file in office of city clerk were prepared by Salisbury, Bradshaw and Taylor, consulting engineers, Petroleum Securities Bldg., Los Angeles.

SUNNYVALE, Santa Clara Co., Cal.—George B. Moore, 531 Stanford Ave., Palo Alto, and Geo. B. Huston, 422 Arques st., Sunnyvale, are among contractors figuring the garage and water system at the Sunnyvale Dirigible Base and desire sub-bids in connection with the project. Bids for this work will be opened by the Public Works Officer, Twelfth Naval District, 100 Harrison st., San Francisco, October 21.

SAN LUIS OBISPO County, Cal.—William Lane, 623 19th Street, Paso Robles, at \$1,878.14 submitted low bid to district engineer, State Highway Commission, San Luis Obispo, for additions to the existing sanitary sewer and water systems at Arroyo Grande in San Luis Obispo county. Total bids follow:
William Lane, Paso Robles\$1,878.14
E. Pecel, Los Angeles1,917.10
Santa Maria Con. Co., S. M.2,116.20
Fredrickson & Watson, Oak... 2,308.00

SAN FRANCISCO — Until October 28, 2:30 p. m. bids will be received by S. J. Hester, secretary, Board of Public Works, to furnish and deliver butterfly and relief valves for the San Joaquin Valley Pipe Line, Hetch Hetchy Aqueduct, involving:

- (1) 2 automatic synchronous stop and relief valves;
 - (2) 1 automatic pressure valve;
 - (3) 1 60-inch butterfly valve.
- Certified check 10 per cent payable to clerk of the board of supervisors required with bid. Plans obtainable from Bureau of Engineering, 3rd floor City Hall.

VALLEJO, Solano Co., Cal.—City council has approved plans and installation will be started at once by city forces on water treatment plant at Fleming Hill. Estimated cost \$3,000. The work will be performed under the supervision of T. D. Kilkenny, city engineer.

MARTINEZ, Contra Costa Co., Cal.—City council plans immediate construction of municipal tennis courts on city-owned property in Brown St., near Pacheco Blvd. Construction will be started when money become available from tax funds.

COLUSA, Colusa Co., Cal.—City council has authorized preparation of estimates of cost to replace the old fire pump at the Municipal Water Works plant with modern equipment.

LOS ANGELES, Cal.—Two bids received by city purchasing agent, under Specifications 26113 to furnish three ammoniators M. D. C. A. M. and three chlorinators for the Los Angeles Olympic Swimming Stadium, taken under advisement. Bids follow:

Wallace & Tiernan, Co.	(1) \$1,695
.....	(2) 2,310
Terms 10% 30 days.	
Chemical Equipment Corp. (1) ..	\$1,200
.....	(2) 2,550
Alt. bid 10-lb.	3,165
If pedestal is used add \$415; 1% 30 days.	

HILLSBOROUGH, San Mateo Co., Cal.—Hillsborough Water Co., 58 Sutter St., San Francisco, has been directed by the State Railroad Commission to install within the next sixty days a filtration plant in connection with its system serving the Hillsborough section. The company obtains its water from the mains of the San Francisco Water Department.

CAMBRIA, San Luis Obispo Co., Cal.—Election will be held October 28 in San Luis Obispo County Water District No. 3 to vote bonds of \$18,000 to finance construction of a water system. Water supply will be obtained from wells. A pumping plant will be installed and a distributing system constructed.

GLENORA, Los Angeles Co., Cal.—American Cast Iron Pipe Co., Los Angeles, at 55.73c ft. from Los Angeles stock and 51.6c ft. mill shipment, awarded contract by city council to furnish 2,200 ft. 6-in. centrifugally cast, cast iron pipe, class 250, U. S. Master Spec.

GLENORA, Los Angeles Co., Cal.—Until October 27, 8 P. M. bids will be received by Fred Long, city clerk, to furnish cast iron pipe, Class 250, centrifugally cast, U. S. Master Specifications, as follows:

- (1) 6,500 ft. 8-in.
- (2) 5,000 ft. 6-in.

ARCADIA, Los Angeles Co., Cal.—Until October 20, 8 p. m. bids will be received by city council to furnish, trench and lay c. i. water pipe, No. 150 or equal:

- (1) 6,500 ft. 12-in.
- (2) 100 ft. 10-in.
- (3) 224 ft. 4-in.
- (4) 6,825 ft. trenching.

Specifications obtainable from city clerk.

LONG BEACH, Cal.—Following bids taken under advisement by city council to furnish Class B, cast iron water pipe:

- (1) 54,000 ft. 6-in., 12, 16 or 18 ft. lengths;
 - (2) 27,000 ft. 8-in., 12, 16 or 18 ft. lengths;
 - (3) 2880 ft. 20-in., 12-ft. lengths.
- Utilities Equipment Co.—(1) \$31.20 per ton, (2) \$31.20 per ton, (3) \$31.20 per ton; Alt. 1 16-ft. lengths, (1) 53c, (2) 77c, (3) \$2.70 (20 ft.); Alt. 2; 41c, (2) 58.5c, (3) 20-ft. lengths, \$2.10.

U. S. Pipe & Foundry Co.—12-ft. and 18-ft. lengths—total on all items \$41,247.

Pacific States Cast Iron Pipe Co.—Alt. 2 (16-ft. length), (1) \$25.80, (2) \$17.80.

National Cast Iron Pipe Co.—Alt. 1, 12-ft. and 18-ft. lengths, (1) \$22.680, (2) \$15.650, (3) 12-ft. lengths, \$6537.60.

American Cast Iron Pipe Co.—Alt. 1 (16 ft. lengths), (1) 42.5c, (2) 60c; Alt. 2 (16 ft. lengths) item 3, \$2.40.

NORWALK, Los Angeles Co., Cal.—Until October 16, 2 P. M. informal bids will be received by State Department of Public Works, Division of

Architecture, Sacramento, to install cast iron pipe line at Norwalk State Hospital. Specifications obtainable from above.

PLAYGROUNDS & PARKS

TURLOCK, Stanislaus Co., Cal.—Rex Ish Post No. 88, American Legion, has purchased additional property adjoining the present Legion Field and will improve the site by planting and extension of the present steel fencing.

ALAMEDA, Alameda Co., Cal.—Board of Education will ask bids at once for completely overhauling trees on school property. The work will include spraying, pruning and necessary surgery. Specifications obtainable from secretary of the board.

STREETS AND HIGHWAYS

SACRAMENTO, Cal.—Until October 22, 5 p. m. (to be opened at 8 p. m.), bids will be received by H. G. Denton, city clerk (2309) to improve alley between T. U. 4th and 5th Sts., involving c. i. gutter drains with sewer connections; vit. ironstone pipe sewers; reconstruct manhole; install 1-in. water main connections; grading; hyd. conc. pavement; concrete curb, 1911 Act. Bond Act 1915. Certified check 10% payable to city or bond required with bid. Fred J. Klaus, city engineer.

CHURCHILL County, Nev.—Until December 2, bids will be received by S. C. Durkee, state highway engineer Carson City, to construct portion of state highway system in Churchill County between 9.54-miles south of Fallon and Fallon, a length 9.54-miles, involving grading, construct structures and place surfacing material. Certified check 5% required with bid. Plans obtainable from engineer on deposit of \$15 of which \$10 is returnable.

SAN JOSE, Santa Clara Co., Calif.—Valley Paving Co., Bank of America Bldg., Fresno, at \$14,244.25 awarded contract by county supervisors to improve Rosa, Burton, Younger, N. 2nd, 3rd and 4th Sts., in Supervisor District No. 3 involving 117,000 sq. ft. asphaltic concrete pavement.

Bids follow:
Valley Paving Co., Fresno...\$14,244.25
Union Paving Co., S. F.17,810
San Jose Paving Co. San Jose 18,889.64
J. H. Quimby, S. F.19,936

CALIFORNIA—State Highway Commission on October 6 accepted the following contracts:

San Diego county—Contract for constructing a graded roadbed and placing a Portland cement concrete pavement between La Posta Creek and Campo Rd. Junction, on the San Diego-Yuma highway for 3.8 miles. E. Paul Ford, East San Diego, contractor, at \$249,700. Accepted October 6.

Santa Barbara county—Contract for constructing a graded roadbed and placing a Portland cement concrete pavement between Wigmore and Los Alamos on the coast highway, about 3.7 miles. Basich Bros., Torrance, \$134,900. Accepted October 6.

BERKELEY, Alameda Co., Cal.—Oakland Paving Co., 5000 Broadway, Oakland, at approximately \$9,000 was awarded contract by Regents of the University of California to improve a portion of Bancroft Way in the vicinity of Fulton street.

SAN LUIS OBISPO County, Cal.—Fredrickson and Watson and Fredrickson Bros., 354 Hobart st., Oakland at \$264,016.35 awarded contract by the State Highway Commission to grade

and pave with Portland cement concrete, 5.8 miles between Los Hornos Creek and Arroyo Grande. Complete list of unit and total bids received on this project published in issue of October 13.

SAN FRANCISCO—Until October 28, 2.30 p. m., bids will be received by S. J. Hester, secretary, Board of Public Works, to improve Hyde St. between Chestnut and Bay Sts., involving:

- (1) 1,000 cu. yds. excavation;
- (2) 1,300 cu. yds. embankment;
- (3) 516 cu. yds. Class B 2500 lb. concrete;
- (4) 63,000 lbs. bar reinforcing steel;
- (5) 490 ft. 12-in. V. C. P. sewer;
- (6) 200 ft. 6-in. V. C. P. side sewer;
- (7) 9 13½-in. wc. branches;
- (8) 2 brick manholes;
- (9) 2 brick catchbasins;
- (10) 90 ft. 10-in. V. C. P. culverts;
- (11) 36 ft. 6-in. V. C. P. underdrain;
- (12) 1,010 ft. armored concrete curb;
- (13) 160 ft. 2x16-in. redwood curb;
- (14) 18,300 sq. ft. 6-in. Class E concrete pavement;
- (15) 1,400 sq. ft. 1-course concrete sidewalk;
- (16) 2 brick catchbasins (reset);
- (17) 1,800 sq. ft. 4-in. macadam sidewalk;
- (18) 2,600 sq. ft. 8-in. waterbound macadam pavement;
- (19) 100 ft. 1½-in. galvanized conduit;
- (20) 1,300 ft. 1½-in. black iron conduit.

Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from Bureau of Engineering, third floor, City Hall.

SAN BERNARDINO COUNTY, Cal.—Until November 4, 2 p. m. bids will be received by State Highway Commission to grade and surface with oil treated selected material, 10.9 miles between Devore and Alray.

Salinas, Monterey Co., Cal.—Until October 19, 7:30 P. M. bids will be received by M. R. Keef, city clerk, (98) to improve portions of Maple street, involving:

- (1) 30,010 sq. ft. grading.
- (2) 17,850 sq. ft. hydraulic concrete pavement;
- (3) 1,265 lin. ft. cem. conc. curb;
- (4) 6,370 sq. ft. 3½-in. cement sidewalks.

1911 Act, Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Howard Cozens, city engineer.

SANTA ANA, Orange Co., Cal.—J. H. Dudley, 3738 Orange Ave., Long Beach, at \$30,926.25 awarded contract by county supervisors to construct Section 2 of the Santiago Canyon Road from the crossing of Santiago Creek and Silverado Creek northwest 5-miles on the Limestone Canyon Road, involving in the main: 119,565 cu. yds. excavation unclassified for roadway, shoulders and ditches at \$1.79 cu. yd.; corrugated metal pipe culverts, etc.

GLENDALE, Los Angeles Co., Cal.—Southwest Paving Co., 712 Lankersheim Bldg., Los Angeles, at \$20,039.27 (open specifications) submitted low bid to city council to resurface Glendale Ave. between San Fernando Rd. and Monterey Rd., involving: (1) \$28,922 sq. ft. burning off old surface, \$6,611.52; (2) 30,226 sq. ft. 4-in. asph. conc. base, \$32,328.70; (3) 695,158 sq. ft. 1½-in. asph. conc. surface, open specifications, \$20,159.

OAKLAND, Cal.—City Engineer Walter N. Frickstad instructed to prepare plans to improve Harrison St.

from 20th St. to Grand Ave. Proceedings have been started by the city council to widen the northwest corner of East Tenth St. and Fruitvale Ave.

UKIAH, Mendocino Co., Cal.—County supervisors have voted to join with the supervisors of Tehama County in the formation of a joint highway district to finance construction of the Covello-Corning lateral, providing another improved roadway between the Redwood and Pacific Highways.

SALINAS, Monterey Co., Cal., Surveys are being made by Howard Cozens, city engineer, to widen North Main St. to the rodeo grounds for a width about equal to that of the Salinas-Monterey peninsula highway.

SAN DIEGO, Cal.—Until October 26, 11 A. M. bids will be received by Miss G. Buckley, county clerk, to pave the county highway from San Ysidro to the new Tia Juana gate, portions 80-ft. and portions 100-ft. wide, for a distance of 1,500-ft. Estimated cost \$35,000. Alternate bids will be taken on cement concrete, asphalt concrete and emulsified oil pavement. Plans on file in office of clerk.

SAN FRANCISCO—Until October 21 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to construct a concrete apron extension at the Municipal Airport, estimated cost \$1,200. Project involves:

- (1) 345 sq. ft. reinforced concrete pavement;
- (2) 30 tons asphalt concrete for repairs;
- (3) 5,000 sq. ft. emulsified asphalt for repairs.

Certified check 10% payable to the Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineering, 3rd floor, City Hall.

SAN LEANDRO, Alameda Co., Cal.—Until November 4, 8 P. M., bids will be received by E. F. Hutchings, city clerk, for grading Park St. from the northwesterly line of the city to the northwesterly line of Davis St., to a width of 60 ft. Plans obtainable from city clerk. Bond or certified check for 10% payable to city required with bid. Previous calls for bids on this project was cancelled due to the failure of the city council to specify the prevailing rate of wages to be paid.

SAN LEANDRO, Alameda Co., Cal.—Until November 4, 8 P. M., bids will be received by E. F. Hutchings, city clerk for grading Dowling Boulevard from the easterly line of Mitchell Ave. to the westerly line of Le Bon Tract, Unit No. 1, to a width of 40 ft. Plans obtainable from city clerk. Bond or certified check 10% payable to city required with bid. Previous call for bids on this project was cancelled due to the failure of the city council to specify the prevailing rate of wages to be paid.

VENTURA, Ventura Co., Cal.—Until Nov. 3, 10 A. M., bids will be received by L. E. Halliwell, county clerk, to improve Ventura Ave. near Canet Station, 1200 lin. ft. in length, involving:

- (1) 12,650 cu. yds. earthwork excav.
- (2) 470 cu. yds. class A concrete;
- (3) 4500 lbs. reinf. steel;
- (4) 680 lbs. steel dowels;
- (5) 355 cu. yds. sand cushion;
- (6) 20 expansion joints.

Plans obtainable from C. W. Pettit, county surveyor.

SALINAS, Monterey Co., Cal.—County Surveyor Howard P. Cozens, making surveys for tie-in road from

Castroville to the new Prunedale-Rockwell cutoff of the state highway, now in course of construction.

SACRAMENTO, Col. City Engineer Harry J. Klaus preparing plans to pave the new H street subway and the approaches on either side. The work will be financed by the city and county of Sacramento. The work, however, will be let under one contract.

SEQUOIA NATIONAL PARK, Cal.—Bids will be asked in the season of 1932 by C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, 461 Market St., San Francisco, for furnishing all labor and materials and performing all work for constructing section D3 of the Generals Highway, Sequoia National Park, California. The length of the project to be constructed is approximately 6.5 miles extending from Station 488+85, the end of the present construction near Suwanee Creek, in a northerly direction to Station 833 at the north park boundary. The work will consist of clearing, grading, and installation of necessary drainage structures. The survey has been made and plans and specifications will be prepared during the winter. It is expected that the country adjacent to the proposed construction will soon be covered with snow and as the project will be advertised before weather conditions will permit inspection next spring, prospective bidders are advised to examine the proposed work at once. E. E. Erhart of the Bureau of Public Roads is located in Sequoia National Park and will show prospective bidders over the line.

YOSEMITE NATIONAL PARK, Cal.—Bids will be asked early in the season of 1932 by C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, 461 Market St., San Francisco, for grading a section of the Tioga Road, Yosemite National Park, Calif. The length of the project to be graded is approximately 12 miles extending from Station 1120, near Cathedral Creek, in an easterly direction to Tioga Pass on the east park boundary. The work will consist of clearing, grading, and installation of necessary drainage structures. The survey has been made and plans and specifications will be prepared during the winter. It is expected that the country adjacent to the proposed construction will soon be covered with snow and as the project will be advertised before weather conditions will permit inspection next spring, prospective bidders are advised to examine the proposed work at once. W. J. Ward of the Bureau of Public Roads is located at White Wolf in Yosemite National Park and will show interested contractors over the line.

Wage cuts, strikes and further attempts to establish prevailing local wage scales form the principal elements of current news reports on labor conditions coming from correspondents in various sections of the country, Engineering News-Records reports.

Reduction of 10 per cent became effective October 1 throughout the steel, rubber and copper industries. Less sweeping pay slashes occurred in the textile, railway, fuel, iron and refractory industries. Others are expected as in the automotive and aluminum industries.

In several localities minimum wage rates have been fixed definitely for common laborers. In none of these agreements, consummated within the last month, has the rate exceeded 50c or gone below 30c per hour for work on public projects.

VAST CULTURAL PROGRAM TO BRING PROSPERITY IS URGED BY GRUNSKY, S. F. ENGINEER

Vast public projects to develop the nation's cultural resources are urged as "the way to national progress and prosperity" by Carl E. Grunsky of San Francisco, president of the American Engineering Council, in a symposium of the Engineering Foundation, on "Benefits from Engineering Progress." Mr. Grunsky, appointed by President Hoover to the national organization for unemployment relief headed by Walter S. Gifford, asserts that the great need is a stabilizer in the form of activities disconnected from the production of material necessities which will provide in every country a steady flow of money from hand to hand.

"The nation's spiritual and cultural advancement are of great importance than provision for material well-being," Mr. Grunsky says. "Expenditures of public funds for such purposes comparable with those for the safeguarding of life and property, for the protection of health and for facilitating the exchange of products would not be unreasonable; but there is fear of the tax burden."

"Under a well balanced program the nation should get vastly more scientific research and more educational opportunity. Art should be encouraged by the erection of monuments, the establishment of museums, art galleries, conservatories of music, and opera houses with maintenance of opera companies in all centers of population. Expenditures for these purposes would contribute to the spiritual uplift of the people, and to the progress of civilization."

"Provision for outdoor recreation should be made throughout the land on a scale never yet approached. Lands should be reserved and acquired so that those who go into the open may find suitable places to picnic and to camp. During periods of declining prices there should be also a speeding up of public works on a sane program."

"Recourse to pick and shovel instead of modern appliances is but a trifle above giving a dole with its encouragement of idleness and of return to primitive conditions."

"The basis of such a program is a high rate of taxation, but any suggestion that the government spend more money, particularly in business depressions, is commonly frowned down. The fact is ignored that when capitalists close their purses government must spend to avert disaster."

"Objection should not be to the magnitude of the sum to be raised, but to the prevailing unfair systems of apportioning the tax. If the burden were distributed commensurately with ability to pay, there would be less dissatisfaction and the public would soon learn that the greater the tax the less the slump in the aggregate volume of the country's business."

"Tax money thus put into circulation would create a volume of business that could readily bear the tax from year to year. If money received from taxation, equitably levied, is economically spent at home, it will in passing from hand to hand create business in the long run for each taxpayer in substantially the proportion in which he has contributed. Each dollar thus expended by the government should create from thirty to fifty dollars of business in a year with, of course, some shrinkage. There appears to be no reason, in theory, why taxes should not be welcomed."

"Much unproductive property such

as furniture and works of art is too heavily taxed. So also is real estate. Why tax the goods or the material which the merchant or manufacturer has in stock when his business is 'in the red'? They should pay something for the privilege of doing business, based on the volume of business, and they should contribute to the government a part of the net profits. The tax on real estate should be just enough to prevent the land from lying idle too long."

"The main guide in fixing the individual's tax should be ability to pay, that is to say, his net income. Taxes should be graded, and there might well be a minimum below which there would be no taxes."

"Indirect bonuses have increased the tax burden of those who do not get such bonuses. The veteran is granted tax exemption, amounting in some states to \$1,000, an indirect bonus perhaps equivalent to \$40 or \$50 per year. Such exemption has almost universal approval. However, another veteran, with wife and children, in rented quarters, who cannot therefore benefit from the exemption, does not get the indirect bonus for which he is probably in much greater need. The exemption is unfair. Every such bonus should be direct, not indirect."

"Salaries of public employees and officials are tax free—equivalent to an addition to the individual's earnings—thus an indirect bonus largest for those with largest incomes, who could best afford to pay an income tax. Earned incomes are exempted from the Federal base tax to an extent of 25%. An indirect bonus equivalent to the tax on \$1,250 is thus given to the man who has a salary of \$5,000. His neighbor whose earned income is \$30,000 obtains an indirect bonus six times as great, and yet the latter is in a better position to pay."

"Scientific, religious and like institutions are exempt, equivalent to giving a bonus. To the extent of the aggregate indirect bonuses thus granted, the other taxpayers carry a heavier burden."

"Government, state, and municipal bonds are tax free, supposedly for advantages to the public, because they thus become marketable at lower rates of interest. This is only a fancied advantage that may lead to injustice."

"All the bonds issued by some municipality may be held by residents of another. In the second city a corresponding amount of property is taken off the tax list, with the result that all other property is more heavily taxed. The increased burden results in advantage to the residents of another municipality in which those who are thus more heavily taxed may have no interest. If all bonds issued by a municipality are owned by residents of that municipality, the tax rate on the remaining property must go up in an amount that will more than offset the advantage which results from the low interest rate at which the bonds were issued. If the holder of the bonds did not profit by the tax exemption, the low interest rate bonds would not be attractive. Another indirect bonus."

"When the Panama Canal was constructed, bonds for nearly \$400,000,000 were issued. These bonds went into the hands of bankers who deposited them in the United States Treasury for the privilege of issuing bank notes secured by these bonds. The bank notes, which may have approximated ninety per cent of the amount of out-

standing bonds, went into circulation as currency, the banks being thus permitted to borrow from the public, at a small cost of engraving and a moderate tax, several hundred millions of dollars without paying interest. An indirect bonus."

"Under the Reclamation Act, 1902, and its amendments, the settler is required to pay back to the government the cost of the irrigation works within forty years, but without interest; an indirect bonus practically equivalent to the cost of the works. The works, if constructed privately, would have cost the settler twice as much."

"Several cities in Kansas have no taxes, a situation welcomed by all. The cost of government has been shifted from the taxpayer to the ratepayer in water, light and power bills, and carfares. The public utilities are owned by the municipalities and the profits are sufficient to meet the budget requirements. By this arrangement the wealthy have been relieved of their just share in the cost of government, at the expense of those in moderate circumstances. The real estate owners and the capitalists are presented with an indirect bonus."

"Other illustrations could be given to indicate how general indirect bonuses have become. Equitable taxes and fair distribution of the cost of government is the first step to the expansion of activities for cultural progress and public welfare as a means of preventing extreme distress during business depressions."

"Unemployment is the most striking symptom of recurrent hard times. This may be attributed to the fact that one man now produces what three or more could produce a few years ago, but it must be remembered that demand in kind and quantity also has vastly increased."

"Depressions would be recurrent even if the typewriter, the harvester, and the automobile had not been invented. The relative number of basic producers has been materially decreased. In consequence increasing numbers must be provided with occupation in distribution, cultural activities, and recreation."

"Opportunity to work should be provided for every person dependent on his own efforts. Obviously this opportunity cannot be supplied at the bottom of the scale of human endeavor. Over-production would result. There is always room at the top."

MENACE OF RUSSIA'S LUMBER EXPORTS CITED

As an indication of the menace of Russia's lumber exports the American Lumberman quotes the following from a letter written by a Grand Rapids woman, who, on a tour around the world, visited Russia, the steamship on which she was traveling docking at Leningrad.

"We docked about six in the evening at one of the huge wharves which the U.S.S.R. has just built for their lumber exporting trade. I counted some seventy ships being loaded with lumber. A man told me an officer told him that over a hundred were being loaded. Most of the ships were German, but the boat nearest us was a Moore & McCormick boat from San Francisco. I never dreamed there was so much lumber in the world. Five long wharves run out like the fingers on a hand, trains are bringing in lumber all the time, and the speed with which it is loaded into the ships is amazing. The workers work seven hours a day for four days, I was told, and then rest on the fifth. They do not have Sunday or a general rest day. Some are working and some are resting, and in that way the work always goes on."

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
1476	Herzog	Owner	3000
1477	Haskins	Owner	3250
1478	Erickson	Owner	4250
1479	Erickson	Owner	4850
1480	Sullivan	Owner	4000
1481	Lewis	Morris	3500
1482	Herzog	Owner	3000
1483	Herzog	Owner	9000
1484	Haskins	Owner	3000
1485	Erickson	Owner	4250
1486	Standard	Owner	5000
1487	Heyman	Owner	10500
1488	Castle	Owner	15000
1489	R C Archbishop	Larsen	4500
1490	Castle	Owner	3500
1491	Schultz	Schultz	10000
1492	Salta	Mission	12000
1493	Speyer	Coburn	2000
1494	Kambic	Owner	4200
1495	Sala	Owner	3750
1496	Wolfson	Everding	1000
1497	Christensen	Owner	7000
1498	Hjorkman	Owner	8000
1499	McAllister	Gladstone	15000
1500	Schlesinger	De Velbiss	1000
1501	Massei	Owner	1800
1502	Lang	Swanson	5000
1503	Nelson	Doelger	4000
1504	New Method	Western	1800

1505	Hanna	Moore	7000
1506	DeWerty	Owner	5500
1507	Johnson	Elkington	6000
1508	Collins	Owner	3500
1509	DeGiantoni	Koenig	1665
1510	Yee Assn	Stegrist	15000
1511	Seaside	Empire	1000
1512	Koster	Owner	9000
1513	Evers	Owner	3500
1514	Johnson	Owner	4000
1515	Meyer	Owner	4000
1516	De Francesco	Frank	1200
1517	Nash	Owner	2000

DWELLING
(1475) SE ULLOA and 32nd AV., 1-story and base frame dwell.
Owner—A. J. Herzog, 635 Victoria.
Plans by G. H. Vore, Oakland.
Cost, \$3000

DWELLING
(1477) W 37th AV 195 N BALBOA: One story and base frame dwell;
Owner—A. S. Haskins, 340 St. Rose's ave.
Architect—Plans by F. K. Perry, 883 41st Av.
Cost, \$3250

DWELLING
(1478) W 34th AV 232 N WAWONA: One story and base frame dwell.
Owner—E. Erickson, 514 Miramar Av.
Architect—Plans by owner.
Cost, \$4250

DWELLING
(1479) N WAWONA 100 E 34th Av.: One story and base frame dwell.
Owner—E. Erickson, 514 Miramar Av.
Architect—Plans by owner.
Cost, \$4850

DWELLING
(1480) E. MIRAMAR AVENUE 141 S OCEAN AV.: One story and base frame dwell.
Owner—T. J. Sullivan, 1967 Ocean.

Architect—Plans by owner.

Cost, \$4000

DWELLING
(1481) N CLAY 106 E LYON: One story and base frame dwell.
Owner H. Lewis, c/o 1182 Market rm. 402.
Architect—Plans by contractor.
Contractor—Morris & Weiner, 1182 Market St.
Cost, \$3500

DWELLING
(1482) S. ULLOA 95 S 32nd AVE.: One story and base frame dwell.
Owner—A. J. Herzog, 635 Victoria.
Architect—Plans by G. H. Vore, Oak
Cost, \$3000

DWELLING
(1483) E. 32nd AV 25 S. ULLOA (3) One story and base frame dwells.
Owner—A. J. Herzog, 635 Victoria.
Architect—Plans by G. H. Vore, Oak
Cost, \$3000 each

DWELLING
(1484) W 37th AV 270 N BALBOA: One story and base frame dwell.
Owner—A. S. Haskins, 340 St. Rose's Av.
Architect—Plans by F. K. Perry, 883 41st Av.
Cost, \$3000

DWELLING
(1485) W 34th AV 100 N WAWONA: One story and base frame dwell.
Owner—E. Erickson, 514 Miramar.
Architect—Plans by owner.
Cost, \$4250

DWELLING
(1486) W SAN BENITO WAY 120 S SAN ANSELMO WAY: Two story and base frame dwell.
Owner—Standard Bldg Co., 213 Castenada Av.
Architect—Plans by Donnell Jaekle, Call Bldg.
Cost, \$5000

DWELLINGS
(1487) E 17th AV 227 N PACHECO (3) One story and base frame dwells.
Owner—Heyman Bros., 742 Market St.
Architect—Plans by owner.
Cost, \$3500 each

DWELLINGS
(1488) W THIRTY-THIRD AVE S from Cor. Rivera St. Five one-story and basement frame dwellings.

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - - California

Owner—Castle Bldg. Co., 820 Market St., San Francisco.
Plans by Donnell E. Jaekle, Call Bldg., San Francisco.
Cost, \$3000 each

ADDITION
(1489) N MISSION between Third & Fourth Sts. (St. Patrick's Church). Addition to church tower.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—A. Constable, Finance Bldg San Francisco.
Contractor—Larsen & Larsen, 629 Bryant St., San Francisco.
Cost, \$4500

DWELLING
(1490) W MANOR DR. 90 S Upland. One-story and basement frame dwelling.
Owner—Castle Bldg. Co., 830 Market St., San Francisco.
Plans by D. E. Jaekle, Call Bldg., San Francisco.
Cost, \$3500

STORES
(1491) W BUCHANAN 200 N North Point. One-story frame stores.
Owner—Nells Schultz.
Architect—S. L. Hyman and A. Appleton, 68 Post St., S. F.
Contractor—Schultz Constr. Co., 1 Hillcrest Blvd., Millbrae Highlands.
Cost, \$10,000

SALESROOM
(1492) N OTIS 116 W Twelfth St. Two-story Class C salesroom.
Owner—Salta Co., 557 4th St., San Francisco.
Architect—E. H. Denke.
Contractor—Mission Concrete Co.
Cost, \$12,000

REPAIRS
(1493) NO. 1663 MISSION ST. Repair fire damage to factory.
Owner—Spreyer & Schwartz, 2048 Market St., San Francisco.
Architect—Not Given.
Contractor—I. W. Coburn, 2048 Market St., San Francisco.
Cost, \$2000

DWELLING
(1494) W KANSAS 150 N 18th St. One-story and basement frame dwelling.
Owner—J. Kambic, 500 San Bruno Ave., San Francisco.
Architect—Not Given.
Cost, \$4200

DWELLING
(1495) W THIRTIETH AVE 125 S Irving. One-story and basement frame dwelling.
Owner—F. R. Sala, 1360 Ninth Ave., San Francisco.
Architect—Not Given.
Cost, \$3750

ALTERATIONS
(1496) TWENTY-SEVENTH AVE & Taraval. Alter interior of store.
Owner—F. Wolfson, 45 Yerba Buena Ave., San Francisco.
Plans by Contractor.
Cost, \$1000

DWELLINGS
(1497) W TWENTY-SIXTH AVE 100 S Kirkham. Two one-story and basement frame dwellings.
Owner—H. Christensen, 1422 27th Ave., San Francisco.
Plans by Owner.
Cost, \$3500 each

DWELLINGS

(1498) S IRVING 32 W 27th Ave.
Two-story and basement frame
dwellings.

Owner—V. Workman, 3579 Mission St.
San Francisco.
Architect—Not Given. \$4000 each

DWELLING

(1499) S LAKE 350 W 30th Ave.
Two-story and basement frame
dwelling.

Owner—J. W. McAlister, 5 Sea View
Terrace, San Francisco.

Architect—C. K. Sumner, 57 Post St.,
San Francisco.

Contractor—D. B. Gladstone, 557 Mar-
ket St., San Francisco. \$15,000

REPAIRS

(1500) NO. 207 POWELL. Repair fire
damage to stores and lofts.

Owner—C. Schlesinger, % J. E. Lee,
433 California St., San Francisco.

Architect—Not Given.
Contractor—C. D. De Velbiss, 369 Pine
St., San Francisco. \$1000

SALESROOM

(1501) NO. 5101 MISSION ST. One-
story salesroom.

Owner—A. Massel.
Architect—Not Given. \$1800

DWELLING

(1502) S ROCKWOOD COURT 283 S
Rockaway Ave. One-story and
basement frame dwelling.

Owner—A. J. Lang, 39 Sutter St., San
Francisco.

Plans by F. Nelson, 310 Ulloa St., San
Francisco.

Contractor—O. Swanson, 3539 Market
St., San Francisco. \$5000

DWELLINGS

(1503) E UPLAND DR. 356 E Manor
Dr. Three one-story and base-
ment frame dwellings.

Owner—M. Nelson.
Architect—Toepke & Hinterman, 714
Call Bldg., San Francisco.

Contractor—H. Doelger, 300 Judah St.,
San Francisco. \$4000

LAUNDRY

(1504) NO. 407 SANCHEZ. Water
tank tower for laundry.

Owner—New Method Laundry, 407
Sanchez St., San Francisco.

Architect—G. A. Fisher.

Contractor—Western Iron Works. \$1800

ALTERATIONS

(1505) NO. 945 GREEN. Interior al-
terations to apartments.

Owner—R. W. Hanna, % Architect.
Architect—W. W. Wurster, 260 Cal-
ifornia St., San Francisco.

Contractor—Moore & Madsen, 557
Market St., San Francisco. \$7000

FLATS

(1506) N CUMBERLAND 150 — Do-
lores. Two-story and basement
frame (2) flats.

Owner—J. W. Doherty, 119 Liberty St.,
San Francisco.

Architect—Not Given. \$5500

RESIDENCE

(1507) W SAN ALISO 129 S Darien
Way. One-story frame residence.

Owner—Mrs. M. Johnson, 1813 San
Bruno Ave., San Francisco.

Architect—S. Colton.

Contractor—G. J. Elkington & Sons,
330 Vicente St., S. F. \$6000

DWELLING

(1508) W MARGARET AVE 75 S
Lakeview Ave. One-story and
basement frame dwelling.

Owner—J. E. Collins, 430 Magnolia
Ave., Millbrae Highlands.

Plans by C. A. Wilder, 1060 Noe St.,
San Francisco. \$3500

ADDITION

(1509) NO. 347 SENECA S. Add to
dwelling.

Owner—C. Deglantoni, 347 Seneca St.,
San Francisco.

Architect—E. A. Neumarkel, 340 Kear-
ny St., San Francisco.

Contractor—C. J. Koenig & Sons, 520
Church St., San Francisco. \$1666

APARTMENTS

(1510) E BROOKLYN PLACE 107 E
Sacramento. Four-story Class C
(11) apartments.

Owner—Loong Kong Tien Yee Asso-
ciation, Grant Ave., bet. Washing-
ton and Jackson Sts.

Architect—F. W. Dakin, 625 Market
St., San Francisco.

Contractor—F. R. Siegrist, 604 Mis-
sion St., San Francisco. \$15,000

OFFICE

(1511) NO. 2121 THIRD ST. One-
story frame office.

Owner—Seaside Oil Co., Premises.
Architect—Not Given.

Contractor—Empire Constr. Co., 100
Bush St., San Francisco. \$1000

DWELLING

(1512) S MONTEREY BLVD. 200 NW
San Aliso. Two-story and base-
ment frame dwelling.

Owner—J. and E. Koster, 821 Market
St., San Francisco.

Architect—D. A. Riedy, 821 Market
St., San Francisco. \$9000

DWELLING

(1513) W RAMSELL 100 S Holloway.
One-story and basement frame
dwelling.

Owner—K. Evers, 2601 17th Ave., San
Francisco.

Plans by Owner. \$3500

DWELLING

(1514) W SEVENTEENTH AVE 150
S Rivera. One-story and basement
dwelling.

Owner—S. F. Johnson, 2601 17th Ave.,
San Francisco.

Architect—G. F. Strothoff, 2274 15th
St., San Francisco. \$4000

DWELLING

(1515) N TERESITA 336 W Reposa.
One-story and basement frame
dwelling.

Owner—Meyer Bros., 727 Portola Ave.,
San Francisco.

Plans by Owner. \$4000

ALTERATIONS

(1516) NE BENNINGTON & HIGH-
land Ave. Alter exterior and
foundations of dwelling.

Owner—G. De Francesco, 321 Holly
Park Circle, San Francisco.

Architect—Not Given.

Contractor—C. Frank Co., 305 Bocana
St., San Francisco. \$1200

GARAGE

(1517) NO. 3100 PACIFIC AVE. Two
story frame garage and loft.

Owner—Miss C. A. Nash, Premises.
Plans by San Mateo Planing Mill Co.,
San Mateo. \$2000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
228	McAlister	Gladstone	—
229	Toong	Siegrist	23777
230	S. P.	Duncanson	10000
231	Thompson	Morris	5250
232	Koster	Papenhausen	9500

FLAT

(227) 5816 GEARY ST., SAN FRAN-
CISCO. All work heating systems
of 2 flat buildings on W 22nd Ave.
N of Geary St. and alter of heat-
ing systems for a four apartment
building on 5816 Geary St. and
the correlation and combination
of the various systems in the two
buildings to a single unified sys-
tem.

Owner—John and Wm. Kladas, 5816
Geary St., San Francisco.

Architect—Geo. E. Ralph, 110 Sutter
St., San Francisco.

Contractor—Higgins & Krause, 741
Tehama St., San Francisco.

Filed Oct. 9, '31. Dated Oct. 3, '31.
Limit December 19, 1931.

Payments:

1st—75% on or about 10th of each
month. Final payment 35 days
after completion.

TOTAL COST \$3,525.00

Specification filed. Plans filed.

RESIDENCE

(228) S LAKE 250 W Thirtieth Ave.
Bk 1327, Sea Cliff. All work for
frame residence and garage.

Owner—James W. McAlister, 5 Sea
View Terrace, San Francisco.

Architect—Charles K. Sumner, 57 Post
St., San Francisco.

Contractor—D. B. Gladstone, 557
Market St., San Francisco.

Filed Oct. 13, '31. Dated Oct. 5, '31.

On 1st and 15th of each month 75%
Usual 35 days..... 25%

TOTAL COST not to exceed \$17,168
plus \$1200 commission.

Bond, \$9184. Sureties, R. Brace
Carter and Mrs. A. M. Gladstone.

Limit, 120 days. Forfeit, none. Plans
and specifications filed.

BUILDING

(229) E BROOKLYN PLACE 107-6 S
Sacramento E 57-6xS 30. All work
for four-story and basement rein-
forced concrete building.

Owner—Toong Kong Tien Yee Assn.
Architect—F. W. Dakin, 625 Market
St., San Francisco.

Contractor—F. R. Siegrist, 604 Mission
St., San Francisco.

Filed Oct. 13, '31. Dated Oct. 7, '31.

2nd floor joists in place..... \$4458

Roof boards on 4458

Brown coat plaster on 4458

Completed and accepted..... 4458

Usual 35 days 5945

TOTAL COST, \$23,777

Bond, \$23,777. Surety, U. S. Fidelity
& Surety Co. Limit, 100 days. For-
feit, \$10. Plans and specifications,
none.

SLIP NO. 2

(230) AT OR NEAR TERMINAL OF
Southern Pacific Golden Gate
Ferries, Ltd., Foot of Hyde St.

Reconstructing portion of east
wing of Slip No. 2 and driving
piles for additional nose cluster.

Owner—Southern Pacific-Golden Gate
Ferries, Ltd.

Architect—Not Given.

Contractor—The Duncanson-Harrelson
Co., de Young Bldg., S. F.

Filed Oct. 13, '31. Dated Oct. 13, '31.

End of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$10,000

Bond, \$10,000. Surety, —, Limit,
forfeit, none. Plans and specifications
filed.

DWELLING

(231) NO LOCATION GIVEN. All
work for five-room dwelling with
garage.

Owner—Ernest A. Thompson, 1000
Union St., San Francisco.

Architect—Not Given.

Contractor—Morris & Weiner, 1182
Market St., San Francisco.

Filed Oct. 13, '31. Dated Oct. 10, '31.	
Frame up	3/4
Brown coated	3/4
Upon completion	3/4
Usual 35 days	3/4
TOTAL COST, \$5250	
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.	

DWELLING

(232) SW MONTEREY BLVD. and NW line of the parcel of land desc'd in deed from Westgate Park Co. to Alexander E. and Olive S. Richardes, recorded June 30, 1924, in 894 or 254 S 42° 42' W 100 to N line of Elk 5660, Balboa Terrace Addition N 87° 44' W 78.30 N 42° 14' 40" E 150.31 to pt on SW Monterey Blvd. dist NW 60 from pt of beg SE 60 to beg. All work for two-story frame dwelling.

Owner—John and E. M. Koster, 1507 Francisco St., San Francisco.

Architect—D. A. Riedy, Pacific Bldg., San Francisco.

Contractor—Henry Papenhausen, 595 Victoria St., San Francisco.	
Filed Oct. 14, '31. Dated Oct. 13, '31.	
Frame completed	\$2000
Brown coated	2000
Completed and accepted	2000
Usual 35 days	2000
TOTAL COST, \$9500	
Bond, \$4750. Sureties, Robt. Postler and C. W. Higgins. Limit 75 days. Forfeit, none. Plans and specifications filed.	

COMPLETION NOTICES

SAN FRANCISCO COUNTY	
Recorded	Accepted

Oct. 7, 1931 — NE EIGHTEENTH Ave and Balboa No. 594 18th Ave. Mrs. J. Montalbano and J. Montalbano to Wallace J. Smale. Oct. 7, 1931

Oct. 7, 1931—W THIRTY-SECOND Ave 175 N Vicente N 25xW 120. A J and Mary A Herzig to whom it may concern. Oct. 7, 1931

Oct. 7, 1931—E TWENTY-SECOND Ave 93 S Noriega S 25xSE 120 OL 2053 Geo R Norment to whom it may concern. Oct. 7, 1931

Oct. 7, 1931—N FELTON 75 W Bowdoin 49x100. Maria and G Carrow to whom it may concern. Sept. 25, 1931

Oct. 7, 1931—NW PARIS 175 SE Excelsior Ave. John Dikas to Henry Erickson. Oct. 5, 1931

Oct. 7, 1931—E TWENTY-EIGHTH Ave 200, 175 and 150 S Rivera St. S 25xSE 120 O L 1995. Carl and Fred Gellert to whom it may concern. Oct. 5, 1931

Oct. 7, 1931—SE MISSION 230 m or l from N Lowell NE 25-54 m or l SE 140-1% to NW Morse SW 25 NW 135-5% m or l to beg Ptn Blk 31, West End H D Assn. M. Pareitch to C Ravaglioli. Oct. 3, 1931

Oct. 9, 1931—SE ELLINGTON 121-187 SW Ottawa Ave SW 50xSE 90 Ptn Blk 1, West End Map No. 1. Frank L. McAfee to whom it may concern. Oct. 6, 1931

Oct. 9, 1931—125 ON DOUGLAS ST. on the S side of 24th St. E and R DeVere to John Casty & Son. Oct. 7, 1931

Oct. 9, 1931—W TWENTY-SIXTH Ave 250 N Rivera N 25xW 120 known as 2155 26th Ave. Paul B Duernier to whom it may concern. Oct. 9, 1931

Oct. 9, 1931—E TALBERT 100 and 132 S Visitation Ave 32x100. The Ruegg Co to whom it may concern. Oct. 6, 1931

Oct. 9, 1931—ASSESSOR'S BLOCK 5246 Lots 14 to 27, 27A, 28 to 37, 37-A N 1/4 of Galvez from E Toiland to ptn 300 E. Farm Land

Investment Co to Harry Gorman. Oct. 10, 1931

Oct. 8, 1931—W ASHBURY 201 6 N. Frederick N 125 & W 1867 3. The Roman Catholic Arch. of S. F., to Andrew A. Polla. Sept. 30, 1931

Oct. 8, 1931—S W 22nd & CAROLINA S 25 x W 100; Charles Pennino to Peder Andersen. Sept. 30, 1931

Oct. 8, 1931—LOT 130 SPRING VALLEY HD; W. E. Barker to whom it may concern. Oct. 7, 1931

Oct. 8, 1931—W ASHBURY 121 6 E FREDERICK, 825 Ashbury, Marie Vassierre to Young & Horstmeyer. Oct. 7, 1931

Oct. 8, 1931—S W CERVANTES ED. and 130 N W AVILA N W 27 6 S W 95 N W 94 S 19.875 E 37.6 N 7 W 10.562 N E 85.914; T. J. Webb and Jane L. Webb to Harold E. Gray. Oct. 7, 1931

Oct. 8, 1931—W LEAVENWORTH 95 N WASHINGTON 62.6 x 137.6 1429-31 3 Leavenworth St. Mary F. Conniff. Oct. 8, 1931

Oct. 10, 1931—SE CLEMENT ST & Third Ave E 32-65x 100 O L 183. D Marinatos to H O Lindeman, Ltd. Oct. 7, 1931

Oct. 10, 1931—SW EIGHTEENTH & Potrero Ave S 100 to a ptn x W 50 to a ptn P N 62. General Petroleum Corp of Calif to Empire Constr. Co, Ltd. Oct. 3, 1931

Oct. 10, 1931—S OCEAN AVE 510 m or l Harold Ave, 859 Ocean Ave. Nick F. Brisoletto to whom it may concern. Oct. 10, 1931

Oct. 10, 1931—W WEBSTER 100 N North Point N 25xW 120 Wm Silversti to Albin C Lindgren. Oct. 9, 1931

Oct. 10, 1931—N PACIFIC AVE 62 E Gough E 59-6xN 137-8 1/4. F B Strand to whom it may concern. Oct. 10, 1931

Oct. 13, 1931—W THIRTY-SEVENTH Ave 133-3 S Anza 25x120. Peder P Johnsen to whom it may concern. Oct. 13, 1931

Oct. 13, 1931—E TWENTY-EIGHTH Ave 100 S Judah S 25 E 120. John J. McDonough to whom it may concern. Oct. 1, 1931

Oct. 13, 1931—E TWENTY-EIGHTH Ave 125 S Judah S 25xSE 120. John J. McDonough to whom it may concern. Oct. 1, 1931

Oct. 13, 1931—S PACIFIC AVE 75 E Buchanan E 40xSE 127-8 1/4 W A 240. E A McCarthy to L R Snyder. Oct. 13, 1931

Oct. 13, 1931—E FILLMORE 100 N Beach N 50xSE 100. M F Storheim to whom it may concern. Oct. 13, 1931

Oct. 13, 1931—E FLORIDA 225 S 20th S 26xSE 100 MB 143. Walter J. Schmidt to whom it may concern. Sept. 25, 1931

Oct. 13, 1931—E DOLORES 122 S Twenty-second S 25xSE 117-6 to W Quane N 25 W 117-6 to beg. M Schaffner to whom it may concern. Oct. 13, 1931

Oct. 13, 1931—N BROADWAY 40 W Baker W 57-3xN 137-6 W A 574. A Lincoln Brown to Young & Horstmeyer. Oct. 10, 1931

Oct. 13, 1931—NO. 2319 CHESTNUT ST. E Stern to C T Magill. Oct. 12, 1931

LIENS FILED

San Francisco County	
Recorded	Amount

Oct. 7, 1931—W TWENTY-FIFTH Ave 25 N Kirkham N 25xW 82-6 OL 744. Wm G Zupar vs Geo E Dilling. \$1062.50

Oct. 10, 1931—S GREENWICH 40 E Franklin E 60xS 79. F W Knipscher (as F W Kay Co) vs M J

Kunkoff and Sarah Schwabbe \$569

Oct. 9, 1931—S GREENWICH 40 E Franklin E 60xS 79 W A 98. Ray Burner Co vs Chas A Laughlin (as Laughlin Constr Co), Sarah Schwabbe, Globe Indl Co and F H Phillips. \$737.10

Oct. 9, 1931—N CALIFORNIA 101-1 E Pierce E 27-8xN 120. Engdahl Bros vs Hannah, Hossie and John Henry. \$72.95

Oct. 9, 1931—W TWENTY-FIFTH Ave 25 N Kirkham N 25xW 82-6. Geo R Nelson vs Geo E and A Dilling. \$318.90

Oct. 8, 1931—W 25th AV 25 N KIRKHAM AV; V. Philippas ex-Geo concrete Co, vs. Geo. E. Dilling; \$110.40

Oct. 8, 1931—S 21st 152 8 W Church W 25 x S 114, Elsie L Schandl adm. ministr ex R. M. Schaadt, decd. vs. C. De Masi and A De Masi. \$2,777.80

Oct. 13, 1931—S GREENWICH 40 E Franklin E 60xS 79. Wm Symmonds vs Laughlin Constr Co; Chas A Laughlin; Sarah Schwabbe and Globe Indemnity Co. \$80

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded	Amount
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Oct. 13, 1931—E BELVEDERE 308-9 S Waller S 25xSE 121-10 1/4. Shirley Baker to Joseph Rawson. \$163

Oct. 7, 1931—NE LINGENIA AVE. and SE line Lot 558 NE 23 m or l NW 65 m or l 1 SW 23 m or l SE 56.40 m or l to beg Ptn Lot 558. Gift Map No. 3. George Toge to Carl Carlson. \$39.40

BUILDING PERMITS

Alameda County			
No.	Owner	Contractor	Amt.
1170	Santos	Timoney	3800
1171	Kadell	Owner	1500
1172	Bemis	Owner	2000
1173	Ray	Sheridan	1450
1174	Haller	Owner	4500
1175	Reedy	Owner	1000
1176	Knox	Owner	1000
1177	Netherby	Owner	4000
1178	Brandt	Owner	3000
1179	Schneider	Vallery	3000
1180	Campbell	Bridlerick	11000
1181	Ganssa	Fleming	3850
1182	Perguson	Waldman	7000
1183	Muller	Rich	4000
1184	Rollins	Peterson	3000
1185	Walland	Williamson	5000
1185	Crane	Van Ness	2500
1186	Allen	Shapiro	1800
1187	Aikers	Leekins	3000

DWELLING

(1171) SE MOUNTAIN BLVD AND Columbian Dr., OAKLAND. One-story 4-room dwelling.

Owner—W. J. Kadell, 7520 Circle Hill Drive, Oakland.

Architect—Not Given. \$1500

STORE

(1172) SE E-FOURTEENTH ST. & Seminary Ave., OAKLAND. One-story store.

Owner—K. E. Bemis, 916 16th St., Oakland.

Architect—Not Given. \$2000

ALTERATIONS

(1173) NO. 1918 BROADWAY, OAKLAND. Alterations.

Owner—Ray Bldg., 1924 Broadway, Oakland.

Architect—Not Given.

Contractor—Robt. E. Sheridan, 286 12th St., Oakland. \$1450

RESIDENCE

(1170) NO. 1319 BLAKE ST., **BERKELEY**. One-story 5-room 1-family frame residence. Owner—E. Santos. Architect—L. F. Hyde. Contractor—E. Timoney, 2421 Curtis St., Berkeley. \$3800

DWELLING

(1174) NO. 5219 OCEAN VIEW DR., **OAKLAND**. One-story 5-room dwelling. Owners—Paul H. Haller, 829 45th St., Oakland. Architect—Not Given. \$4500

GREASE RACK

(1175) NO. 3501 HOPKINS ST., **OAKLAND**. One - story tile grease rack. Owner—T. J. Reddy, 6937 Lacey Ave., Oakland. Architect—Not Given. Contractor—Geo. W. Addison, 2939 Minna Ave., Oakland. \$1000

ADDITION

(1176) SW TWENTY-EIGHTH AND Union Sts., **OAKLAND**. One-story brick and concrete addition. Owner—Knox Cleaners, Inc., 28th and Union Sts., Oakland. Architect—Not Given. \$1000

DWELLING

(1177) NO. 5817 MENDOCINO AVE., **OAKLAND**. Two-story 7-room dwelling. Owner—W. N. Netherby, 3853 Lyman Road, Oakland. Architect—Not Given. \$4000

DWELLING

(1178) NO. 138 GLENWOOD GLADE, **OAKLAND**. Two-story five-room dwelling. Owner—Leo Brandt, 1439 Hopkins St., Oakland. Architect—Not Given. \$3000

STORE BLDG.

(1179) N HOPKINS ST. 180 W Laurel Ave., **OAKLAND**. One-story two-room store building. Owner—Marie Schneider, 3050 Hopkins St., Oakland. Architect—Not Given. Contractor—H. L. Valleroy, 3650 Maple Ave., Oakland. \$3000

DWELLING

(1180) NO. 5748 IVANHOE ROAD, **OAKLAND**. Two-story 8-room dwelling. Owner—C. W. Campbell, 6609 Chabot Rd., Oakland. Architect—Not Given. Contractor—W. L. Brodrick, Koerber Bldg., Berkeley. \$11,000

DWELLING

(1181) S ROCKRIDGE BLVD. 500 E Broadway, **OAKLAND**. One-story six-room dwelling. Owner—J. Ganssa, 6080 Rockridge Blvd., Oakland. Architect—Not Given. Contractor—John Fleming, 3539 Jordan Road, Oakland. \$3950

ALTERATIONS

(1182) NO. 276 ATHOL AVE., **OAKLAND**. Alter apartments and 1-story tile garage. Owner—C. P. Ferguson, Premises. Architect—Not Given. Contractor—A. E. Waldman, 386 15th St., Oakland. \$7000

DWELLING

(1183) NO. 3033 WISCONSIN ST., **OAKLAND**. One-story six-room dwelling. Owner—Jos. H. Muller, 3036 Montana St., Oakland. Architect—Not Given.

Contractor—Clarence D. Rich, 4627 Fleming Ave., Oakland. \$4000

ADDITION

(1184) NO. 3526 DIMOND AVE., **OAKLAND**. Addition. Owner—Mr. Rollins, 3526 Dimond Ave., Oakland. Architect—Not Given. Contractor—J. B. Petersen, 4021 Agua Vista Ave., Oakland. \$3000

DWELLING

(1185) NO. 152 BROADSIDE AVE., **BERKELEY**. Two-story 6-room frame and stucco dwelling and garage. Owner—Walland & Hufschmidt, 1832 Claremont Ave., Oakland. Architect—W. W. Dixon, 1844 5th Ave., Oakland. Contractor—E. M. Williamson, 3761 Allendale Ave., Oakland. \$5000

DWELLING

(1185) NO. 4007 FORESTHILL AVE., **OAKLAND**. One-story five-room dwelling. Owner—Anna M. Crane. Architect—Not Given. Contractor—Louis E. Van Ness, 4920 Park Blvd., Oakland. \$2800

DWELLING

(1186) NO. 8021 ACACIA AVE., **OAKLAND**. Two-story 8-room dwelling and one-story garage. Owner—Dr. Howard E. Allen, Berkeley. Architect—Not Given. Contractor—S. M. Shapero, 1245 Berkeley Way, Berkeley. \$10,500

DWELLING

(1187) NO. 5679 CARBERRY AVE., **OAKLAND**. One-story five-room dwelling. Owner—G. S. Aikers, 1650 Hopkins St., Oakland. Architect—Not Given. Contractor—C. W. Leekins, -650 Hopkins St., Oakland. \$3000

BUILDING CONTRACTS

Alameda County

154 Ryken Kraus 710

BUILDING

(154) NO. 1014 POMONA AVE., Albany. All work for building. Owner—Frank and Mabel G. Ryken, 1014 Pomona Ave., Albany. Architect—Not Given. Contractor—William J. Kraus, 1310 Marin Ave., Albany. Filed Oct. 9, '31. Dated Sept. 1, '31. Upon presentation of receipted invoices TOTAL COST, \$710 Bond, none. Limit, 40 days. Forfeit, plans and specifications, none. 155 Bernstein Johnson 2100

APARTMENTS

(155) INTERSECTION SE PIEDMONT AVE. AND NE 41ST ST., Oakland. All work for laying oak floors, furnishing and setting ironing boards and wiring same; tile work for all sinks and trays and painting exterior of apartments. Owner—Hattie Bernstein, 110 Waldo St., Oakland. Architect—Not Given. Contractor—H. E. Johnson, San Leandro. Filed Oct. 10, '31. Dated Oct. 8, '31. When 4 apartments are oak floored and outside one coat. \$500 When 9 apts. are oak floored and painting completed 500 Work completed 600 Usual 35 days 500... TOTAL COST, \$2100 Bond, \$1050. Surety, Standard Acci-

dent Insurance Co. Limit, \$0 days after Oct. 12, 1931. Forfeit, none. Specifications only filed.

COMPLETION NOTICES

Alameda County

Recorded Accepted

Oct. 13, 1931—NO. 1962 HOOVER Ave, Oakland. John Fleming to John Fleming Oct. 12, 1931
Oct. 13, 1931—NO. 3254 MORCOM Ave, Oakland. Fred T Dooley to whom it may concern.....Oct. 12, 1931
Oct. 13, 1931—NO. 2510 DELMER St., Oakland. Fred T Dooley to whom it may concern.....Oct. 12, 1931
Oct. 13, 1931—NO. 2506 DELMER ST Oakland. Fred T Dooley to whom it may concern.....Oct. 12, 1931
Oct. 13, 1931—LOTS 15, 16, 17 AND 18 Blk 55, Kellersberger's Map of Oakland. Ottile R Schubert to Webb & Whalen..... Oct. 6, 1931
Oct. 10, 1931—LOTS 29 AND 30 BLK 2, Martin Kellogg Property, Berkeley. Max Bakar to whom it may concern.....Oct. 9, 1931
Oct. 10, 1931—PTN OF THAT CERTAIN 37.17 Acre parcel of land firstly desc in deed from Realty Syndicate Co to Calif. Memorial Hospital, dated June 28, 1919, and recorded in Vol. 2796 of Deeds, Page 66, Oakland. Swen and Grace Carlsen to Gaubert Bros.....October 3, 1931
Oct. 9, 1931—NO. 5209 PROCTOR Ave, Oakland. W A Netherby to whom it may concern.....Oct. 7, 1931
Oct. 9, 1931—NO. 696 SAN LOUIS Road, Berkeley. Clyde T Wetmore to H K Schulz. Oct. 8, 1931
Oct. 8, 1931—3032 WISCONSIN ST. Oakland. John Fleming to John Fleming.....Oct. 8, 1931
Oct. 8, 1931—3038 WISCONSIN ST. Oakland. John Fleming to John FlemingOct. 8, 1931
Oct. 8, 1931—1405 EDITH ST., Berkeley. J. O and Ruth Ward to John FlemingOct. 8, 1931
Oct. 8, 1931—1st and MARKET STS. Oakland. Howard Terminal a Corp. to Albertson-McCormick Sprinkler Co. Ltd.Sept. 30, 1931
Oct. 8, 1931—Lots 1 and 2 and S 100 FT. Lots 3 and 4, Map of Rediv of Blk 9 Pacific Homestead, Oakland John Bruner Company to J. A. TurgeonSept. 28, 1931
Oct. 7—Lot 10 Blk F. Durant Manor Oakland, Dudley H. E. Beeson to whom it may concern.....Oct. 5, 1931
Oct. 7, 1931—N LINE BENNETT Place (being a ptn of lands acquired by Selma Kolster from Realty Syndicate Co, April 27, 1920 and recorded in Vol. 2912 of Deeds Page 228, Oakland. W G Needham to whom it may concern.....October 1, 1931

LIENS FILED

Alameda County

Recorded Amount

Oct. 13, 1931—SE TWENTIETH ST and Telegraph Ave, Oakland. E P Murphy (as E P Murphy Co) vs Twentieth & Broadway Realty Co; George Wagner and Chris Berg\$6665.36
Oct. 13, 1931—LOT 8 BLK 3, Grand View Terrace, Berkeley. A J Bowman (as Bowman Building Supply Co vs Dr J M Shannon and E C Wangan\$42.78
Oct. 9, 1931—SW UNIVERSITY & Shattuck A ves, Berkeley. Geo. Stoddard vs Berkeley Terminal Property, a Corp. and S M Klein\$151.60

Oct. 8 1931—S W 7th and GROVE
STS, Oakland Pan-American Wall
Paper and Paint Co. Ltd vs Jasper
N Toler, Sarah E. Toler J. M.
Ward \$78.44

RELEASE OF LIENS

Alameda County

Recorded	Amount
Oct. 13, 1931—PTN LOT 16, Thornhill Park, Oakland. B Simon Hardware Co to Henry A Stanley	\$129.03
Oct. 10, 1931—PTN LOT 16, Thornhill Park, Oakland. Percy Richardson to Henry A Stanley	\$295

BUILDING PERMITS

SAN ANSELMO

Following building permits were granted during the month of September, 1931, by Charles H. Cartwright, city building inspector of San Anselmo, Marin County.

Mrs. R. T. Walsh. Repairs. Ross Valley. Est. cost, \$2000.

Mrs. M. Lang. Garage. Lot 11 Agatha Court. Est. Cost, \$200.

P. Cleuts. Garage. Lot 2 Blk 1, Hawthorne Hills, Suffield Ave. Est. cost, \$100.

P. Cleuts. Dwelling. Lot 1 Block 1, Hawthorne Hills. Suffield Ave. Est. cost \$3000.

A. Blade. Garage. Lot 8 Block 2, Section 1, Sequia Park. Est. cost, \$50.

W. Bottini. Dwelling. Lot 12 Sub of Lots 26 to 37, Linda Vista Tract. Est. cost, \$3000.

Elizabeth M. Osthoff. Garage. Portion Lot 10 Sub of Lots 183, 184 and 189, Bush Tract. Hooper Lane. Est. cost, \$100.

E Jackson. Dwelling. Lots 337 and 338, Short Ranch Sub 2. Est. cost, \$2000.

H. W. Laster. Repairs. Lots 6, 25, 26, 27 and 28, Short Ranch Sub 1. Butterfield Road. Est. cost, \$200.

S. A. Guisti. Repairs. Lots 8, 9 & 10, Yolanda Court. Est. cost, \$500.

BUILDING CONTRACTS

SAN MATEO COUNTY

DWELLING

LOT 21 BLK 4, Millbrae Highlands.

All work for one and one-half-story frame and stucco dwelling and garage.

Owner—Edson H. Prentice.

Architect—Not Given.

Contractor—Clifton Baker, 611 Ninth Ave., San Mateo.

Filed Oct. 8, '31. Dated Oct. 6, '31.

Roof on	\$1250
When plastered	1250
When completed	3250
Usual 35 days	1250

TOTAL COST, \$7000

Bond, none. Limit, 90 working days.

Forfeit, none. Plans and specifications filed.

SCHOOL

JAMES ST., Redwood City. All work for building in school Our Lady of Mt. Carmel Parish.

Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.

Architect—H. A. Minton, Bank of America Bldg., San Francisco.

Contractor—Dowd-Weich, 3558 16th St., San Francisco.

Filed Oct. 9, '31. Dated Sept. 29, '31.

As work progresses

TOTAL COST, \$4100

Bonds \$4100. Surety, Massachusetts Bonding & Insurance Co.

Limit, Dec. 27, 1931. Forfeit, \$50. Plans and specifications filed.

BUILDING PERMITS

SAN MATEO

BUNGALOW, \$5850; Lot 14 Blk 31, 319 South Eldorado St., San Mateo owner, D. Cocconi; contractor, Ray Allen, 519 Francisco Dr., San Mateo.

RESIDENCE, \$4000; Lot 6 Blk 21, 924 S-Humboldt St., San Mateo; owner and contractor, Frank Hammond, 722 9th Ave., San Mateo.

RESIDENCE, \$1400; SW Ptn. Lot 3 Blk 7-A, 324 El Camino, San Mateo owner, J. C. Hanlon, 324 North El Camino; contractor, Harry Kimmie, 118 12th Ave., San Mateo.

RESIDENCE, \$2780; S 70 Lot 41, 537 Hurlingham Ave., San Mateo; owner, H. K. Defendorf, 537 Hurlingham; contractor, J. Looman, 125 Park Road, Burlingame.

GAS service station, \$4900; N 65 ft. Lot 1 Blk S 2422 El Camino, San Mateo; owner and contractor, Joe Piccoli.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
Oct. 3, 1931—LOTS 14 AND 15 BLK 2, Bayview Heights, San Mateo. Ca. Uffonia Pacific Title Ins Co to whom it may concern. Sept. 25, 1931	
Oct. 5, 1931—LOT 11 BLK 7, San Mateo Villa Park. Leland S. Schenk to whom it may concern.....	October 3, 1931
Oct. 5, 1931—LOT 8 BLK 56, White Oaks. Clifton S. Baker et al to whom it may concern.....Oct. 3, 1931	
Oct. 6, 1931—LOT 9 BLK A, Foy's Redwood Garden. Mark A. Haseltine et al to Sam B. Gass.....Oct. 5, 1931	
Oct. 6, 1931—PART LOT 9 BLK 2, Blossom Heath Manor. Castle Bldg Co to Henry Horn.....Sept. 24, '31	
Oct. 6, 1931—LOT 5 BLK 17, Burlingame Grove. Moore Constr Co to whom it may concern.....	October 6, 1931
Oct. 6, 1931—LOT 11 BLK — Belmont. C H Bessett Co to whom it may concern.....Oct. 1, 1931	
Oct. 7, 1931—LOT 29 BLK 3, Parkway Terrace, San Mateo. James A. Arnott to James Arnott & Son	October 5, 1931
Oct. 9, 1931—LOT 2 BLK 15, Redwood Highlands. John P. Cavanagh to John E. McCarthy	October 9, 1931

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
Oct. 8, 1931—LOT 2 BLK 9, Lyon & Hoag Sub, San Carlos. Progress Lumber Co vs Chester L. Anderson	\$333.10

Oct. 5, 1931—PART LOTS 12 AND 13 Villa Lots at Fair Oaks. Henry Hockett vs A. T. Lamerio \$34

Oct. 6, 1931—LOTS 61, 62, 65 AND 66, Palmetus Tract. Louis N. Polard vs Suzanne Perry et al.....\$165

Oct. 6, 1931—LOTS IN MILLBRAE Highlands No. 2. Mermer Lumber Co vs Guss Moeller & Sons.....\$293.98

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded	Accepted
Oct. 5, 1931—No. 135 COLLEGE AVE Lot 94x126 ft., Los Gatos. Lawrence G. and Genevieve M. Case to whom it may concern.....	October 3, 1931
Oct. 5, 1931—LOT 29, El Camino Park being Resubd of Ptn of Lots 10, 11 and 12 of the Estate of John G. Bray, Santa Clara. J. H. Ronk to whom it may concern	Oct. 1, 1931
Oct. 5, 1931—No. 68 MISSION ST., San Jose. William and Elizabeth Cameron Walsh to Daro DiFiore.....	October 5, 1931
Oct. 8, 1931—SE 56 FT. LOT 10 and NW 26 ft. Lot 9 Blk 72, Amended Map of Subd No. 8, Seale Tract, Palo Alto. Cleveland Smith to whom it may concern.....Oct. 7, 1931	
Oct. 9, 1931—SE WAVERLY AND Coleridge Sts. 150 on Waverly St. and 90 on Coleridge St., Palo Alto. Ferdinand and Josephine Bendheim to D B Gladstone.....Oct. 7, 1931	
Oct. 6, 1931—LOT 15 BLK 7, Map of Herschbachs Subd of North Glen Residence Park, Willow Glen. Augustine R. and Irma M. Calveili to whom it may concern.....Oct. 5, 1931	
Oct. 6, 1931—S GEORGE ST. 87.50 E San Pedro St. E 50 S 92 W 50 N 92 to pt of beg, San Jose. Jas J. Morella to whom it may concern	Oct. 5, 1931
Oct. 7, 1931—PTN LOT 4 BLK 8, Original Map showing Subd of University Park now Palo Alto. Rasmus M. Nelson to A G Frykman	Oct. 5, 1931
Oct. 7, 1931—LOT 8 BLK 10, Interurban Park Tract, San Jose. Elizabeth Dalton to P D McCormick	October 7, 1931
Oct. 8, 1931—LOT 23 BLK 124, Crescent Park Map No. 2, Palo Alto. J P Reinhold to J P Reinhold.....	October 7, 1931

LIENS FILED

SANTA CLARA COUNTY

Recorded	Amount
Oct. 5, 1931 — LOT 88, Catherine Dunne Ranch No. 3, 12.711 acres, San Jose. Sterling Lumber Co vs E S and Stella Brush	\$285.91 and cost
Oct. 8, 1931—S PACHECO PASS Road, Part of San Ysador Rcho, 272 acres. G A Chappell & Son vs Ikko Wada et al.....	\$2646.92

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San Francisco

BUILDING PERMITS

BURLINGAME

RESIDENCE, \$7000; Lot 16 Blk 62, Easton Drive, Burlingame; owner, D. Heugelsien; contractor, S. W. Williams Co., Ltd., 315 Primrose Road, Burlingame.

RESIDENCE, \$4000; Lot 29 Blk 4, Capuchino St., Burlingame; owner, Joseph Metcalf; contractor, O. Oxdal.

BUILDING PERMITS

REDWOOD CITY

SCHOOL, one-story and basement frame and concrete, \$40,000; No. 2200 Jefferson St., Redwood City; owner, Redwood City Grammar School District; contractor, H. H. Larson, 64 South Park, San Francisco.

BUILDING PERMITS

STOCKTON

DWELLING, rustic, 5-room and garage, \$3600; No. 636 South Central Ave., Stockton; owner, F. P. Dobson, 1150 W. Harding St., Stockton.

REMODEL dwelling, \$1000; No. 641 Lexington Ave., Stockton; owner, Nathan Reiman, Premises; contractor, Anton Larson, 123 W. Maple St., Stockton.

SUPER service station, \$7500; No. 141-153 W-Harding Way, Stockton; owner, General Petroleum Corp., San Francisco.

BALCONY, \$1800; No. 340 W-Scotts Ave., Stockton; owner, Fracer Furniture Co., Premises; contractor, T. E. Williamson, 1859 W-Park Ave., Stockton.

BOOK room, brick veneer, Washington Grammar School, \$1500; No. 302 E-Lindsay St., Stockton; owner, Board of Education, Stockton.

DWELLING, brick veneer, two-room, \$1500; No. 2114 E-Market St., Stockton; owner, Chris. Winner, 2114 E-Market St., Stockton.

BUILDING CONTRACTS

MARIN COUNTY

RESIDENCE

SAN ANSELMO. All work for two-story frame and stucco residence and garage.

Owner—Dr. Arthur Molinari, 135-A King St., San Anselmo.

Architect—Wm. E. Schirmer, 700 21st St., Oakland.

Contractor—Wm. Dwyer, 146 Calumet Ave., San Anselmo.

Filed Oct. 7, '31. Dated Oct. 5, '31.

Sheathing on.....\$1473.25

Brown coated.....1473.25

Building completed.....1473.25

Usual 35 days.....1473.25

TOTAL COST, \$5893.00

Bond, none. Limit 120 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted

Oct. 2, 1931—KENTFIELD. Ernest

E Bower to Melvin H Klyce.....

.....Sept. 30, 1931

Oct. 7, 1931—SAN ANSELMO. Max

Murray and wife to whom it may

concern.....Sept. 30, '31

LIENS FILED

MARIN COUNTY

Recorded Amount

Oct. 3, 1931—SAN ANSELMO. Mc-

Phail, Grady Co vs J G Guard.....

.....\$153.91

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded Accepted

Oct. 8, 1931—PTN LOT 20, Grammar

School Addition to Concord. H A

Lassen to whom it may concern

.....October 6, 1931

Oct. 8, 1931—W TWENTY-THIRD

St., bet Grant and Clinton Sts.,

Richmond. James T Narbett (rep-

resentative) to Tandy & Thels.....

.....October 6, 1931

Oct. 9, 1931—LOTS 11 AND 12 BLK

29, Spaulding Richmond Fullman

Townsite. L P Gambini to Alfred

Carlson.....Oct. 8, 1931

Oct. 6, 1931—LOTS 14 AND 15 BLK

23, Grand View Terrace. Philip

Marylander to J B Peppin & Carl

Johnson.....Oct. 2, 1931

Oct. 7, 1931—LOT 7 BLK 87, City

of Pittsburg. Tom and Frances

Combo to Ratzl Russo.....Sept. 29, 1931

Oct. 7, 1931—LOTS 7 AND 8 BLK

13, Richmond Fullman Home Tct.

J A Legault to J A Legault.....

.....October 6, 1931

Oct. 7, 1931—FLORALAND TRACT.

Geo A De Weese to whom it may

concern.....Oct. 1, 1931

LIENS FILED

CONTRA COSTA COUNTY

Recorded Amount

Oct. 6, 1931—LOT 2 BLK 3, Pitts-

burg Home Acres. Hutchinson Co

vs C A Hooper & Co and Percy

C Wright.....\$165

Oct. 6, 1931—LOT 7 BLK 3 (except

W 220 ft. of said lot), Pittsburg

Home Acres. Hutchinson Co vs

James E Howard.....\$137.50

Oct. 6, 1931—LOT 2 BLK 6, Pitts-

burg Home Acres. Hutchinson

Co vs Ernest E Weger.....\$127.50

Oct. 6, 1931—LOT 1 BLK 1, Pitts-

burg Home Acres. Hutchinson

Co vs C A Hooper & Co and Nick

Dobrich.....\$102.50

Oct. 6, 1931—LOT 1 BLK 3, Pitts-

burg Home Acres. Hutchinson Co

vs Frank Lipkey.....\$145

Oct. 6, 1931—LOT 3 BLK 1, Pitts-

burg Home Acres. Hutchinson Co

vs John White.....\$150

Oct. 6, 1931—LOT 5 BLK 1, Pitts-

burg Home Acres. Hutchinson Co

vs C M Brown.....\$150

Oct. 6, 1931—W 220 FT. LOT 10 BLK

3, Pittsburg. Home Acres. Hutch-

inson Co vs Lawrence Larson.....\$130

Oct. 6, 1931—W 220 FT. LOT 8 BLK

3, Pittsburg Home Acres. Hutch-

inson Co vs Hatt Greeman.....\$150

Oct. 6, 1931—LOT 13 BLK 2, Pitts-

burg Home Acres. Hutchinson Co

vs J H Franklin Sr. and J H

Franklin Jr.....\$130

Oct. 6, 1931—LOT 15 BLK 2, Pitts-

burg Home Acres. Hutchinson Co

vs J H Franklin Sr.....\$150

Oct. 6, 1931—S 50 FT. OF E 177.1

ft. Lot 8 Blk 2, Pittsburg Home

Acres. Hutchinson Co vs T

Benison and W J Thompson.....\$70

Oct. 6, 1931—PTN LOT 7 BLK 2,

Pittsburg Home Acres and right-

of-way over Lots 7 and 8 Blk 2.

Hutchinson Co vs Frances Louise

and Ralph T Gape.....\$65.50

Oct. 6, 1931—LOT 2 BLK 2, Pitts-

burg Home Acres. Hutchinson

Co vs George Lynn.....\$202.20

Oct. 6, 1931—LOT 16 BLK 2, Pitts-

burg Home Acres. Hutchinson

Co vs C A Hooper & Co and J H

Franklin Sr.....\$150

Oct. 6, 1931—PTN LOT 8 BLK 2,

except right-of-way over lots 7

and 8, Pittsburg Home Acres.

Hutchinson Co vs Charles Richner

.....\$57.50

Oct. 6, 1931—LOT 4 BLK 2, Pitts-

burg Home Acres. Hutchinson Co

vs C A Hooper & Co and George

Lynn.....\$90

Oct. 6, 1931—LOT 3 BLK 2, Pitts-

burg Home Acres. Hutchinson

Co vs William Uren.....\$131.60

Oct. 10, 1931—LOT 26 BLK 2, Pitts-

burg Home Acres. Hutchinson

Co vs Fred G Henderson.....\$150

Oct. 6, 1931—LOT 24 BLK 2, Pitts-

burg Home Acres. Hutchinson

Co vs Fred G Henderson.....\$150

Oct. 6, 1931—W 220 FT. LOT 6 BLK

3, Pittsburg Home Acres. Hutch-

inson Co vs E Lofquist.....\$125

Oct. 6, 1931—LOT 27 BLK 2, Pitts-

burg Home Acres. Hutchinson

Co vs Chas Straub and Ben H

Lewis.....\$140

Oct. 6, 1931—PTN LOT 5 BLK 3,

Pittsburg Home Acres. Hutchin-

son Co vs J A Bauman.....\$140

Oct. 6, 1931—LOT 19 BLK 2, Pitts-

burg Home Acres. Hutchinson

Co vs Harold Rogers.....\$150

Oct. 6, 1931—LOT 9 BLK 1, Pitts-

burg Home Acres. Hutchinson Co

vs Helen and Frank Latimer.....\$150

Oct. 6, 1931—LOT 3 BLK 304, Corn-

wall Subdivision, Pittsburg. G L

Tyler vs D Hugh and Lydia

Mertes and G D Gaeta et al.....\$75.85

RELEASE OF LIENS

CONTRA COSTA COUNTY

Recorded Amount

Oct. 8, 1931—E½ LOT 7, all Lot 8

Blk 14, Richmond Center Tract,

Tilden Lumber & Mill Co to Royal

E Sweet.....

COMPLETION NOTICES

SONOMA COUNTY

Recorded Accepted

Oct. 2, 1931—GRACE RANCH 104.74

3 miles SE of Healdsburg. Frank

P Grace Co to Judd Mig Co.....

.....October 1, 1931

Oct. 10, 1931—N NINTH E Wash-

ington St., Santa Rosa. Roman

Catholic Archbishop of San Fran-

cisco to Leibert & Trobeck.....

.....October 7, 1931

RELEASE OF LIENS

SONOMA COUNTY

Recorded Amount

Oct. 9 1931—LOT 21, Bakers Sub-

division No. 4, Petaluma. Harri-

man Bros; J H Arcutt; Henry

Surhoff; J Ingeen; B Christenson;

C E Northern; L E Brown; War-

ren Delaney; C M Quigg; Seiber

Mig Co; Standard Bldg Material

So and S A Peterson to Ruth and

E D Hammond.....October 1,

Oct. 9, 1931—253 Acres, 183 certain

exceptions on Petaluma and Santa

Rosa Highway. Sterling Lumber

Co to F L and Marle Yarbrough.....

.....\$185.89

An aid in keeping abreast of new developments in welding equipment, Joseph T. Ryerson & Son, Inc., Chicago, Ill., has issued bulletin W, in which the newer types of welding rod and equipment are illustrated and described. Extensive information on uses is also included.

COMPLETION NOTICES

MONTREY COUNTY

RecordedAccepted

Oct. 5, 1931—S 27½ FT. LOT B and all Lot C and N 4½ ft. Lot D, Rikers Addition to Salinas, Mattie L. McDougall to T C Roth and E E Cavano.....Sept. 24, 1931

Oct. 5, 1931 — LOT 27 BLK 17, Springs Addition to Salinas, Jens T Lund to Wallace L Richmond.....October 5, 1931

BUILDING PERMITS

SACRAMENTO

RESIDENCE, 6-room and garage, \$5000; No. 917 Third Ave., Sacramento; owner, Wm. Murcell, 200 V St., Sacramento.

OFFICE building, brick, 1-story, \$11,000; No. 1700 L St., Sacramento; owner, Pauline Meister; contractor, Wm. Murcell, 200 V St., Sacramento.

RESIDENCE, 6-room & garage, \$4500; 1305 57th St., Sacramento; owner, F. Banducci, 1301 57th St., Sacramento; contractor, Frank Sarmiento, 2030 24th St., Sacramento.

RESIDENCE, 7 rooms and garage, \$5000; 1116 Perkins Way, Sacramento; owner and contractor, W. B. Phillips, 2101 9th Ave., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

RecordedAccepted

Oct. 8, 1931—PTN. LOT 64 BLK 12, Maple Park Amd. Eva Neves Ely to whom it may concern.....Oct. 5, 1931

Oct. 8, 1931—W 50 FT. LOT 2803, Sacramento Heights. J Roloff to whom it may concern.....Oct. 6, 1931

Oct. 8, 1931—LOT 75, Swanston Park Unit No. 1, Sacramento. Joseph Pierce to whom it may concern.....Oct. 3, 1931

LIENS FILED

SACRAMENTO COUNTY

RecordedAmount

Oct. 9, 1931—LOT 1, O, P, 11th and 12th Sts., Sacramento. Scott Plumbing & Electric vs. Chas W Heyer Jr and Herlinda Heyer.....\$805.89

BUILDING PERMITS

FRESNO

DWELLING and garage, \$4000; No. 3905 Kerckhoff Ave., Fresno; owner, A. R. Eklund.

DWELLING and garage, \$4000; No. 1118 Poplar Ave., Fresno; owner, and contractor, Carl Gustafson, 1602 Poplar St., Fresno.

COMPLETION NOTICES

FRESNO COUNTY

RecordedAccepted

Oct. 10, 1931—LOT 35, Terra de Gardes Taylor-Wheeler, Inc. to whom it may concern.....Oct. 7, 1931

Oct. 9, 1931 — HALFWAY PUMP Station (steel roof, etc., on tank). Associated Pipe Line Co. to Western Pipe & Steel Co.....Oct. 5, 1931

ENGINEERS REACH MAXIMUM EARNING

POWER AT 55 A.S.M.E. SURVEY SHOWS—

SALARIES LOW IN FAR WEST—HIGH IN N. Y.

Earning power of the typical mechanical engineer is greatest at the age of fifty-five, according to a report of a survey made public by The American Society of Mechanical Engineers, the largest engineering society in the world, with a membership of nearly 20,000.

The maximum professional income of one-half of the mechanical engineers of the country who were at this age in 1930 was \$7600. A quarter of the group earned \$12,500, and one-tenth more than \$25,000. Salaries are lowest in the Far West, the highest in New York.

"Engineering earnings do not decline seriously with age," declared the report, prepared by the Society's Committee on the Economic Status of the Engineer under the direction of Prof. Elliott Dunlap Smith of Yale University.

"Median earnings of men over sixty-three years old practically equal those of men forty-eight to fifty-two years old. The lower boundary of the top ten per cent is as high after sixty-three years of age as it was from fifty-three to fifty-seven. Even the upper boundary of the lowest ten per cent, where the peak is reached at from forty-three to forty-seven years, does not decline after sixty-three to substantially less than it was at from thirty-three to thirty-seven.

"Managers, consultants, and teachers show little falling off in old age," the report continued, "but designers, research men, and technical operating men show an age drop after fifty."

The differences in earning power between highly paid men and men in the middle salary ranges were found to be "strikingly great," the lower boundary of the highest ten per cent at its maximum being 233 per cent higher than the maximum of medium earnings.

The findings are based on 1930 earnings as reported by 9199 mechanical engineers. At that time, it was explained, the effects of the present depression had not seriously affected professional salaries, and few salary cuts had been made.

"The figures," it was pointed out, "do not refer to average, but to 'median' earnings. Median earnings give a truer picture than average earnings, because the exceptional salaries of the few men at the top inflate the mathematical average far above the earnings of the typical man; while the median, which is determined by position in the earning scale, not by averaging of salaries, is uninfluenced by exceptional top salaries.

"Average earnings are usually much more than median earnings. For example, the average of 1930 professional earnings of mechanical engineers between the ages of fifty-three and fifty-eight—the age of maximum earning power—was \$10,200, which is more than thirty-six per cent greater than the median earnings at those ages, which was \$7600.

"We believe these figures to be the most reliable that have been obtained as to engineering earnings. They are based on replies from over fifty per cent of the membership of the American Society of Mechanical Engineers in the United States."

The maximum earnings at the upper boundary of men in the lowest ten per cent, it was disclosed, are earned by men between forty-three and forty-seven years old; the maximum earnings at the lower boundary of the top ten per cent are earned by men from fifty-eight to sixty-two

years old. From the start, however, although the increase in dollars per year may be more, earnings at all salary boundaries generally increase at a slower ratio each successive year as men grow older, with a significant turning point in rate of increase between thirty-five and forty years of age, as well as at the maximum.

Not only do salaries increase more rapidly in youth, but the rate of spread between the salaries of highly paid and low-paid men is greatest in early years.

"If median 1930 earnings are considered as the earnings of the typical engineer, and it is assumed that the typical engineer marries at twenty-six years of age, and has two children at thirty," the report continued, "the balance sheet of earnings and responsibilities on the 1930 basis will be about this: He will have about \$2700 to marry on; when his second child is born he will have about \$3500 with which to support his wife, his two children, and himself. When he is forty-five and his two children are entering high school, he will have about \$6500 for his family income.

"At the age of fifty, twenty-eight years after he himself was graduated from college, he will have two children in college and earn about \$7000 a year. If he gives each child \$1000 a year for tuition and expenses, he will have \$5000 left to support his wife and himself. At sixty, with his children presumably self-supporting, he and his wife will have \$7500 a year to spend, but must look forward to a declining earning power to \$6500 after sixty-three."

The New York Metropolitan district gives the highest median earnings at all ages below sixty-three, but these are not substantially above earnings in the Middle Atlantic states except for men over forty, or the Middle West, except for men over fifty. "If the cost of living is taken into account there would probably be but little, if any, differential in favor of New York below that age," the report asserted. "There must be a sharp increase in earnings in New York City for men in the fifties is due to the calling to this city of leading men from other areas, it is impossible to determine.

"In the Middle West, median earnings are slightly above the United States median until fifty, after which there is a striking decline in earning power. The Middle Atlantic states fall behind the median of the United States at forty, but practically catch up at fifty-five, and are well above the United States median at sixty-five, although at the higher salary boundaries earnings remain low. Between thirty-five and fifty-five years of age, New England earnings are approximately \$500 less than the median of the United States as a whole. After sixty they are nearly \$800 less.

"In the South young men under thirty-five earn well, but thereafter median salaries are consistently low, averaging over \$1000 below the United States median, but salaries at the higher boundaries are not below the country as a whole, even for men in their forties.

"In the Prairie and Mountain, and Pacific states earnings are distinctly the lowest at all ages, except for children in the Pacific state for men between thirty-eight and forty-two, who earn a little above the United States

median, and salaries in the Prairie and Mountain states between forty-eight and fifty-two, which equal those of the South."

The survey committee concluded that a good education is "worth while," saying:

"Apart from railroads and academic institutions, the differences between industries are regards salary opportunities are not great at most ages."

"The differences in earning power between men whose work is exclusively technical and those who combine with their technical ability the capacity to handle independent businesses or to manage men or affairs, are great so great as to indicate the importance of most engineers' seeking to develop themselves in this respect, and of engineering schools' bending their curricula somewhat toward this end."

The statistical computation was directed by Prof. Hudson B. Hastings of Yale.

Hardwood lumber will be graded on a cutting basis instead of a defects basis, after Jan. 1, 1932, and the number of cuttings regulated by surface measurements, in order to give each group of hardwood consumers a product better suited to its particular requirements, the thirty-fourth annual convention of the National Hardwood Lumber Association in Chicago, decided by a vote of 100 to 50, according to the American Lumberman. It could not have been closer, for this is exactly the two-thirds majority required to effect the change—a majority lacking by only 12 votes in the 1927 convention and by 28 in the 1928 convention when similar provisions for changes were proposed.

Increased income tax deductions for depreciation of the cost of leaseholds and leasehold improvements will be allowable under an important decision just rendered by the U. S. Circuit Court of Appeals for the Second Circuit, holding that the computation is to be based on the original lease term without regard to optional renewal periods, according to J. S. Seidman tax expert of Seidman & Seidman, certified public accountants.

"As a result of this decision," Mr. Seidman explained, "leasehold owners will be entitled to increased annual depreciation deductions during the original term of the lease, since the rule heretofore has been, as laid down by the Board of Tax Appeals, that in figuring depreciation the period over which it is to be spread is not only the original term, but also the optional renewal period where the tenant has the renewal privilege. On account of adding the renewal period, this meant a smaller annual charge-off during the basic term. When the tax case of Bonwit Teller & Co., came up, and it involved this point, the company took issue with the Board's decision, and appealed to the Circuit Court of Appeals. Its contention before the court was that the renewal period should be ignored since it was doubtful whether or not the lease would be renewed, and to reduce the depreciation deduction on account of a possibility of renewal that may or may not in fact materialize, was improper. The Court sustained this contention and reversed the Board."

No more important problem faces the average American city than how to provide best for the travel needs of its citizens, according to M. O. Eldridge, assistant director of traffic, District of Columbia, who is chairman of the committee of the city officials' Division of the American Road Builders' Association, that is studying the subject.

The United States has been trans-

formed from a country predominantly rural to one predominantly urban. Cities are increasing in number, area and population as people are drawn by economic necessity to congregate in the vast industrial and commercial centers. In this transition the necessity for efficient and convenient transportation within and adjacent to cities has been acute.

Directors of traffic are forced to secure maximum results from the limited facilities available and certain sections of the traffic report will deal with this phase of the problem.

The interpretation of the general concept of right-of-way, the laning of traffic, safety zones, traffic control at circles and multiple intersections, and the application of a measuring stick to the needs of parking, are subjects which will be reported.

Reducing accidents and congestion by proper design and the radii of curbs at intersections will be included with the idea of eliminating in the design of future improvements the undesirable conditions which are proving a serious handicap to a smooth, uninterrupted flow of traffic.

ENGINEERING SOCIETIES EMPLOYMENT SERVICE

Further information regarding positions listed in this column is obtainable from Newton D. Cook, Room 715, 57 Post Street, San Francisco. (Phone Sutter 1684).

R-3633-S SALESMAN, experienced, preferably with training in medicine, to develop the sale of a new therapeutic lamp producing infrared rays. Should be able to finance self. Commission only. Headquarters, San Francisco.

R-3667-S MALTSTER, experienced, with good knowledge of both theory and practice of brewing methods, to improve methods and establish

standards of operations. Compensation would be arranged on either a temporary or permanent basis. Transportation paid. Location, Northern Mexico. Headquarters, San Francisco.

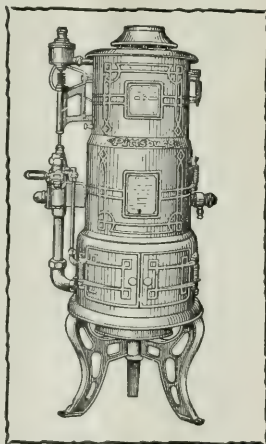
W-3157 BACTERIOLOGICAL CHEMIST to do laboratory development work on the production of acetone, butyl-alcohol, citric acid and other chemicals for commercial research. Apply only by letter. Location, South America.

W-3158 AGRONOMIST or soil specialist, to work on sugar cane, fertilizers, and irrigation. Apply only by letter. Location, South America.

W-3156 CHEMICAL OR MECHANICAL ENGINEER, young, who has had experience in manufacturing cane sugar, to assist fabrication superintendent as superintendent of manufacture, but not as superintendent of mill. Apply only by letter. Location, South America.

W-2999-S (K-382) TIME STUDY ENGINEERS. Must be expert analysts, thoroughly familiar with the different accepted incentive wage payment plans, have pleasing personalities and the facilities to put the work across. Should be at least 28 to 30 years old, and have had at least five years' practical experience, personally making time studies, analyzing them themselves and putting them across to a successful finish. Apply only by letter. Location, West Coast.

R-3671-S YOUNG ENGINEER, preferably mechanical, to start in on the ground floor with a company holding patent rights on spray nozzle for solid injection Diesel engines. Work will be to design and adapt the unit of engines of different manufacturers as contracts are secured. Company is organized and considerable development work has been done. Will only consider applicants who can purchase stock after investigation. Location, San Francisco.



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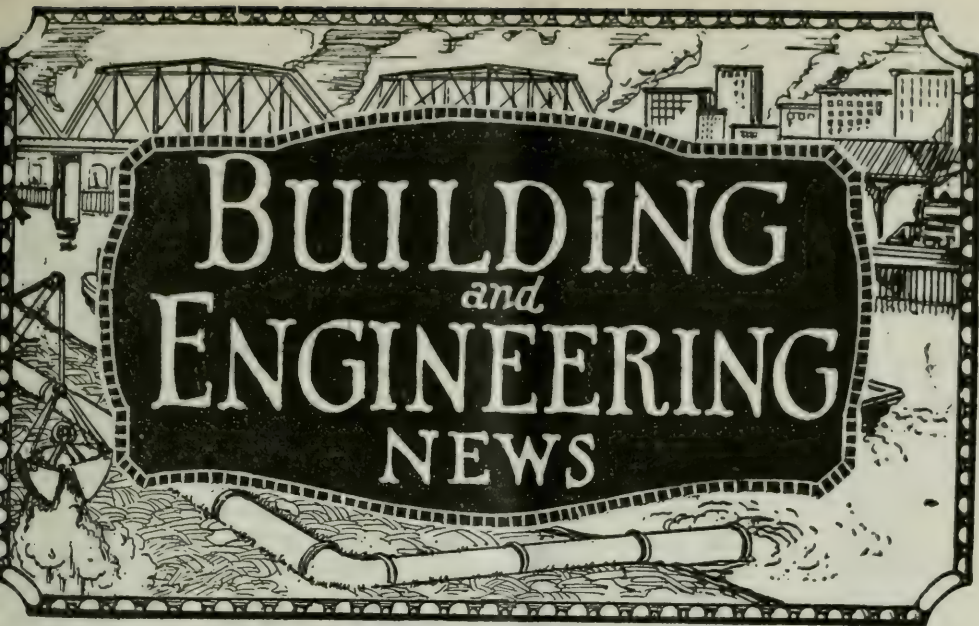
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Thirty-fifth Year, No. 43

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Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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FIVE-DAY WEEK IS MAKING PROGRESS

Information gathered by the U. S. Bureau of Labor Statistics from 37,587 concerns employing nearly 4 million persons indicates that the 5-day week has been making real progress as a permanent labor policy.

Concerns representing 2.4% of those replying to the Bureau's questionnaire and employing 5.6% of the workers covered have permanently adopted the 5-day week. A considerable number of others are temporarily on the short week, ready to continue on it even when business improves.

The building industry has gone farthest. In 1930, 55.5% of building tradesmen covered in an extensive survey by the bureau had adopted the short week. In June, 1931, the 5-day week was in existence in 190 cities and towns for one or more crafts in building work and in 44 cities and towns all crafts were working a basic 44-hour week.

Next in importance is the automobile industry. Of the 185 concerns replying to the bureau's questionnaire 22, employing 44.3% of all the workers represented, were on a permanent 5-day week basis. According to proportion of employees ratio was next with 34.4% on the short week; then followed dyeing and finishing textiles, 27%; aircraft, 24.9%; mechanical rubber goods, 24.1%; tobacco, 23.3%.

Of the total 37,587 concerns replying 673, employing 221,587 of the total 3,720,792 workers, are on a 5-day week; 234 concerns use the 5-day week for part of their forces.

KERN CONTRACTORS SEEK WAGE REDUCTIONS

Seeking to have the Kern County Board of Supervisors officially adopt a new wage scale to be paid on county work, the Associated Contractors of Eatersfield have submitted to the Kern County Union Labor Building Trades Council a schedule scaling from \$1 to \$2 a day from wages of skilled laborers engaged in construction work.

This was revealed by L. H. Moon, secretary of the contractors, and it was said that the Associated Contractors have asked that the labor unions join in the request for the adoption of this schedule by the county solons.

The new schedule does not lower wages of common labor, fixing \$5 a day as a minimum. Bricklayers are reduced from \$12 a day to \$10 a day; carpenters, from \$9 to \$8; plumbers, from \$11 to \$10; plasterers, from \$11 to \$10; electricians, from \$10 to \$9; painters, from \$9 to \$8; cement finishers, from \$9 to \$8; hod carriers, from \$8 to \$7; lathers, from \$9 to \$8, and sheet metal workers from \$9 to \$8.

ARIZONA WAGE LAW COLLAPSES

Arizona's attempt to maintain a high standard of wages by law collapsed last Friday, due to a Supreme Court ruling that such legislation is unconstitutional.

The last session of the legislature passed a bill requiring contractors on public works to pay full "current wages per diem." It became a law when signed by Governor Geo. W. P. Hunt.

Carl S. Smith, Tucson carpenter, accused the Jay J. Garfield Building Company with violation of the law. The trial court dismissed the complaint on the grounds the law was unconstitutional because the current wage provision was so uncertain as to deprive the contractor of his property without due process of law.

Smith appealed. The State Supreme Court sustained the trial court, thus wiping the "high wage law" off the books.

National Registration Bureau Wins Favor of Engineering Examiners

Establishment of a national bureau of engineering registration was approved by the National Council of State Boards of Engineering Examiners at the Council's annual convention held in Detroit, Oct. 1-3.

The establishment of such a bureau as the best means of establishing uniform registration throughout the country was proposed some months ago by T. Keith Legaré, retiring president of the Council. A committee was appointed by the president to work out the details of the organization of such a bureau. The national engineering societies will be asked to appoint representatives to the committee.

The Council decided to continue its work for a uniform registration law, and T. Keith Legaré was named as its representative on the joint committee of the national societies which is studying that subject.

Classification of engineering colleges was recommended by the Council's committee on accredited engineering schools. The committee was instructed to proceed with the work. A standard system of examinations also was recommended to the council by its committee on that subject.

Reaffirmation of the essential unity of the engineering profession was made in a resolution adopted by the Council. The resolution opposed any legislation tending to break down the solidarity of the engineering profession.

Eighteen of the state boards of engineering examiners in the 24 states now having license or registration laws were represented at the meeting, as well as American Engineering Council and four of the major engineering societies.

101 CITIES ADOPT UNIFORM BLDG. CODE

One hundred and one cities have adopted the Uniform Building Code of the Pacific Coast Building Officials Conference as of September 15, it is announced by C. D. Wailes, Jr., president of the conference. Twenty-six of these cities are outside of California.

California cities which adopted the code are:

Alameda, Alhambra, Alturas, Anaheim, Bell, Berkeley, Brawley, Burbank, Calexico, Claremont, Compton, Corcoran, Coronado, El Centro, El Monte, El Segundo, Escondido, Fontana, Fresno, Fullerton, Gardena, Hawthorne, Huntington Park, Inglewood, Laguna Beach, La Habra, Livermore, Long Beach, Lynwood, Madera, Martinez, Modesto, Monrovia, Monterey Park, National City, Newport Beach.

Oceanside, Ontario, Orange, Palo Alto, Pasadena, Piedmont, Pittsburg, Pomona.

Redlands, Richmond, Riverbank, Riverside.

Sacramento, San Anselmo, San Bernardino, San Bruno, San Fernando.

San Jose, San Leandro, San Luis Obispo, San Rafael, Santa Maria, Santa Monica, Seal Beach, Sebastopol, South Pasadena, South San Francisco, Stockton.

Tracy, Tujunga, Tulare, Turlock, Tustin, Ukiah, Upland, Visalia, Walnut Creek, Watsonville, Willow Glen.

Cities outside of California which have adopted the Uniform Code are:

Albuquerque, N. M.; Austin, Texas; Birmingham, Ala; Corpus Christi, Texas; Cottage Grove, Ore; Dallas, Texas; Ellensburg, Wash; Eugene, Ore; Everett, Wash; Grand Forks, N. Dakota; Grand Junction, Colo; Helena, Mont; Houston Texas; Kelso, Wash; Klamath Falls, Ore; Las Vegas, Nev; Marshfield, Ore; Medford, Ore; Monroe, La; Olympia, Wash; Prescott, Ariz; Salem, Ore; Shreveport, La; Tucson, Ariz; Utica, N. Y. and Yuma, Ariz.

U. S. S. R. PLANS 42 BRICK-CEMENT PLANTS

The program of the U. S. S. R. for 1931 calls for the construction and remodeling of 30 cement works and 12 plants for the manufacture of fire brick and silicate brick. At the same time foundations are being laid for 10 cement factories and 18 fire brick and silicate brick works.

The factories starting production in 1931 will have an output this year of 10,000,000 barrels of cement. The total program for the year calls for 35,000,000 barrels. The 1931 budget for construction work in the cement industry is set at 110,000,000 rubles (\$57,000,000), and for fireproof materials at 97,000,000 rubles.

Decision Of Impartial Wage Board

This Board has been set up in pursuance of a policy in force for several years, of reviewing wages and working conditions in the building industry of the San Francisco Bay area from time to time through the agency of an Impartial Wage Board. The Board, therefore, was not created as the result of any controversy in the industry in which issues between parties are being arbitrated.

Unlike previous Boards, this Board has been created through the co-operation of the official representatives of a majority of the organized building workers and the Industrial Association. The union representatives have joined with the representatives of the Association in selecting the three members of the Board. The participating unions and employers in the building industry, together with the Industrial Association, are pledged to abide by, and assist in enforcing, the decisions reached.

Hearings have been conducted in San Francisco and Oakland, in which official representatives of contractors in particular classes of general contractors, of builders' exchanges, and representatives of unions, have presented their views, orally, and several of these representatives have filed written data in support of their recommendations. Individual contractors, as well as individual employees, have also appeared before the Board, and other individuals have presented their views as interested citizens.

Of its own motion, the Board has sought information from agencies and individuals known to have knowledge of building conditions.

All workers and union representatives who have presented their views to the Board have urged that, in general, present wage rates be maintained. In two or three instances, special conditions were cited as justifying an increase in rates.

Majority of Contractors Urge Wage Maintenance

The great majority of sub-contractors joined with the workers and their representatives in requesting the maintenance of present rates of pay. The President of the General Contractors of San Francisco presented a resolution asking for a reduction in the wages of carpenters, stating that they were the principal craftsmen employed by the General Contractors. The Alameda County Chapter of the Associated General Contractors of America submitted a resolution in which a reduction of one dollar per day in the wages of journeymen, and of fifty cents per day in the wages of laborers, was requested. Officers of the Organization appeared in support of this resolution. The Builders Exchange of San Francisco presented a brief asking for the adjustment of all rates of pay in the building industry to correspond with the changes which have taken place in the cost of living. In illustration of this principle it was contended that the present official carpenters' scale of nine dollars per day should be reduced to seven dollars and fifty cents per day, and other scales in proportion. Individual members of the Builders Exchange and of the General Contractors Association expressed the view that a reduction in

Decision of the Impartial Wage Board for San Francisco and Alameda Counties, Building Industries, Effective January 1, 1932:

wages would not be helpful or justified at this time.

Five-Day Week Emphatically Advocated

Practically everyone who appeared before the Board, in any capacity, has recommended that official adoption of a five-day week in place of the present official five and one-half day week.

Certain contractors have urged, in order to encourage a maximum of maintenance and repair work on the part of department stores and other concerns whose operation during the day makes it essential for them to do such maintenance work between closing time on Saturday and opening time on Monday, that the principle of shift work be applied in the case of workers who have not been employed during the regular working hours of the five preceding days. It was argued that the payment of overtime, and double time for Sunday, in the case of such work, puts the unjust burden on owners, relief from which would considerably increase the amount of this work and give employment to those who are not employed.

Many who appeared before the Board expressed themselves strongly in favor of the adoption of a six-hour day instead of the present official eight-hour day. The arguments advanced in support of shortening the working day were based both on the present unemployment emergency and on conditions in the building industry and industry generally, which, it is contended, will make a shorter working day desirable and necessary as a permanent policy.

Increased Efficiency Has Reduced Labor Costs

In general, those persons in the building industry who appeared before the Board, testified to a great reduction of labor costs, due to increased efficiency. The most frequent estimate as to the amount of such reduction is around twenty-five per cent. Several of the employers who appeared also expressed the belief that building costs in the San Francisco Bay area are lower and the quality of craftsmanship higher, than in comparable areas having lower scales of wages.

Without exception, witnesses stressed the deplorable extent of unemployment one expressing the belief that some employees had not had more than a total of five days work during the present calendar year. From all the testimony presented, it would appear that, for the current year, many have had almost no work, and that two or three days a week would represent a high estimate of employment for the bulk of building workers.

Universally, those who appeared at the hearings requested the Board to use every measure within its power to insure the carrying out of its award. The need of such measures was emphasized by testimony indicating a condition of "cut-throat" competition leading to wide spread variation and

depression of rates and an increase in the hours of work. Especially does this apply in speculative home building. Responsible contractors, pledged to pay the scale, complained bitterly of this type of competition.

As already indicated, those who requested a reduction in wage rates, based their recommendation, in part, on the reduction in the cost of living, and they seemed to assume that there has been no lowering of labor costs in building. Special emphasis was laid on the desirability of adjusting the cost of the labor action in proper relation to that which has taken place in the cost of materials. It was argued that public knowledge that all the elements in the cost of building have been readjusted, would serve as a stimulus to building and thus increase the employment and incomes of building workers.

However, no one, when questioned, denied the reduction of cost due to increased efficiency, and no one maintained that the wage reductions recommended, or any reductions which it would be feasible to make, would have an important immediate effect, under existing conditions, in the direction of stimulating new construction. As the Board has sensed the testimony of those who argued for a reduction, they have done so in the belief that the moral effect of a small reduction upon the community, and upon those who might contemplate building, would be good.

Summary of Arguments for Maintenance of Scale

Official representatives or employers' organizations, union representatives and individual employers and employees, who have urged the retention of the present daily rates of pay, were emphatic in the belief that any reduction which it would be feasible to make would be without material effect in increasing building and employment. They also pointed out that building wages, even in times of normal prosperity, are not excessive when figured in terms of annual earnings, that building wages did not increase more rapidly than other wages during the upward swing of the business cycle, and that the loss of earnings, due to unemployment, has not only wiped out, several times over, and theoretical gains from the lowering of the cost of living, but has created a serious problem of unemployment relief, which would be aggravated if the rates of pay for the meager employment now available or in prospect were reduced. One or two references have been made to the disadvantage to which a reduction would put the owners of existing buildings constructed under the higher costs of previous years, but this argument was not stressed.

Joining the recommendations for maintaining the present daily rates of pay, with proposals for shortening the official working week from five and one-half days to five days, it is pointed out that to the extent that any workers are now employed for five and one-half days, and to the extent that they may have opportunity for such employment in the future, the reduction of the working week to five days would reduce the earnings of such workers by approximately nine per cent.

Recommendations for reducing the official working week to five days are based on the policy of spreading the amount of available employment over as many workers as possible. In advancing these recommendations attention was called to the fact that there is no prospect in sight for an amount of building which would make it desirable to work more than five days per week. Several persons who appeared before the Board expressed the belief that, even with a revival of building, it will become necessary to reduce the working day to six hours in order to spread available employment equitably among the qualified workers in this area.

Majority of Contractors Already Working Five-Day Week

In this connection, the attention of the Board was called to the fact that in most cases the actual working week is now five days instead of five and one-half days, and a number of employers are working on a basis of six hours a day. Several cases were cited in which, through co-operation between employers and workers, employment is designed so as to spread available work among the largest possible number of men. Representatives of employers and employees alike urged the extension of the policy of spreading work to the fullest extent possible.

Much of the testimony and data submitted to the Board related to the lack of adequate enforcement of the official scale. The Board supplemented these representations by its own inquiries and has sought comparable information in regard to other metropolitan areas. Enforcement of awards is obviously a matter of great importance, and it has therefore been made the subject of specific recommendations.

After giving careful consideration to all of the recommendations advanced, and such data as is pertinent to the issues before it, as it has been practicable to obtain, the Board has reached the following conclusions:

Working Time: The official working week in all the building crafts whose hours of labor come within the jurisdiction of the Board shall be five days.

Length of Working Day: For the present the official working day shall continue to be eight hours.

Overtime: Overtime work shall be paid at the rate of time and one-half. Work performed Saturdays, Sundays and holidays shall be paid at the rate of double time. (For additional details see Paragraph 7 of the Scale.)

Emergency Maintenance Work: Emergency maintenance and repair work for concerns whose premises cannot be vacated during business hours, may be resisted with the Industrial Association, and if found to be actually of an emergency nature, may be performed outside of the regular working hours, in shifts of not to exceed eight hours and paid for in accordance with the provisions of Paragraph 11 of the General Working Conditions.

Wage Scale: With certain minor adjustments to correct obvious omissions and discrepancies, the wage scale now in force, shall remain in effect during the year 1932 and thereafter until occasion arises for its revision.

Classification of Workers: The only classifications permissible under this award are journeymen and apprentices, except for four crafts set forth in the scale, in which helpers have always been recognized. The employment of persons designated as improvers or helper, except as just specified, constitutes a violation of the award.

Apprentice Ratios: The question of ratios between the number of journeymen and the number of apprentices in any craft is a matter to be worked out by co-operation between the Industrial Association, the employers, and the representatives of the Union. The official wage scale and general working conditions for the different crafts is attached hereto.

CONCLUSIONS AND RECOMMENDATIONS

The Board wishes to commend the action of the employers and employees who of their own initiative, have taken steps for shortening the working day, for staggering employment, and for other measures which help to mitigate distress due to unemployment. In view of the seriousness of this problem, the building employers within the different crafts are urged to co-operate with union representatives and officials of the Industrial Association in arrangements for limiting the working day or shift to six hours during the present emergency.

From the evidence presented, it appears that there is likely to be a substantial oversupply of building labor in this territory, even with a return to normal business activity. Therefore the best interests of the building industry may be advanced by taking steps looking toward the official adoption of a six-hour day. The Industrial Association, the unions and the employers, in the opinion of the Board should assume responsibility for reducing, as much as possible, the possibility of unemployment relief for building workers, and at the same time help to work out the most efficient plan for a shorter working day, if, as seems probable, the adoption of a shorter day proves to be necessary or desirable.

Concerning the maintenance of wage scales, evidence was presented which shows conclusively that the workers have suffered such a drastic reduction of earnings through unemployment as to offset many times any gain they may have made through the reduction in the cost of living. There is much distress from this cause. Moreover, the increase in efficiency, due to improved production on the part of workers, has lowered construction labor costs far more than any reduction in cost that could come from decreasing wage rates.

Those advocating a reduction in the present scales have done so with the thought that such reduction will have a certain moral effect in stimulating private building. No evidence was presented to indicate that even a small amount of building is being held up by a pending reduction in wages. A careful study of building in prospect reveals that a very large percentage is public building, which is already scheduled to proceed, and will not be affected by any changes in building wage scales.

Scales

The Board, as representing the community at large, does not wish to dismiss the labor cost factor in building, merely with the negative action of maintaining wage rates. Employers have stressed the large reduction of labor costs that have come from the increased efficiency and effort of workers. Different groups of contractors, employing a total of some forty per cent of the workers employed in the building trades, have asked for varying reductions in wage rates, partly for the moral effect and partly with the object of further reducing labor cost.

The Board is not convinced that the assumed reduction of costs for responsible contractors pledged to maintain the scale would result from any

of the reductions asked. It is of the opinion, however, that further reduction of labor costs are possible through co-operative effort. Co-operation between the Industrial Association and union representatives has culminated in the establishment of this Board. Representatives of these organizations are in a position to sit down with employers on particular jobs and work out, through increased efficiency of management and of labor, the lowest costs consistent with the maintenance of proper standards. Such savings, due to extending the field of co-operation, in the opinion of the Board, would be much greater than the small saving, if any, that would result from any proposed or practicable reduction in rates of pay.

The fact that business leaders in this community are interested in the building situation, and that this leadership is now directed along co-operative lines, places the San Francisco Bay area in a more favorable position than any other metropolitan community in the United States, to grapple with some of the basic problems of the building industry, upon the solution of which its present and future welfare depends.

The leaders of labor, as emphasized at the recent meeting of the American Federation of Labor in Vancouver, and leaders in industry, as indicated in recent utterances by outstanding executives, have expressed opinions all pointing to the necessity of industrial planning. The measures here recommended are precisely in line with the needs and the tendencies of the day.

The Board is of the opinion that there is no reason why industrial leadership in the San Francisco Bay area cannot continue to achieve through co-operation, similar results to those which employers and union representatives are achieving in other industries.

In view of the contribution which workers have made to reduce cost through increased production (estimated as before mentioned at about twenty-five per cent), and in view of the drastic reduction of earnings through unemployment, and with the extension of the scope of co-operation into questions of cost, as just proposed, the foundation is laid for enlarging the co-operative program already inaugurated, so as to cover, as far as possible, the whole building industry in this area.

In the interest of the whole community the activities of such builders as are demoralizing the labor market and the material market through "cut-throat" competition should be restrained, but lowering standards to meet such competition simply makes a bad matter worse.

Responsible contractors, purveyors of meritorious materials, far-seeing financiers and intelligent business leaders all know that "cut-throat" competition is a serious evil. They know also that apparent gains to individuals through "cut-throat" competition are bought at the price of tearing down standards, not only of wages but of quality and workmanship, for which the public finally pays. Inferior construction always results in heavy maintenance and repair costs.

It was emphasized in the hearings and is a matter of common knowledge that competitive conditions are worst in the speculative building of small homes. The operation of the New York State Housing Law has demonstrated that even under the trying conditions in New York City, homes built under proper standards of quality, cost and employment can be provided at the modest rental which people of small incomes can afford.

pay. The need for such homes is obvious.

The Industrial Association, with the banks and substantial business leaders of the community behind it, could render no more useful service than to develop a plan in co-operation with responsible builders and organized labor, for building, under fair conditions, small rental homes of good quality. With the guaranty of these groups that the values of such houses were sound, the public, through aggressive and well directed publicity, could be educated to demand their money's worth, and not merely price, in building and renting homes. Such orderly development would benefit householders, responsible builders, the purveyors of sound materials and the community generally. It would be meeting the issue constructively rather than through the dubious policy of fighting the Devil with fire.

As just set forth, the Board is strongly of the opinion that every reasonable and orderly effort should be put forth to reduce the cost of building in the interests of the community at large, which is penalized by unnecessarily high rents. Gains secured by orderly co-operation benefit everyone, and should not be retarded because of the reluctance of building owners to write off their losses as other business men have had to. Disorderly competition, on the other hand, is a national evil, which, in considerable measure, is responsible for the unfortunate condition in which the country finds itself today. The fact that speculative building has run riot in many communities is a large element in the disorganized situation which has overtaken a number of American cities.

San Francisco and the Bay area, through the co-operation already inaugurated, and through the fact that the Industrial Association has in its membership some of the most powerful and influential citizens of the community, is in a peculiarly favorable position to bring order into that portion of its building industry which is still chaotic.

The best leadership in organized labor, along with the best leadership in business, is demanding that industry set its house in order. The Industrial Association and the representatives of labor have inaugurated one of the most important tasks which can be performed in this community. If it becomes necessary to increase somewhat executive personnel and expense in order to extend the field of co-operation to the regulation of the whole industry, it will be good business to pay the price.

The Board strongly recommends that every effort be made to perfect organization on both sides of the Bay, and to bring within the scope of present operations all the responsible building contractors and workers in the industry. Steps should also be taken to secure the largest possible measure of legitimate control over those who remain outside, to the end that the wages and working conditions here laid down, and the measures of co-operation now in force and recommended, may speedily become effective throughout the industry.

The Board wishes to thank representatives of the employers, the unions, and the Industrial Association, all of whom have co-operated willingly and effectively in aiding us to do our work.

IMPARTIAL WAGE BOARD,

Henry J. Brunnier,
Will J. French,
Willard E. Hotchkiss,
Chairman.

San Francisco, California,
October 17, 1931.

WAGE SCALE AND WORKING CONDITIONS

This scale is to be considered as a minimum and employees of superior skill and craft knowledge may be paid in excess of the amounts set forth herein.

CRAFT		Journeyman	Helpers
		Mechanics	
Asbestos Workers	.....	\$ 8.00	\$.....
Bricklayers	.....	11.00	.....
Bricklayers' Hodcarriers	.....	7.00	.....
Cabinet Workers (Shop)	.....	7.50	.....
Cabinet Workers (Outside)	.....	9.00	.....
Carpenters	.....	9.00	.....
Cement Finishers	.....	9.00	.....
Cork Insulation Workers	.....	9.00	.....
Electric Workers	.....	9.00	.....
Electrical Fixture Hangers	.....	8.00	.....
Elevator Constructors	.....	10.00	7.00
Engineers, Portable and Hoisting	.....	9.00	.....
Glass Workers	.....	8.50	.....
Hardwood Floormen	.....	9.00	.....
Housemovers	.....	8.00	.....
Housemiths, Architectural Iron	.....	9.00	.....
Housemiths, Reinforced Concrete, or Rodmen	.....	9.00	.....
Iron Workers (Bridge and Structural), including Engineers	.....	11.00	.....
Laborers (6 day week)	.....	5.50	.....
Lathers, Channel Iron	.....	10.00	.....
Lathers, All Other	.....	8.50	.....
Marble Setters	.....	10.00	6.00
Marble Cutters and Copers	.....	8.00	.....
Marble Bed Rubbers	.....	7.50	.....
Marble Polishers and Finishers	.....	7.00	.....
Millmen, Planing Mill Department	.....	7.00	.....
Millmen, Sash and Door	.....	6.00	.....
Millwrights	.....	8.00	.....
Model Makers	.....	10.00	.....
Model Casters	.....	8.00	.....
Mosaic and Terrazzo Workers	.....	9.00	6.00
Painters	.....	9.00	.....
Painters, Varnishers and Polishers (Shop)	.....	7.50	.....
Painters, Varnishers and Polishers (Outside)	.....	9.00	.....
Pile Drivers and Wharf Builders	.....	9.00	.....
Pile Drivers Engineers	.....	10.00	.....
Plasterers	.....	11.00	.....
Plasterers' Hodcarriers	.....	7.50	.....
Plumbers	.....	10.00	.....
Roofers, Composition	.....	8.00	.....
Roofers, All Others	.....	8.00	.....
Sheet Metal Workers	.....	9.00	.....
Sprinkler Fitters	.....	11.00	.....
Steam Fitters	.....	10.00	.....
Stair Builders	.....	9.00	.....
Steel Pan, Concrete	.....	7.00	.....
Stone Cutters, Soft and Granite	.....	8.50	.....
Stone Setters, Soft and Granite	.....	9.00	.....
Stone Carvers	.....	8.50	.....
Stone Derrickmen	.....	9.00	.....
Tile Setters	.....	10.00	.....
Tile, Cork and Rubber	.....	9.00	.....
Auto Truck Drivers—Less than 2,500 lbs.	.....	6.00	.....
Auto Truck Drivers—2,500 lbs. to 4,500 lbs.	.....	6.50	.....
Auto Truck Drivers—4,500 lbs. to 6,500 lbs.	.....	7.00	.....
Auto Truck Drivers—6,500 lbs. and over	.....	7.50	.....
General Teamsters, 1 Horse	.....	8.00	.....
General Teamsters, 2 Horses	.....	6.50	.....
General Teamsters, 4 Horses	.....	7.00	.....
Plow Teamsters, 4 Horses	.....	7.00	.....
Scraper Teamsters, 2 Horses	.....	6.50	.....
Scraper Teamsters, 4 Horses	.....	6.50	.....

GENERAL WORKING CONDITIONS

- Eight hours shall constitute a day's work for all crafts, except as otherwise noted.
- Plasterers' Hodcarriers, Bricklayers' Hodcarriers, Roofers' Laborers and Engineers, Portable and Hoisting, shall start 15 minutes before other workmen, both at morning and at noon.
- Five days, consisting of not more than eight hours a day, on Monday to Friday inclusive, shall constitute a week's work.
- The wages set forth herein shall be considered as net wages.
- Transportation costs in excess of twenty-five cents each way shall be paid by the contractor.
- Traveling time in excess of one and one-half hours each way shall be paid at straight time rates.
- Overtime shall be paid as follows: For the first four hours after the first eight hours, time and one-half. All time thereafter shall be paid double time. Saturdays (except Laborers), Sundays and Holidays from 12 midnight of the preceding day, shall be paid double time.
- On Saturday Laborers shall be paid straight time for an eight-hour day.
- Where two shifts are worked in any twenty-four hours, shift time shall be straight time. Where three shifts are worked, eight hours' pay shall be paid for seven hours on the second and third shifts.
- All work, except as noted in paragraph 11, shall be performed between the hours of 8 a. m. and 5 p. m.

11. In emergencies, where premises cannot be vacated until the close of business, men then reported for work shall work at slight time. Any work performed on such jobs after midnight shall be paid time and one-half up to four hours of overtime and double time thereafter, provided, that if a new crew is employed on Saturdays, Sundays or Holidays which has not worked during the five preceding working days, such crew shall be paid time and one-half. No job can be considered as an emergency job until it has been registered with the Industrial Association and a determination has been made that the job falls within the terms of this section.

12. Recognized holidays to be: New Year's Day, Decoration Day, Fourth of July, Labor Day, Admission Day, Thanksgiving Day, Christmas Day.

13. Men ordered to report for work, for whom no employment is provided, shall be entitled to two hours' pay.

14. This award shall be effective in the counties of San Francisco and Alameda.

HERE—THERE EVERYWHERE

Herbert Cornelius has been named superintendent of the municipal water filtration plant for the city of Sacramento, succeeding Ralph Stevenson, resigned.

The Central Lumber Company of Stockton, formerly represented by five stockholders, is now the sole possession of S. H. Rothermel, president, and O. V. Wilson, secretary-treasurer. They have purchased also the interests of the Glendale Lumber Company of Glendale, Ore.; the interest of A. A. Snyder of Glendale, Ore., and the interest of J. W. Jacobson of Los Angeles. The purchasers paid approximately \$25,000 for the stock.

Capen A. Fleming, former manager of Chamber of Commerce industrial department, has been appointed manager of the Manufacturers' and Wholesalers' Association of San Francisco. H. J. Lawrence resigned from the position to devote his full time to private business.

Simultaneous announcement has been made by the Westinghouse Lamp Company and the Electrical Association of New York of the acquisition by the latter of the Westinghouse Lighting Institute in Grand Central Palace, effective October 1, 1931.

A. J. Raish Co., of San Francisco, has been incorporated. Incorporators are A. J. Raish, Albert C. Raish and L. M. Bettman.

More than 400 plumbers of the Northern California Federation of Plumbing and Heating Industries will meet in Berkeley, December 5, it is announced by Chas. W. Knights, president of the Berkeley Merchant Plumbers' Association. Headquarters will be maintained at the Hotel Whitecotton.

Willard Lumber Co., owned and operated by M. W. Terrill and E. E. Schlottauer, has opened yards and offices in North H street near Divisadero St., Fresno.

More than two billion, four hundred million dollars worth of construction has been let since January 1st last.

Several national organizations of dealers of material for building construction are considering inaugurating a nation-wide campaign to modernize and build now. They propose to use motion pictures to demonstrate the use of their materials as well as to stimulate immediate construction work.

The Tulare Board of Public Utilities announces it had made a formal offer

of \$120,000 to the Southern California Edison company for that organization's distribution system and other properties within the Tulare city limits. The city intends to purchase by bond issue, and buy power wholesale from the company. An answer on the offer is asked by October 15. A survey just completed by the city's engineers sets the value of the properties involved at \$112,000.

Youngstown, Ohio, in answering a questionnaire of the National Association of Building Trades reported—"Building volume will not get under way until wages have been reduced commensurate with those in other industries. Next year's construction outlook not very good."

William K. Adams has been appointed city engineer of Redding, Calif., succeeding Carl F. Mau.

The September issue of the Nation's Business in reporting discoveries in the building field says: "Rings of steel, two inches in diameter and furnished in panels, have been developed for armoring composition floors and roads. High heat insulating value, sound deadening properties and lightness are claimed for a new building material made from cement mixture and having a sponge-like appearance."

Poppel Industrial Car & Equipment Co., Koppel, Pa., has appointed H. E. Chilcoat general sales manager. He was formerly sales manager of the air dump care department of the company.

The Iron League of Chicago is inaugurating an active campaign among civic organizations for use of Chicago made products on construction work.

Concrete highway paving awards in the United States to October 3, amounted to 101,596,382 square yards, against 92,736,740 square yards in the like 1930 period, according to the Portland Cement Association. Total alley, street, and highway paving awards for September, 1931, amounted to 8,702,185 square yards, compared with 7,674,699 square yards in August and 12,082,551 square yards in September of last year. This brought the cumulative total for first nine months of 1931 to 120,745,485 square yards, against 122,975,853 in the like 1930 period.

Glenn County Supervisors have adopted a schedule of wages to apply on county road work. Under the scale, tractor drivers will get \$5 daily; grader men, \$5; truck drivers, \$4.50; laborers, \$4; man with 2 horses and wagon, \$5.50; man with 4 horses and wagon, \$7.50. Overseers and specialists will receive wages set by the supervisors for each individual case.

Celotex "Merges" Sales With Allied Companies

"Sales mergers" have added several new products to the Celotex line. By arrangement with other manufacturers, Celotex takes over the job of getting orders, but not the task of filling them. Purpose is to increase the permanent sales of the Celotex sales force and so cut the per-unit sales cost. And the addition of a new product may increase business on an old one, especially if the new product be such as will round out the line, says The Business Week.

The new products which the Celotex sales force is exploiting do round out the Celotex line of insulation and wallcovering materials. American Hair & Felt Co., Chicago, maker of "Ozite" carpet cushions and other felt and hair products, has granted Celotex exclusive use of the term "Ozite" in the building insulation field. Ozite building blanket is one product offered. Another is Lanite insulation quilt, a similar but lower priced product.

Furthermore, by contract with Alton Box Board & Paper Co. of Alton, Ill., Robert Gair Co. of New York, and The Compo-Board Co. of Minneapolis, 3 different lines of non-insulating wallboard are now in the Celotex sample cases. Two of these are considerably lower priced than Celotex proper.

Building material dealers are being persuaded that they can use the entire Celotex line to build profits when times are bad. Emphasis is laid on modernization.

Meanwhile, T. B. Munroe, vice-president of research, is busy developing new uses for Celotex, such as noise prevention and acoustical correction.

If officials of the company are not Celotex minded, it is not because they are not Celotex-surrounded. The interior of the company headquarters in the Palmolive Building, North Michigan Ave., Chicago, is furnished in a variety of Celotex wall fittings and treatments.

PRISON LABOR IN RUSS LUMBER CAMPS

Simultaneously with an announcement by the Soviet Union through its Economic Review that the second Saratov lumber mill, one of the 518 plants to be built this year in the U. S. S. R., had been completed at a cost of nearly \$4,000,000, the New York Times has published special correspondence from Vienna revealing new details of the Soviet convict labor lumber camps.

The information was received from Wilhelm Melchert, a young German engineer, who was confined to a camp near Archangel for two years for crimes committed while serving as a member of the Russian secret service. In the summer of 1930 he was sent to a great concentration camp near Archangel, which contained 35,000 prisoners from all over Russia, all of whom were engaged in the task of barking and cutting timber into mine props.

Most of these men and women were convicted prisoners working out their sentences, although a few, Melchert says, were like himself, in that they had never received a trial. The prisoners received no pay, but each male prisoner was forced to cut six cubic meters of wood a day, and each woman of whom there were from 7000 to 8000, had to cut four meters of wood before they could receive dinner.

The camp was broken up before the arrival of the American commission sent to Russia to investigate conditions in the lumber regions.

THE OBSERVER

What He Hears and Sees on His Rounds

The Illinois Federation of Labor is asking the Governor to include in a call for a special session of the Legislature, the consideration of a five-day week.

New Jersey State Highway Commission proposes handling excavating and grading operations by day labor, awarding only paving work to private contractors.

Several contractors of Denver, Colo., have served notice of coming reductions in wage scales. The former scale of \$1.50 will be reduced to \$1; \$1.37 to 93¢; \$1.25 to 87¢; 81¢ and 81½¢ to 62½¢.

The five-day week and eight-hour day have been won by over 557,921 members of the unions affiliated to the American Federation of Labor, according to figures submitted to the Federation convention at Vancouver.

Akron, Ohio, answering a questionnaire of the National Association of Building Trades reports—"The 1932 construction outlook very poor. Banks unwilling to finance investment building. Surplus of buildings of all kinds. Hope for building for next four or five years lies in alteration work."

Oklahoma has adopted a minimum wage of 30¢ per hour on state highway work which rate is to be included in all bids submitted. Record low bids averaging \$19,320 per mile were received in September and in these the 30¢ rate was used.

In point of numbers private garages led the list of buildings for which permits were issued during 1930 in 311 of 319 cities having a population of 25,000 or more. It is shown by statistics compiled by the Bureau of Labor statistics, United States Department of Labor.

Laborers on emergency highway relief work are assured a minimum of \$3 a day by the Oregon State Highway Commission. Work will be rotated to give employment to as many men as possible, estimated at between 15,000 to 20,000, during the winter months.

The President's Unemployment Relief Organization reports expenditures contracted for during the first half of 1932 of \$373,593,000. It also reports that the total expenditures of the federal government in aid of unemployment since the depression began (omitting the drought relief) will be by the end of the present fiscal year aggregate more than \$1,550,000,000.

Desiring to aid in maintaining the economic welfare of the people in California on a parity with that welfare conducive to a perpetuation of ideal Americanism, the California Department of the American Legion, according to James K. Pick, state adjutant, will make representations to state officials that the basis of compensation as provided for by the United States Department of Labor on federal work be used as the determinant method by the State of California and political subdivisions in establishing the general prevailing wage scale on all public works.

According to statistics compiled by Engineering News-Record (New York) contracts for the month of September totaled 177 millions, against 214 millions in 1930 and 323 in September, 1929. Private contracts dipped from a low of 66 millions in August to 48 millions in September. The public contracts total, on the other hand, rose from 82 millions in August to 129 millions in September, the second highest figure of the year.

James S. Dean, city manager of Sacramento, will file a report with the city council recommending against a five-day week for city employees as proposed in a resolution recently adopted by the California League of Municipalities. Dean regards the plan as impractical largely because it would affect only a small percentage of city employees and therefore would not serve the purpose for which it is intended, that of employing a larger number of persons.

Several building trades affiliated with the Baltimore Trades Council recently accepted a voluntary cut in wages. The carpenters reduced their hourly wage from \$1.10 to \$1.00 and the steamfitters cut their hourly wage from \$1.50 to \$1.25. It is reported the cuts were made to meet competition of non-union workers. It is also said that the structural iron workers are considering reducing their wage rate.

The San Joaquin County Supervisors have refused to endorse a \$25,000,000 bond issue, proposed by the County Supervisors' Association of California, as a measure to alleviate unemployment in the state. The amount, according to the plan, would be repaid by an increase of 1 cent in the tax on gasoline. It was the general opinion of the board that the public is not in favor of the issue and would not support it at the polls.

Cincinnati is being closely watched on her new system of certified homes. They are erected on a certified inspection plan as to quality and workmanship, the financing being based on true costs of land and building, rather than on a false appraisal. As a result, banks and savings and loan companies are said to be loaning a full 75 per cent on these residences.

Many building owners spend more time and money on their automobile upkeep than on the maintenance and repair of their structures. A systematic check would not be a bad idea for owners to keep posted with regard to the condition of their structures. Such a check would enable them to make repairs before damage became extensive and costly. Upkeep cost would be reduced and prevent the value of their investment from gradually dwindling.

A New Jersey Court has ruled that the painters may refuse to work and may induce others to refuse in their fight against the use of labor saving devices. The trouble arose upon the refusal of painters to work for one Bayer, who owned an interest in a paint spraying machine. The trial court gave him an injunction restraining the union from placing him on

the unfair list. The court of appeals, however, reversed the decision of the lower court, and stated that the union and its members had the right to strike and refuse to work, provided that there was no violence or intimidation used in enforcing their rules.

The movement to start the building of one thousand homes in and around Chicago has been delayed because of the fact that the promoters of the scheme could not get organized labor to agree to accept any reduction in wages or consider a plan wherein they would obligate workmen to accept certificates of interest in the trust in lieu of wages. Efforts are now being made to interest a number of people in the proposition and the originator of the idea believes that the project will be launched at an early date with all details fully developed.

Earle E. Bowe of the National Lumber Manufacturers Association in Los Angeles, in speaking of conditions in the building industry in the southern section of the state says:

"Signs of improvement in building are meager. Hopes for improvement are better. Flats and dwellings rentals are getting better.

"More prospects are calling in architects. Many prospects are still in the vague stage, but nevertheless are increasing in number. Demands for home construction loans are weak. New construction loan policies have not changed as the fourth quarter of the year starts. School construction work is quite active. Federal government building in the county is not yet very active.

"Building materials prices remain unchanged. Stocks in dealers' hands are still low."

Orders received by the General Electric Company for the first nine months of 1931 amounted to \$207,700,016, compared with \$287,651,832 for the corresponding period last year. Sales billed for the nine months of 1931 amounted to \$206,138,967.01, compared with \$287,886,541.05 for the corresponding period last year. Profit available for dividends on common stock for the first nine months of 1931 was \$30,753,850.14, compared with \$42,518,708.56 for the first nine months last year. The profit available for common stock for the nine months is equivalent to \$1.07 per share in 1931 and \$1.47 per share in 1930 on 28,845,927 shares outstanding in both periods. The quarterly dividend is 40 cents a share.

At a meeting held at Memphis, Tenn., sponsored by the Oak Flooring Manufacturers' Association, about 20 manufacturers decided to curtail production at least 50 per cent order to avoid what they claimed would otherwise be a "catastrophe," according to the American Lumberman. The manufacturers present represented about 80 per cent of the total production of flooring. The action was taken as a result, they say, of a falling off of demand during the last 30 days, which has brought the price of flooring so far below the cost of production as to make curtailment imperative.

A report of the Bureau of Census of prices paid by contractors for lumber delivered on the job, September 1, 1931, shows the price paid for Douglas fir No. 1 dimension, 2x4x16 ft. SISE at Los Angeles was \$22.50 per thousand feet. The price for Douglas fir No. 2 vertical grain flooring was \$45.50 and the price for red cedar shingles, extra clear, 16x5x2, was \$4.00.

PUBLIC WORKS URGED TO RELIEVE UNEMPLOYED

A public works program costing approximately six billion dollars was recommended as a means of unemployment relief by James H. Griffin, New York City, president of the American Association of Engineers, in the opening address at the annual convention, held in Huntington, W. Va., September 27-30.

The relief program as outlined by Mr. Griffin would provide work for approximately 3,000,000 persons or more than half of the estimated unemployed in the country and would cost approximately \$2000 per person for labor and materials.

He likened the economic situation to a war, saying: "for nearly two years the people of our own country, as well as most of the peoples of the civilized world, have been facing war. A war of a different sort, perhaps, than they faced in 1917 and 1918, but nevertheless was of a kind which calls upon the best brains and resources of a nation to successfully wage."

Des Moines Builders Seek Wage Reductions

Inability to secure any work and unable to compete with outsiders who are getting a lower rate of wages, the Des Moines, Iowa, Master Builders' Association, under date of September 18th last, notified the Building Trades that they are not willing to continue paying the old wage rate, and announce that a new wage rate effective October 31st and extending to December 1, 1932, will be the scale of wages paid to the various mechanics which their members employ.

A communication to this effect was sent to the Building Trades of Des Moines, with the expression that contractors felt that the preservation of trade unionism in Des Moines is at stake and requesting their support in putting the new wage rates into effect.

The following is the wage rate which they announce with the wages being paid at the present time.

	New	Old
Lathers	\$1.00	\$1.37½
Carpenters	1.00	1.12½
Cement Finishers	1.00	1.25
Iron Workers	1.00	1.25
Hoisting Engineers	1.00	1.25
Painters	1.00	1.50
Bricklayers	1.25	1.50
Plasterers	1.25	1.50
Common Labor .....	.55	.67½
Mortar Mixers .....	.65	
Hod Carriers-Plasterers .....	.75	.90

TEN MILLION DOLLAR PIPE LINE COMPLETED

One of the most difficult and costly pipe line projects ever attempted is nearing completion in Montana, says Northwest Builder and Contractor.

The line will connect the Cut Bank gas field with Great Falls, Helena, Butte and Anaconda, traversing rugged mountain ranges for a distance of 225 miles. The main line is 20 inches in diameter with branches varying from 8 to 16 inches to the different cities. More than 14,000 carloads of pipe will be required to complete the project. Welded pipe in 40-foot lengths is being used, every other joint being welded and intervening joints being closed with expansion steel couplings.

Winston Bros. of Seattle and Minneapolis, have the contract which is said to approximate \$10,000,000. As many as 4500 men have been employed on the project at one time.

Essentials of Rural County Planning Told By Road Executive

The essentials of the highway study plan of Morris County, N. J., under a cooperative agreement with the National County Roads Manning Commission, G. W. Farny, chairman, are given in a report of the American Road Builders' Association.

Constructive planning involves investigating, analyzing, and interpreting facts concerning:

Population trend, automobile registration and gas consumption, status of improvement of existing highways and parkways, highway traffic, taxation and wealth, climate, and topography and geology.

Adequate marginal restrictions are necessary along many main lines of travel to protect the value of adjacent property investments and to assure the desired gradual increase in the assessed valuation of these ratables. Parkways answer this need.

Parkways avoid all undesirable encroachments, conserve the natural resources, and tend to create new wealth. At the same time parkways provide in a unique manner for the fast movement of passenger vehicles, leaving other main arteries for commercial vehicles moving at slower speeds.

Segregation of passenger and commercial vehicles resulting from the opening of parkways, is highly desirable as a measure of traffic relief. The discharge capacity of a highway is increased as vehicles approach a uniform speed.

The final success of any plan depends upon its practical application. The improvement program, or the part proposed for immediate public endorsement, must be possible of accomplishment within a reasonable length of time without burdensome taxation.

BERKELEY ADOPTS COUNTY WAGE SCALE

The Berkeley Board of Education has adopted the wage scale of the Alameda County Board of Supervisors affecting construction undertaken by that body.

The highest rate of pay established by the schedule is \$11 per day, this rate applying to bricklayers, ironworkers, plasterers, sprinkler fitters, stone setters, structural steel workers and hoisting engineers on structural steel.

From the high rate of \$11 per day, the schedule runs downward to \$5.50 per day for skilled laborers and \$4 per day for common laborers or for any craft not specifically mentioned in the comprehensive scale. The scale also provides that emergency overtime be to be paid at the rate of time and a half and Sunday and holiday work is to be at the double time rate.

Reports of new orders for fabricated structural steel for the week ending September 26, 1931, were received for 100 establishments, whose capacity represented 54.6 per cent of the total capacity of all plants in the United States. The bookings reported by these establishments amounted to 12,818 tons, representing 25.4 per cent of the total capacity of reporting establishments. Reports of shipments of fabricated structural steel for the same week were received from 97 establishments, whose capacity represented 52.4 per cent of the total capacity of all plants in the United States. The shipments reported by these establishments amounted to 20,805 tons, representing 43.0 per cent of the total capacity of the reporting establishments.

CEMENT PRODUCTION CONTINUES ON DECLINE

American portland cement mills still show a decline in the ratio of operations to capacity as indicated by the figures for the twelve months' period ending August 31.

According to statistics released by the Bureau of Mines of the Department of Commerce, the ratio of operations to capacity for the last twelve months was 62.0 per cent. The ratio percentage for the twelve months ending August 31, 1930, was 65.6 per cent and for the twelve months ending August 31, 1929, was 68.2 per cent.

During the month 13,549,000 barrels were produced, 15,172,000 barrels were shipped, and stocks on hand at the end of the month were 24,311,000. Production in August, 1931, was 24.0 per cent less and shipments 25.3 per cent less than in August 1930. Stocks at the mills were 20 per cent more than a year ago.

SAN JOSE ENGINEERS TO STUDY WATER PLAN

A special committee has been named by the San Jose Engineers' Club to study the Tibbets' water conservation plan proposed by the Santa Clara Water Conservation District which proposes to issue bonds of \$6,000,000 to finance the project.

The committee appointed by the San Jose engineers to study the plan consists of Michael H. Antonacci, chairman; W. L. Popp, city engineer; M. McLean and W. D. Lotz. The committee will study engineering principles of the project, financial aspects and other phases of the plan.

Preliminary surveys and complete engineering data for the district were recently completed by Fred H. Tibbets, San Francisco, civil engineer.

Persistent rumors from Detroit say that the Ford Motor Company has scored a startling success with a small, economical oil burning car using cheap furnace oil for fuel. No word has come forth from the Ford organization to support the rumor but gossips maintain that the car will operate at an almost unbelievably low cost due to the small amount of fuel required.

DOAK OPPOSED TO REVISION OF WAGES ON FEDERAL PROJECTS

Any modification of the Federal law requiring contractors on public buildings to pay the prevailing rate of wages in the locality where the work is done will be opposed by Secretary of Labor Doak. It is indicated by a statement made by that official.

Secretary Doak does not believe the failure to provide a specific penalty for violation of the law is vital, contending that inasmuch as the law is made a part of every contract, contracting authorities have the right to withhold payments if the law is ignored. Contractors on public buildings have already received warning to this effect. The demand for a determination of the prevailing wage scale in advance of letting a contract is opposed by Secretary Doak on the ground that it would not take care of fluctuations in wages, besides it would require too much time.

More than 100 disputes regarding wages paid on Federal building projects have been settled by compromise, according to the Department of Labor.

BUSINESS OPPORTUNITIES

Names and addresses of persons or firms concerned in the following opportunities will be furnished on request to Business Opportunity Department, Daily Pacific Builder, 547 Mission St., San Francisco, or phone GARfield 3441.

21449—Representation. San Francisco. Firm in Amsterdam, Holland, is interested in obtaining representation of American manufacturers of sanitary earthenware, fire clay, fittings for steam, gas and water, roller bearings, and tools.

21450—Telephone Unit for Export. San Francisco. Distributor of inexpensive, small duplex telephone wishes contact for Japan and China trade. Sold through electric stores, toy departments. An appliance as well as a toy.

Atlas Metal Spinning & Sheet Metal Works, 889 Pacific Ave., San Francisco, desires to secure sales representative to cover the territory between San Francisco and Chicago calling on wholesale houses.

F. J. Waldecker, Advance Pattern & Production Co., 1545 Temple Ave., Detroit, Mich., doing machining work is desirous of securing distributor for a new bender used for bending hangers, struts, studs, etc.

Thos. N. Scoville, Redco Distributing Co., 1431 Broadway, New York City, wishes to secure local manufacturer to represent.

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ENGINEERING SOCIETIES EMPLOYMENT SERVICE

Further information regarding positions listed in this column is obtainable from Newton D. Cook, Room 715, 57 Post Street, San Francisco. (Phone SUTter 1684).

R-3675-S SALESMAN, preferably experienced selling fabricated non-ferrous metals and able to work on the largest customers because of his knowledge of the business. Salary open. Apply by letter. Location, San Francisco.

W-3156 CHEMICAL OR MECHANICAL ENGINEER, young, who has had experience in manufacturing cane sugar, to assist fabrication superintendent as superintendent of manufacture, but not as superintendent of mill. Apply only by letter. Location, South America.

W-3029-C-S (K-380) CHIEF CHEMIST for sugar plant, to take charge of field and factory laboratory. Man experienced in agricultural chemistry as well as plant control preferred. Salary, \$300 a month and board and transportation. Apply only by letter. Location, South America. Headquarters, New York.

W-3093-C-S MINING ENGINEERS to sub-lease part of gold concession in Peru controlled by American mining engineer. Man or two men working together, have to provide own capital (at least \$5000 each), pay royalties to government of 10-15% and to concessionaire, latter amount to be negotiated; also provide equipment and operate as their own claims. District said to be rich in gold. High altitude and healthy. Apply by letter.

W-3009-C-S (K-377) ENGINEER with laboratory experience in formulating industrial finishes, baking japans and enamels of the bakelite and phthalic anhydride base enamels. Apply only by letter. Location, Middlewest.

W-2999-S (K-382) TIME STUDY ENGINEERS. Must be expert analysts, thoroughly familiar with the different accepted incentive wage payment plans, have pleasing personalities and the facilities to put the work across. Should be at least 25 to 30 years old, and have had at least five years' practical experience, personally making time studies, analyzing them themselves and putting them across to a successful finish. Apply only by letter. Location, West Coast.

R-3671-S YOUNG ENGINEER, preferably mechanical, to start in on the ground floor with a company holding patent rights on spray nozzle for solid injection Diesel engines. Work will be to design and adapt the unit to engines of different manufacturers as contracts are secured. Company is organized and considerable development work has been done. Will only consider applicants who can purchase stock after investigation. Location, San Francisco.

PRICES OF MATERIALS ARE LOWEST IN YEARS

An advertising firm in Iowa which supplies a home modernizing advertising service points out that various building materials are lowest in price since several years. The figures used are quoted below:

Year of Preceding	Lowest Price
Lumber	1913
Flooring	1925
Plumbing	1917
Heating	1921
Glass	1916
Hardware	1914
Furniture	1918
Paint	1917
Millwork	1913

BRIDGE CONSTRUCTION WILL AID UNEMPLOYED

Construction of 350 necessary bridges this winter at a cost of \$3,500,000, is Ohio's answer to the unemployment problem, according to O. W. Merrell, state director of highways. Governor White's relief bridge building program, he states, will provide work this winter for thousands of Ohio residents and will give the public earlier use of improvements at moderate cost because of present material prices. Bridge construction is particularly suitable during a period of unemployment, he points out, because "labor receives a greater share of the bridge-building dollar than for other highway activities in which machinery performs much of the work."

The bridges are all needed and their construction now will save taxpayers money and provide work for the unemployed. Of the 6,700 bridges on Ohio highways, 1,600 were found to be too tight to safely bear the legal traffic load, a survey showed. "It is clear," Merrell said, "that a construction program of 350 bridges can be carried on without questionable expenditures."

The program is planned in cooperation with the State relief committee and a list of unemployed will be furnished the contractor by a committee in each community.

New equipment reported to be manufactured by a prominent foreign concern, is expected to be placed on the market in the near future for the home showing of sound films, says a Wall Street report. The apparatus to be available in seven different sizes is operated from ordinary electric outlets.

G. E. EMPLOYMENT PLAN AIDS EMPLOYEES

Affirming its confidence in the future of the electrical industry, the General Electric Company has offered its shop employees a plan which would virtually guarantee them six months employment beginning November 1. The new proposal, which is called "a plan to prevent further layoffs for lack of work," is to be voted on by employees of the company who are members of the General Electric unemployment pension plan, which embraces the great majority of all shop employees of the company.

Approximately \$1,000,000 has already been distributed to General Electric unemployed during the 10 months since December 1, 1930, when the unemployment payments under the unemployment plan were started. One-half of this was contributed by the employees working half time or more and the other half by the General Electric Company.

The plan, as described by President Swope, is "to so divide the work that there will be no further layoffs for lack of work between November 1, 1931, and April 30, 1932, without compensation; and that all those on the payroll November 1, 1931, will receive during this period not less than the equivalent of one-half of their average weekly earnings for full time, but in no case more than an average of \$15 a week. If actual earnings are above that average, however, the employee is to receive his actual earnings."

The method of insuring this result is to be three-fold. Employees are to be assigned work outside their regular work, if necessary, at the prevailing rates to pay for such work. The unemployment emergency fund, which has been operating since December 1, 1930, is to be augmented by increasing the contributions of one per cent of earnings now being made by all employees who are working more than half time to two per cent, the company increasing its own contribution to match these of the men. Finally, if these two methods are inadequate, the board of directors of the company will be asked to authorize additional payments by the company to the unemployment emergency fund without increasing the employees' contributions to the fund.

The New York state joint legislative committee of unemployment is considering elimination of out-of-state contractors, labor and products. The committee is understood to have called for the following action in a preliminary report to the legislature: Limit state contracts to firms residing within the state for at least one year; use materials produced within the state whenever possible; workmen employed must have resided within the state for at least one year; preference to be given workmen with dependents and without means of support; no fees to be charged or received for providing employment; and no labor camps to be established.

R. B. Williams, construction engineer of the Kittitas division of the Yakima project (U. S. Bureau of Reclamation), has been appointed chief of the engineering division of the Washington office to succeed Charles A. Bissell, who resigned some months ago to accept a position with the Metropolitan Water District at Los Angeles. Mr. Williams expected to enter on his new duties on October 1, but this arrival will be delayed owing to a recent break in the Yakima River Tunnel.

Building News Section

APARTMENTS

Sub-Bids Being Taken.
APARTMENTS Cost, \$10,000
OAKLAND, Alameda Co., Cal. No. 171-15-17 25th Avenue.
 Two-story and basement frame and stucco apartments (4 4-room apts.) composition roof, steam heat, hardwood floors, colored tile baths and kitchen.
Owner and Builder—S. E. Lovett, 1706 27th Ave., Oakland.
Architect—Withheld.

Contract Awarded—Sub-Bids Being Taken

APARTMENTS Cost, \$25,000
SAN FRANCISCO, S. Chestnut St. 137 W. Laguna.
 Three-story and basement frame and stucco apartments (9 apts.)
Owner—U. & L. Adda, 1725 Chestnut Street.
Plans by owner.
Contractor—G. Harder, 1233 41st Ave.

Construction To Start Shortly.
APARTMENTS Cost, \$400,000
LOS ANGELES, Cal. No. 401 Rossmore Avenue.

Thirteen-story Class A reinforced concrete apartments (135x150 ft.)
Owner and Builder—Harry Feigenbaum, Union Bank Bldg., Los Angeles.
Architect—Not Given.

Sub Contracts Awarded
APARTMENTS Cost, \$25,000
SAN FRANCISCO, Brooklyn Place S Sacramento St.

Four-story and basement reinforced concrete (11 2 and 3-room apts.; steam heat, composition roof, tile baths, hardwood floors).
Owner—Long Tong Tien Wee Association.
Architect—P. W. Dakin, 625 Market Street.

Contractor—F. R. Siegrist Co., 604 Mission St.

Electric—Seabeach Electric, 1021 Guerrero St.

Plumbing—J. J. McLeod, 1246 Golden Gate Ave.

Marble—Clervi Marble Co., 1721 San Bruno Ave.

Brick—Emil Hogberg, 666 Mission St.

Painting—J. Chaban, 2203 Park St.

CHURCHES

Contract Awarded.
CHURCH Cost, \$65,000
MODESTO, Stanislaus Co., Cal.

Reinforced concrete church (seating capacity of 1000); tile roof, steam heating system, chapel, Sunday school quarters, gymnasium, etc.)

Owner—First Methodist Church (Rev. Loeffbohr, Pastor).

Architect—G. N. Hilburn, 1312 I St., Modesto.

Contractor—H. Tennyson, 125 Poplar St., Modesto.

Contract awarded on a cost plus basis.

FACTORIES AND WAREHOUSES

Segregated Bids Being Taken.
WAREHOUSE Cost, \$4500
OAKLAND, Alameda Co., Cal. Thirty-third and Ette Sts.

One-story frame and corrugated iron warehouse (5000 sq. ft.)
Owner—Sterling Lumber Co., 32nd and Ette Sts., Oakland.
Architect—Ed. A. Nickel, 1935 Berryman St., Berkeley.

Contract Awarded Cont. Price, \$843
BUILDING AND BARN
STOCKTON, San Joaquin Co., Cal. County Fair Grounds.

Roof covering for livestock building and hog barn.

Owner—County of San Joaquin, Eugene Graham, County Clerk.

Architect—Not Given.

Contractor—Stockton Roofing Co., 736 N. Hunter St., Stockton.

Plans To Be Revised.
WAREHOUSE, ETC. Cost, \$18,000
SAN FRANCISCO, No. 68 Rincon Avenue.

Three-story Class C reinforced concrete warehouse and offices.

Owner—Patterson-Pacific Parchment Company.

Architect—F. H. Slocombe, 3830 Harrison St., Berkeley.

Contractor—Harry C. Knight, 327 17th St., Oakland.

Contract Awarded.
STEEL SHELVING

Cont. Price, \$3485

SAN FRANCISCO.
 Furnish and install heavy duty steel shelving in Central Warehouse for the Bureau of Supplies (under Proposal No. 755)

Owner—City and County of San Francisco, Leonard S. Leavy, City Purchasing Agent.

Architect—Not Given.

Contractor—Lyon Metal Products Co., Inc., Hunter-Duila Bldg., San Francisco.

Preparing Plans.
LAUNDRY & FLAT Cost, \$12,000
SAN FRANCISCO, E Twenty-sixth St. 25 W Capp Street.

Two-story Class C brick laundry and flat (6 rooms; tar and gravel roof)

Owner—A. Lacrouis.

Architect—G. A. Berger, 309 Valencia St., San Francisco.

Bids will be asked in one week.

Laundry portion will have reinforced concrete floors. Flat will have hardwood floors throughout.

SKILSAW Portable Electric Hand Saws (4 models).

SKILSAW Portable Electric Sander

SKILSAW Radial Arm Attachments.

SYNTRON Portable Electric Hammers (4 models, motorless).

MALL Flexible Shaft Machines (50 models).

Electric Drills, Grinders, Buffers, Routers, Lock Mortisers.

PETER H. NELSON

Labor Saving Portable Electric Tools.

1248 Mission St. Underhill
 San Francisco 7662
SALES . SERVICE . RENTALS

Contract Awarded.
ADD TO FACTORY Cost, \$10,000

SAN FRANCISCO, No. 430 Main St.

One-story addition to factory.

Owner—W. C. Bemiss, 430 Main St., San Francisco.

Architect—Not Given.

Contractor—J. Malloch, 666 Mission St., San Francisco.

Sub-Contracts Awarded
WAREHOUSE Cost, \$50,000

OAKLAND, Alameda Co., Cal. Alice St., between 4th and 5th Sts.

One-story reinforced concrete warehouse (concrete floors, tar and gravel roof, steel trusses), 30,000 square feet.

Owner—Merchants Express & Draying Co. (Mr. Scott in charge), 1640 18th St., Oakland.

Architect—Withheld.

Contractor—N. Weirk, 1560 Alice St., Oakland.

Reinforcing Steel—McGrath Steel Co., 354 Hobart St., Oakland.

Structural Steel—Judson Pacific Co., foot Park St., Emeryville.

Plastering—Exline, Thorndike & Towne, 725 East 12th St., Oakland.

Electric—T. Rosenberg Co., 411 Webster St., Oakland.

Cement—Nat Lena, 2307 Encinal Ave., Alameda.

Roofing—A. K. Goodmundson, 45th Ave., and Clement, Oakland.

Sheet Metal—Yager Sheet Metal Co., 3521 Chestnut, Oakland.

Steel Sash—Detroit Steel Products Co., 63rd and Doyle, Oakland.

Sub-Contracts Awarded
MISC. BLDGS. Cont. price, \$18,997

SAN FRANCISCO, Third and Parnassus Avenues.

One-story reinforced concrete incinerator building and one-story reinforced concrete or concrete and wood frame corporation and yard building).

Owner—Regents of the University of California.

Architect—Wm. Hays Crocker First National Bank Bldg.

Contractor—J. S. Hannah, 265 Market Street.

Will have a composition and transite roof, the transite portion to be on two sides for a marquee.

Grading—Blombo Bros. & Co., 1263 14th Ave.

Roofing—United Roofing Co., Ltd., 142 Stillman St.

Concrete—DeLucchi & Son, 3007 San Bruno Ave.

Plastering—Chris Berg, 580 Market St.

Glass—Crowe Glass Co., 675 Golden Gate Ave.

Rein. Steel—Truscon Steel Co., Call Bldg.

Painting—A. A. Zelinsky & Co., 4420 California St.

Plumbing and Heating—F. W. Spencer, 2659 California St.

Structural Steel and Orn. Iron—Sims & Gray, 650 Bryant St.

Completing Plans
FACTORY Cost, \$—

LOS ANGELES, Cal. Turner to Banning St.

One-story and basement and mezzanine floor Class A reinforced concrete and brick factory (140x268), sprinkler system throughout, steel sash, lockers, etc.

Owner—Los Angeles Soap Co.

Architect—Morgan, Walls & Clements, Van Nuys Bldg., Los Angeles.
Bids will be asked about Nov. 1.
The owner will furnish and install a number of tanks. A five-story class A building, to replace a number of smaller buildings, will be erected on the site next spring. Plans for this structure have not yet been started.

Contract Awarded
ADDITIONS Cost, \$30,000
OAKLAND, Cal. S. G. St. W. 30th Ave.
Additions to factory.
Owner—Hazel Atlas Glass Co., 89th and G Sts., Oakland.
Arch.—Not given.
Contractor—Larsen & Larsen, 629 Bryant St., San Francisco.

Contract to Be Awarded
NEWSPAPER BLDG. Cost, \$—
POMONA, Los Angeles Co., Cal. S. E. Third and Thomas Sts.
Three-story and basement Class A rein. concrete newspaper bldg. (114x120), freight and passenger elevator, gas heat.
Owner—Pomona Progress-Bulletin.
Architect—Lincoln Rogers, 2412 W. 7th St., Los Angeles.
Contractor—C. T. & W. P. Stover, 116 Alexander Ave., Claremont, Cal.

Contract Awarded
NEWSPAPER BLDG. Cost, \$100,000
PASADENA, Los Angeles Co., Cal. N. E. Fair Oaks Ave. and Union St.
Two-story and basement steel frame and concrete newspaper building (133x92).

Owner—Pasadena Post.
Architect—Bennett & Haskell, First Trust Bldg., Pasadena.
Consulting Architect—F. D. Rutherford, Mills Fraser Bldg., Santa Monica.
Contractor—R. Westcott Co., 536 S. Broadway, Pasadena.

GARAGES AND SERVICE STATIONS

Construction Postponed Temporarily.
SERVICE STATION Cost, \$—
SAN FRANCISCO. Balboa Street.
One-story steel frame fireproof service station (corrugated iron, concrete foundations).
Owner—Withheld.
Engineer—S. S. Gorman, 465 California St., San Francisco.

GOVERNMENT WORK AND SUPPLIES

MARE ISLAND, Cal.—Until November 11, 11 a. m., under Specification No. 6722, bids will be received by Public Works Officer, Mare Island Navy Yard, to install an illuminated airway marker located on the roof of Building No. 390. Specifications obtainable from the Commandant at the Navy Yard on deposit of \$5, returnable, checks for same to be made payable to the Chief of the Bureau of Yards and Docks.

October 22, 1931
Bids Rejected—New Bids To Be Asked
TILE FLOORS Cost, \$—
PALO ALTO, Santa Clara Co., Cal.
Tile floors, etc., in Kitchen Bldg. No. 204, at U. S. Veterans' Hospital.
Owner—United States Government.
Plans by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto.

On previous call for bids lowest bid was submitted by Art Tile & Mantel Co., 221 Oak St., San Francisco, at \$11,325. New bids will be asked shortly.

BERKELEY, Alameda Co., Cal.—R. C. McBride Jr., general contractor, 4721 Broadway, Oakland, (Piedmont 3144) is in the market for sub-bids on all portions of the work in connection with the construction of an extension to and remodeling the U. S. Post Office at Berkeley. Bids for this work will be opened by the Supervising Architect, Treasury Department, Washington, D. C. on November 6.

MARE ISLAND, Cal.—Federal Government has appropriated \$5,500 for construction in connection with a fresh water system at the Mare Island Navy Yard.

MARE ISLAND, Cal.—Federal Government has appropriated \$68,000 for steam and air service extensions at the Mare Island Navy Yard in addition to \$13,000 for extension of electric service.

Plans Being Figured—Bids Close November 6, 3 P. M.

ELEVATOR Cost, \$—
BERKELEY, Alameda Co., Cal.
Furnish and install one freight elevator in U. S. Post Office; extension and remodeling.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.

ALAMEDA, Alameda Co., Cal.—Healy-Tibbitts Construction Co., 64 Pine st., San Francisco, at \$11,178 submitted low bid to U. S. Bureau of Public Roads, San Francisco, for constructing Unit 1 of the development program on Government Island at Alameda.

BERKELEY, Alameda Co., Cal.—Barrett & Hilt, general contractors, 918 Harrison St., San Francisco, are in the market for sub-bids on all portions of the work in connection with the construction of an extension to and remodeling the U. S. Postoffice at Berkeley. Bids for this work will be opened by the supervising architect, Treasury Department, Washington, D. C., on November 6.

SAN DIEGO, Cal.—Until November 5, 11 a. m., under Specification No. 6645, bids will be received by the Public Works Officer, 11th Naval District, San Diego, for furnishing and installing a 15,000-gallon capacity lead-lined steel acid tank, with piping, valves and foundations complete, at the Naval Operating Base (Fuel Depot), San Diego. Plans obtainable from Public Works Officer on deposit of \$10, checks to be made payable to the Chief of the Bureau of Yards and

PHOENIX, Ariz.—Until November 3, 2 p. m. bids will be received by Carl H. Skinner, superintendent, U. S. Indian School, 4100 Rhoads Circle, Phoenix, to furnish boiler tubes, as follows:
180 Seamless steel, hot roll boiler tubes not less than .120 inch thick, O. D. 3 1-2"x18' long.
90 Seamless steel, hot roll boiler tubes not less than .120 inch thick, O. D. 3 1-2"x16' long.

Must comply with Federal Specifications Board's Standard Specifications No. 347, a copy of which may be seen at Indian Warehouse at San Francisco.
Delivery must be made at shipping point within two weeks after date of formal order.

SACRAMENTO, Cal.—Until October 26, 3 P. M., under Order No. 278/1866, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, for one Warren Duplex Pump End 24-in. by 10-in., for Warren Steam Pump, including cylinder with liners, valve seats, valves, stems,

springs, guards and nuts; valve plate, cap cylinder head and pump pistons with packing, foot under pump cylinder and rolled bronze piston rods with nuts. Delivery f. o. b. Rio Vista.

STOCKTON, San Joaquin Co., Cal.—Until October 26, 3 P. M., under Order No. 3821-Stkn.103-106, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, for furnish and deliver lumber, f. o. b. Stockton, Calif., as follows:
1110 ft. Oregon Pine, 14"x14"x34', S4S, Select Common.
1,120 ft. O. P. No. 2, Common, size 2"x12"x14'.
288 ft. O. P. No. 2, Common, size 6"x6"x16'.
160 ft. Redwood, No. 1 Merch., S4S, size 4"x4"x10'.
5000 Lath, 4 ft.
400 lbs. Spike nails, wire, 40d.
4,800 ft. 600 Pcs. O. P. Rough, No. 2 Common, size 2"x6"x8'.
7,200 ft. 300 Pcs. O. P. Rough, No. 2 Common, size 2"x8"x18'.

BERKELEY, Alameda Co., Cal.—Clinton Construction Company, 923 Folsom St., San Francisco, is in the market for sub-bids on all portions of the work in connection with the construction of an extension to and remodeling the U. S. Postoffice at Berkeley. Bids for this work will be opened by the supervising architect, Treasury Department, Washington, D. C., on November 6.

October 17, 1931
Prospective Bidders—Plans Being Figured—Bids Close Nov. 6, 3 P. M.
POST OFFICE \$190,000 Available.
BERKELEY, Alameda Co., Cal. Milvia and Kittredge Sts.
Extension and remodeling of Post Office (except elevator).
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Four contractors who are figuring this project include:

Barrett & Hilt, 918 Harrison St. San Francisco.
Dinwiddie Constr. Co., Crocker Bank Bldg., San Francisco.
Wm. MacDonald Constr. Co., St. Louis.
H. Mayson, 9315 S. Hooper Ave. Los Angeles.
Macdonald & Kahn, Ltd., San Francisco.

Schuler & McDonald, Inc., Oakland.
Geo. Peterson, San Leandro.
Clinton Constr. Co., San Francisco.
K. E. Parker Co., San Francisco.
Monson Bros., San Francisco.
A. M. Lundberg, St. Louis.
Chas. Wentz Sons, Inc., Des Moines.
Plans obtainable from Supervising Architect, Treasury Dept., Washington, D. C., on deposit of \$25, returnable.

PASCO, Wash.—Following are additional bidders who have secured plans in connection with the construction of the post office at Pasco, Wash. Est. cost \$58,000 for which bids will be opened Nov. 2nd, by the Supervising Architect, Treasury Department, Washington, D. C.:

Andrew F. Mowat, McDowall Bldg., Seattle, Wash.
Johnson Bros., 8th Ave. and Virginia St., Seattle, Wash.
J. T. Hulen, 1007 E. Main St., Walla Walla, Wash.
Wm. Willis, 1529 Eighth Ave., W., Seattle, Wash.
MacDonald Building Co., 1517 S. Tacoma Way, Tacoma, Wash.
Roberts & Johnson, Pioneer Bldg., Tacoma, Wash.
MacRae Bros., 614 5th Ave., Seattle, Wash.
F. E. Martin, 254 Main Ave., Spokane, Wash.

SAN DIEGO, Cal.—Until November 10, 11 a. m., under Specification No. 6563, bids will be received by Public Works Officer, Eleventh Naval District, to furnish and deliver galley and miscellaneous equipment for Naval Operating Base (Air Station), San Diego, including soda fountain, barster, stove and chairs. Specifications obtainable from above office on deposit of \$10, returnable, checks for same to be made payable to Chief of the Bureau of Yards and Docks.

PASCO, Wash.—Following is a partial list of prospective bidders to erect postoffice at Pasco, Wash., estimated cost \$58,000, bids for which will be opened November 2 by the Supervising Architect, Treasury Department, Washington, D. C.:

Western Construction Co., Seattle.
Fred R. Comb Co., 2113 Chicago Ave., Minneapolis, Minn.

Gough Bros., 1954 University Ave., St. Paul, Minn.

Feder P. Gjarde, Lyon building, Seattle, Wash.

Phelps-Drake Co., Inc., Minneapolis, Minn.

Harry Boyer & Son Co., Olympia, Wash.

Therlauff Contracting Co., Philadelphia.

Kellogg & Anderson, Sedalia, Mo.

Wm. MacDonald Construction Co., St. Louis.

Carl Heedeen, American Bank building, Seattle, Wash.

Ernest Gwinn, Central building, Seattle, Wash.

R. J. Chute Co., 2506 W. Santa Barbara Ave., Los Angeles.

C. G. McNichols, Box 252, Walla Walla, Wash.

Schreiner & Zier, 803 South Second Ave., Walla Walla, Wash.

SACRAMENTO, Cal.—Until October 28, 3 p. m., bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, under Order No. 382-1866-1873, to furnish and deliver f.o.b. Rio Vista, Solano County, lumber, as follows:

1 pc., 4 pcs., Rough Pine, No. 1 common, size 8"x8"x16'.	
192 ft., 4 do do 6"x6"x16'.	
64 ft., 1 do do 6"x8"x16'.	
480 ft., 40 pcs., Rough Redwood, No. 1 common, size 2"x6"x12'.	
576 ft., 36 do do 2"x6"x16'.	
432 ft., 24 do do 2"x6"x18'.	
640 ft., 20 do do 2"x12"x16'.	
48 ft., 6 do do 2"x12"x12'.	
144 ft., 12 do do 1"x12"x12'.	
700 ft., 30 do do 2"x10"x14'.	
756 ft., 12 do do 4"x4"x16'.	
168 ft., 6 do do 2"x12"x14'.	
10,500 ft., 750 pcs., Rough Pine or Fir, No. 3 common, size, 1"x12"x14'.	

QUARRY HEIGHTS, C. Z.—H. B. Nelson Construction Co., P. O. Box 626, Columbus, Georgia, awarded contract by Department Quartermaster, Quarry Heights, C. Z., for construction and completion of excavation, embankment and grading, sanitary sewers, storm drainage, water distribution and fire protection, roads, curbs and walks, electrical distribution and street lighting, 2 field officers' quarters Nos. 3 and 4, 5 company officers' quarters, Nos. 1, 2, 5, 6, and 7, 2 n. c. o. 4-family quarters, Nos. 8 and 9, and 1 130-men barracks No. 1, at Fort Davis, C. Z.

Commissioned To Prepare Plans.
POST OFFICE Cost, \$—
WEISER, Idaho.
Class A Post Office.
Owner—United States Government.
Architect—Tourtelotte & Hummel, Postal Bldg., Portland, Ore.

SAN FRANCISCO—Until Oct. 29, 11 A. M., bids will be received by Constructing Quartermaster, Fort Mason, for road repairs at Fort Funston. Work involves covering the red rock road with bitumulus, 335 ft. by 12 ft.

Low Bidder.
HANGAHS, SHOPS Cost, \$500,000
WHEELER FIELD, Territory Hawaii.
Four air coops double hangars, 1 machine shop, 1 assembly shop, 1 warehouse (steel construction, hollow tile and concrete panels, concrete foundations, metal shaft, steel rolling doors, electric wiring, plumbing and elaborate lighting system).

Owner—United States Government.
Plans by Constructing Quartermaster, Fort Shafter, T. H.

Low Bidder—Kenneth Colborn, 385 E. Green St., Pasadena, at approx. \$279,000.

Additional Prospective Bidders.
POST OFFICE \$190,000 Available
BERKELEY, Alameda Co., Cal. Milvia and Kittredge Sts.
Extension and remodeling of Post Office (except elevator).

Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Following are additional prospective bidders. Others reported October 17. Bids will be opened Nov. 6, 3 P. M., at Washington, D. C.

Therlauff Contracting Co., 534 E. Johnson St., Phila.

R. J. Chute Co., 2506 W. Santa Barbara Ave., Los Angeles.

W. G. Thornally, 354 Hobart St., Oakland.

T. B. Goodwin, 2950 Divisadero St., San Francisco.

BERKELEY, Alameda Co., Cal.—MacDonald & Kahn Co., Ltd., Financial Center Building, San Francisco, general contractors, are in the market for sub-bids on all portions of the work in connection with the construction of an extension to and remodeling the U. S. Postoffice at Berkeley. Bids for this work will be opened by the supervising architect, Treasury Department, Washington, D. C., on November 6.

TUCSON, Ariz.—Following bids received by Supervising Architect, Treasury Department, to furnish and install metal shelving, etc., in Post Office.

Fraser Typewriter & Office Supply Co., Tucson, \$1220.
Globe-Wernicks Co., Washington, \$1321.

Jamestown Metal Equipment Co., Jamestown, N. Y., \$1392.

Lyon Metal Products, Inc., Aurora, Ill., \$1443.87.

Fellerly & Millor, Phoenix, Arizona, \$1694.83.

Worley & Co., Phoenix, Ariz., \$1825.

David Lupton Sons Co., Washington, \$2100.

Commissioned To Prepare Plans.
POST OFFICE Cost, \$—
ST. JOHNS, Oregon.
Class A post office.
Owner—United States Government.
Architect—Francis Marion Stokes, Chamber of Commerce Bldg., Portland, Ore.

Bids To Be Asked At Once.
OFFICES Cost, \$1,287,500
PORTLAND, Ore. Broadway, Madison, Sixth and Main Sts.
Seven-story and basement Class A Federal offices.
Owner—United States Government.
Architect—Whitehouse, Stanton and

Church, Railway Exchange Bldg., Portland, Ore.

Plans for this project are obtainable from the office of the Supervising Architect, Treasury Dept., Washington, D. C.

SAN FRANCISCO, Cal.—Until November 3, 3 p. m., bids will be received by U. S. Engineer's Office, San Francisco, for drydocking, painting and repairing U. S. Sredge "San Pablo."

Sub Bids Wanted
POST OFFICE \$150,000 Available
BERKELEY, Alameda Co., Cal. Milvia and Kittredge Sts.

Extension and remodeling of Post Office (except elevator).

Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.

David Nordstrom, general contractor, 354 Hobart St., Oakland, desires sub bids on all portions of the work in connection with above, for which general bids are to be opened in Washington, D. C., on November 6, 3 p. m.

SUNNYVALE, Santa Clara Co., Cal. Fred D. Turner, 212 Anita Rd., Burlingame, at \$6,159 submitted low bid to Public Works Officer, Twelfth Naval District, for construction of a one-story frame garage and water supply system.

Following is a complete list of the bids received:

Alt. 1 deduct for using wood in place of steel in tower:

Fred D. Turner, Burlingame, \$6,159 (1) ded. \$220.

George Huston, Sunnyvale, \$6,513 (1) ded. \$100.

S. F. Construction Co., S. F., \$6,920 (1) ded. \$190.

Robert McCarthy, S. F., \$6,962 (1) ded. \$100.

Carl Swensen, San Jose, \$6,975 (1) \$175.

George Moore, Palo Alto, \$7,608 (1) \$100.

R. O. Summers, San Jose, \$8,563 (1) ded. \$222.

P. L. Burr, S. F., \$9,066 (1) ded. \$355.

J. M. Sommers Co., S. F., \$10,448 (1) ded. \$55.

Roy Lind, S. F., \$11,996 (1) ded. \$300.

Bids held under advisement.

SACRAMENTO, Cal.—Until November 4, 3 p. m., bids will be received by U. S. Engineer's Office, California Fruit Bldg., Sacramento, for drydocking, painting, and repairing U. S. Engineer Dept. Motor Boat, "H. H. Wadsworth."

SACRAMENTO, Cal.—Until October 29, 3 p. m., under Order No. 3832-1869, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, for the following items, f.o.b. Rio Vista:

(1) one heater, suited for wood or coal, No. 12 "Wedgewood" (Sunflower) or equal.

(2) 2 flexible portables, statuary bronze finish, No. 3144, Faries Flexible Portable, pg. 162, Pacific States Electric Co., Catalog No. 29, or equal.

FORT SHAFTER, T. H.—Until November 9, bids will be received by the Quartermaster, Fort Shafter, for repairs, additions and extensions to the sewer system and for a sewage pumping plant, together with electric primary line for same at Fort Shafter. Plans obtainable from above office.

OAHU, T. H.—Monolith Portland Cement Company, 215 W. Seventh St., Los Angeles, awarded contract by Thomas Haverly Co., general contractor, for furnishing approximately

50,000 bbls. of cement to be used in the construction of buildings at the Naval Ammunition Depot, Oahu, T. H., for the Bureau of Yards and Docks, Navy Department.

WASHINGTON, D. C.—Bids are being received by the Bureau of Supplies and Accounts, Navy Dept., Washington, D. C., to furnish materials and equipment to Pacific Coast navy yards and stations. Further information on the Schedules listed being obtained from the Navy Purchasing Office, 100 Harrison St., San Francisco.

Bids Close Nov. 3

Puget Sound, 2 laundry extractors and spares and 2 laundry washing machines and spares; sch. 6706.

San Diego, 1 motor driven disc grinder; sch. 6729.

San Francisco, 1 motor driven hack saw; sch. 6717.

San Diego, 1 motor-driven planing and surfacing machine; sch. 6725.

San Diego, 1 motor driven air operated forging hammer; sch. 6710.

Western yards, 72 bottom blow valves and plans; sch. 7231.

SAN FRANCISCO, Calif.—Following is a complete list of bids received by the Constructing Quartermaster, Fort Mason, to furnish approximately 131 shades for ward building F-1 and G-2 at the Letterman General Hospital.

A. J. Ruhlman, 444 Golden Gate Ave.	\$208.32
Alt.	\$149.47
D. N. & E. Walter	\$229.55
Alt. 1	\$145.00
" 2	\$169.50
W. & J. Sloane	\$296.00
(1)	\$194.00

Bids held under advisement.

AMERICAN LAKE, Washington.—A. W. Mowat, 518 McDowell Bldg., Seattle, at \$160,618, submitted low bid to U. S. Veterans' Bureau for constructing alterations and additions to mess and kitchen buildings No. 3, and Occupational Therapy Building No. 18 and constructing continued Treatment Building and exercise hall. Reinforced concrete construction, hollow tile and brick. Work includes roads, walks, grading, drainage, steam and electrical distribution systems.

Preparing Working Drawings.

MEMORIAL BLDG.

PLEASANTON, Alameda Co., Cal. One-story Class C masonry veterans' memorial building (auditorium to seat 350; men's and women's club rooms, Spanish type). (Tile roof). Owner—County of Alameda.

Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

SUNNYVALE, Santa Clara Co., Cal. Raymond Concrete Pile Co., Hunter Dulin Bldg., San Francisco, at \$181,181 awarded contract by Bureau of Yards and Docks, Navy Department, Washington, D. C., for grading and foundations in connection with the Sunnyvale Dirigible Hangar.

MARE ISLAND, Cal.—Federal Government has appropriated \$10,000 for street extensions in connection with improvements at the Mare Island Navy Yard.

HALLS AND SOCIETY BUILDINGS

Plans Being Prepared.

SWIMMING POOL Cost, \$10,000
SAN JOSE, Santa Clara Co., Cal.
Alum Rock Avenue.

Concrete swimming pool, 60x25 ft. with chlorinator system.

Owner—San Jose Country Club, San Jose.

Architect—Binder & Curtis, 35 W-San Carlos St., San Jose.

A sprinkler system in connection with the golf links will be installed at an additional cost of \$4000.

SANTA BARBARA, Cal.—Santa Barbara Post of the American Legion has requested all civic organizations to attend a meeting to be held soon for the purpose of furthering a proposal to call a bond election to provide funds for the construction of memorial buildings in Solvang, Lampoc and Santa Maria, and a combination memorial and civic auditorium in Santa Barbara. The three memorial buildings would cost about \$200,000 and the auditorium \$50,000.

Commissioned to Prepare Plans
MEMORIAL BLDG. Cost, \$20,000
EL CERUPTO, Contra Costa Co., Cal. Memorial building (type of construction not determined).

Owner—County of Contra Costa.
Architect—James Narbett, Richmond, Cal.

Preparing Working Drawings.
MEMORIAL BLDG. Cost, \$50,000
SANTA CRUZ, Santa Cruz Co., Calif. Two-story and basement veterans' memorial building (concrete exterior walls, frame interior, tile roof) Spanish style.

Owner—County of Santa Cruz.
Architect—Davis Pearce Co., Grant and Weber Sts., Stockton.

HOSPITALS

Plans Being Completed.
INSTITUTE BLDG. Cost, \$400,000
SAN FRANCISCO.

Class A reinforced concrete psychopathic institute building.
Owner—City and County of San Francisco.

Architect—Alfred I. Coffey and Martin J. Rist, associated, Phelan Bldg., San Francisco.

Structural Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.
Plans will be completed in about thirty days.

Plans Being Completed.
INSTITUTE BLDG. Cost, \$400,000
SAN FRANCISCO. Potrero Ave. and Twenty-first Street.

Six-story and basement Class A Cancer Institute building.

Owner—City and County of San Francisco.

Architect—Alfred I. Coffey and Martin J. Rist, associated, Phelan Bldg., San Francisco.

Structural Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.

Steel frame, brick exterior, tile and hollow metal partitions.

Plans will be completed in about thirty days.

Plans Being Figured—Bids close November 9, 10 a. m.

FINISHING Cost, \$—
BERESFORD, San Mateo Co., Cal. Completing rooms, etc., for the Clinic on the ground floor of the new east wing of the Community Hospital.

Owner—County of San Mateo, E. B. Hinman, county clerk, Redwood City.
Architect—Will H. Toepke, 74 New Montgomery St., San Francisco.

Certified check 10% payable to County Treasurer required with bid.
Plans Being Figured—Bids close November 9, 10 a. m.
LIGHT FIXTURES Cost, \$—
BERESFORD, San Mateo Co., Cal. Furnish and install lighting fixtures for new east wing of Community Hospital.

Owner—County of San Mateo, E. B. Hinman, county clerk, Redwood City.

Architect—Will H. Toepke, 74 New Montgomery St., San Francisco.
Certified check 10% payable to County Treasurer required with bid.

Sub-Bids Wanted.

HOSPITAL Cost, \$—
SAN FRANCISCO. Onondaga Ave. and Alemany Blvd.

Two-story Class A reinforced concrete emergency hospital.

Owner—City & County of San Francisco, S. J. Hester, Secretary Bd. of Public Works, 2nd Floor, City Hall.

Plans by Bureau of Architecture, Department of Public Works, Chas. H. Sawyer, Chief of Bureau, 2nd Floor, City Hall.

N. H. Sioberg & Son, Call Bldg., general contractor, desires sub-bids on all portions of the work in connection with above for which general bids are to be opened Nov. 4, 2:30 P. M.

Sub Bids Wanted.

HOSPITAL Cost, \$—
SAN FRANCISCO. Onondaga Ave. and Alemany Blvd.

Two-story Class A reinforced concrete emergency hospital.

Owner—City & County of San Francisco, S. J. Hester, Secretary Bd. of Public Works, 2nd Floor, City Hall.

Plans by Bureau of Architecture, Department of Public Works, Chas. H. Sawyer, Chief of Bureau, 2nd Floor, City Hall.

H. H. Larsen Co., 64 South Park, General Contractors, desire sub bids on all portions of the work in connection with above for which general bids are to be opened Nov. 4, 2:30 p. m.

Plans Being Figured—Bids Close November 10, 10 A. M.

HOSPITAL UNIT Cost, \$—
FRESNO, Fresno County, Cal.

One-story and basement brick or reinforced concrete contagious disease building for County Hospital group.

Owner—County of Fresno, D. M. Barnwell, county clerk.

Architect—Swartz & Ryland, Brix Bldg., Fresno, Calif.

Segregated bids are wanted for:

- (1) General contract;
- (2) Brickwork;
- (3) Plumbing and heating;
- (4) Electrical work;
- (5) Terra cotta and tile roofing;
- (6) Lathing and plastering;
- (7) Millwork;
- (8) Floor covering;
- (9) Tile flooring and wainscot;
- (10) Painting.

Plans obtainable from the architects on deposit of \$25, returnable.

Sub-Bids Wanted

HOSPITAL Cost, \$—
SAN FRANCISCO. Onondaga Ave. and Alemany Blvd.

Two-story Class A reinforced concrete emergency hospital.

Owner—City & County of San Francisco, S. J. Hester, Secretary Bd. of Public Works, 2nd Floor, City Hall.

Plans by Bureau of Architecture, Department of Public Works, Chas. H. Sawyer, Chief of Bureau, 2nd floor, City Hall.

MacDonald & Kahn Co., Ltd., Financial Center Building, general contractors, desire sub-bids on all portions of the work in connection with the construction of above for which bids are to be opened November 4, 2:30 p. m.

SAN MATEO, San Mateo Co., Calif.
—Until Nov. 9th 10 a. m. bids will be received by E. B. Hinman, county clerk to furnish linoleum for San Mateo County Hospital. Wm. H. Toepke, 74 New Montgomery Street, San Francisco, architect.

Plans Being Figured—Bids Close Nov. 2, 11 A. M.

METAL FURNITURE Cost, \$—
FRENCH CAMP, San Joaquin Co., Cal.

Furnish and install metal furniture in New Additional Building at the San Joaquin General Hospital. Owner—County of San Joaquin, Eugene D. Graham, county clerk, Stockton.

Specifications prepared by W. Y. Threthway, county purchasing agent.

Certified check or surety bond 10% payable to Chairman of the Board of Supervisors required with bid. Specifications obtainable from the County Purchasing Agent.

PALO ALTO, Santa Clara Co., Cal.
—P. J. Dolan Co., Ltd., 1650 Mission St., San Francisco, has been recommended to be awarded the contract for razing and removing the frame hospital building in Block 26, South Palo Alto, corner of Embarcadero Rd. and Cowper St. They will pay the City of Palo Alto \$665 for the materials.

Bids Opened Cost \$—
WARD BLDG. Cost \$—
NORWALK, Los Angeles Co., Calif. State Hospital grounds.

Two-story brick and hollow tile ward building No. 20.

Owner—State of California.
Architect—Plans by State Department of Public Works, Division of Architecture, Public Works Building, Sacramento (Geo. B. McDougall, state architect).

The structure will have reinforced concrete foundation and floors, brick walls, hollow tile partitions, wood roof framing and clay tile roof. Separate bids are wanted for:

Following are three lows bids received on each proposition:

GENERAL WORK
W. J. Esser, Long Beach.....\$39,675
Pozzo Construction Co., Los Angeles.....39,795
H. Mayson, Long Beach.....39,985
HEATING
W. H. Smith, Long Beach.....\$ 8,425
Pacific Pipe & Supply Co., Los Angeles.....8,778
Jones Heating & Vent. Co., Los Angeles.....8,896
PLUMBING
Hickman Bros., Los Angeles.....\$ 5,058
W. H. Smith, Long Beach.....5,095
Younger & Fellows, Los Angeles 5,336
ELECTRIC
W. H. Smith, Long Beach.....\$ 1,515
Baty Electric Co., Long Beach.....1,585
H. H. Walker, Los Angeles.....1,600
Bids held under advisement.

ALTERATIONS Cost, \$—
Plans Being Figured. Bids close Nov. 2, 11 a. m.
SAN JOSE, Santa Clara Co., Cal.
Alterations to existing service building at County Hospital.
Owner—County of Santa Clara, Henry Pfister, county clerk, San Jose.
Architect—Binder and Curtis, San Jose, Cal.
Plans on file in office of the county clerk.

ICE AND COLD STORAGE PLANTS
Plans Being Prepared.
Cost, \$500,000
SAN FRANCISCO, China Basin.

Four-story reinforced concrete addition to State Pre-cooling Terminal. Owner—State of California.
Engineer—Frank G. White, Chief Engineer, Ferry Bldg., San Francisco
An elevated runway for delivery of refrigerated fruits and vegetables from the terminal to the adjoining piers, Nos. 40 to 46, will also be constructed.

Contract Awarded
REFRIGERATION PLANT Cont. Price, \$2,995
PETALUMA, Sonoma Co., Cal.
Refrigeration plant, refrigerator counters, display cases and fixtures.
Owner—City Properties, Inc., 1735 Franklin St., Oakland.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Contractor—East Bay Refrigerator Co., 941 Alisen St., Oakland.

POWER PLANTS

Plans Being Figured—Bids Close Nov. 2, 11 A. M. Cost, \$—
FRENCH CAMP, San Joaquin Co., Cal
Contract transformer vault building against outside wall of present power house at County Hospital at French Camp.
Owner—County of San Joaquin, Eugene D. Graham, County Clerk, Stockton.
Architect—Frederick H. Meyer, 625 Market St., San Francisco.
Certified check or surety bond 10% payable to Chairman of the Board of Supervisors required with bid. Plans on file in office of the clerk; and obtainable upon deposit of \$25, returnable.

LOS ANGELES, Cal.—Until 11 a. m., November 6, bids will be received by city purchasing agent, Thomas Oughton, for furnishing 1420 ft. No. 400,000 C. M. modified sector three conductor, 35,000 volt paper insulated oil impregnated lead covered cable, f. o. b. cars bidders' shipping point with full freight allowance to Los Angeles. Specification No. 2544 for department of water and power.

MODESTO, Stanislaus Co., Cal.—Until November 9, 11 a. m., bids will be received by C. S. Abbott, secretary, Modesto Irrigation District, for furnishing and delivering three outdoor type induction regulators. Certified check or bond 5 per cent payable to Modesto Irrigation District required with bid. Specifications obtainable from secretary of district.

LOS ANGELES, Cal.—Until 11 a. m., November 3, bids will be received by city purchasing agent, Thomas Oughton, for furnishing lead-covered cable under Specification No. 2843, for department of water and power. The items are:

- (1) 20,000 ft. No. 1 AWG 1-conductor, 600-volt, lead-covered cable;
- (2) 20,000 ft. No. 4 AWG 1-conductor, 600-volt, lead-covered cable.

F. o. b. cars bidder's shipping point with full freight allowed to 2517 E. 7th St., Los Angeles.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

To Ask Bids In About Three Weeks.
HALL OF RECORDS Cost, \$300,000
MARTINEZ, Contra Costa Co., Cal.
Three-story Class A steel frame and concrete Hall of Records (hollow

tile and metal lath partitions, steel sash, heating plants)
Owner—County of Contra Costa
Architect—E. Geoffrey Bangs, 411 30th St., Oakland.
Structural Engineer—Fred H. Tibbitts, Alaska Commercial Building, San Francisco.
Mechanical Engineer—G. M. Simonsen, Call Bldg., San Francisco.

Bids Wanted To Close October 19th CITY HALL Cost, \$—
TECHACHAPI—Kern Co., Calif.
Reinforced Concrete City Hall.
Owner—City of Tehachapi.
Architect—Not Given.

To Ask Bids in Two Weeks.
FIRE STATION Cost, \$22,000
WOODLAND, Yolo Co., Cal.
Two-story frame and stucco fire department building in connection with city hall plant (dormitory to accommodate 10), Spanish type.
Owner—City of Woodland.
Architect—Chas. Dean, Sacramento.
Bids will be taken in three weeks.

Plans Being Figured Bids Close Nov. 3, 10 a. m. Cost, \$2009
TEMPORARY OFFICES Cost, \$2009
REDWOOD CITY, San Mateo Co., Cal. — Courthouse Grounds.
Temporary Frame Office Building.
Owner—County of San Mateo.
Architect—Will H. Toepke, 74 New Montgomery St., San Francisco.
Construction will be of a temporary nature. The quarters will house the offices of the county surveyor and other officials departments of the county government.

Plans Being Figured—Bids Close Nov. 3 P. M. Cost, \$5,000,000
WAR MEMORIAL, Civic Center.
Carpenter and mill work for four-story and basement concrete Class A Veterans' Building and 6-story Class A Opera House, seating 4000; standing room 500.
Owner—City and County of San Francisco (S. F. War Memorial).
Architects—G. A. Lansburgh, 140 Montgomery St. and Arthur Brown Jr., 251 Kearny St., San Francisco.
Mfrs. of Constr.—Lindgren & Swinerton, Inc., 225 Bush St., S. F.

SAN FRANCISCO—Trustees of the San Francisco War Memorial have rescinded the contract awarded to the Otis Elevator Co. for the plunger electric elevator in connection with the War Memorial Project and has re-awarded the contract to the Spencer Elevator Co., 166 7th St., which firm has the contract to furnish and install the freight and passenger elevators on the project. The Spencer bid on the plunger type is \$6509 while the bid of the Otis Elevator Co. was \$5600.

Contract Awarded
PAINTING, ETC. Cont. Price \$422.50
SACRAMENTO, Sacramento Co., Cal.
Repairs, painting and tinting at County Detention Home.
Owner—County of Sacramento, Harry W. Hall, county clerk.
Contractor—M. Oppen, 419 15th St., Sacramento.

Following is a complete list of bids received:
M. Oppen, Sacramento, \$422.50; F. K. Dixon Paint Co., \$447; Smith & Green, \$485; Lockett & Hunt, \$579; J. A. Raymond, \$584.50; E. H. Sprague, \$678; Wilcoxon-Wilson Co., \$687; Kincaid, Chase & Muller, \$694.50; L. J. Lehardt, \$943; Ben F. Wagner, \$1,073.70.

RESIDENCES

Sub-Bids Being Taken.
RESIDENCE Cost, \$10,000
SAN FRANCISCO. Monterey Heights
Two-story and basement frame and
stucco residence (7 rooms, 2 baths;
tile and composition roof, gas fur-
nace canvas walls and ceilings,
hardwood floors, colored tile baths
and kitchen).

Owner and Builder—Adolph Anderson,
230 Hazelwood Ave., San Francisco.
Architect—Chas. Strothoff, 2274 15th
St., San Francisco.

Preparing Plans—Contract Awarded.
RESIDENCE Cost, \$9000
SAN FRANCISCO. Forest Hill.
Two-story and basement frame and
stucco residence (7 rooms and 2
baths; part tile and composition
roof, hardwood floors, colored tile
baths and kitchen, canvas walls
and ceilings, etc.)

Owner—Withheld.
Architect—Chas. Strothoff, 2274 15th
St., San Francisco.

Contractor—Louis Franceschi, 1990
Beach St., San Francisco.

To Ask Bids In Ten Days.
RESIDENCE Cost, \$4000
BERKELEY. Alameda Co., Cal. Ber-
keley View Terrace.

One-story and basement frame and
stucco residence (5 rooms; shingle
roof, part tile bath and kitchen,
hardwood floors).

Owner — Arthur Bowron, 1104 Keith
St., Berkeley.

Architect—Ray Keefer and E. L. Her-
berger, 770 Westley Ave., Oakland.

Sub Bids Being Taken
RESIDENCE Cost, \$5,000
SAN FRANCISCO, SE. 32nd Ave. and
Ulloa St.

One-story and basement frame and
stucco residence (5 rooms), canvas
walls and ceilings, composition and
tile roof, gas heat, colored tile
bath and kitchen, hardwood floors,
etc.

Owner and Builder—A. J. Herzig, 635
Victoria St.
Architect—Not Given.

Preliminary Plans Approved.
RESIDENCE Cost, \$—
HONOLULU, T. H.
One-story frame and stucco residence
(12 rooms).

Owner—W. Thomas Balding, Honolulu
Architect—W. W. Wurster, 260 Cali-
fornia St., San Francisco.
Working drawings will be started
shortly.

Sub-Bids Being Taken.
RESIDENCE Cost, \$5000
SAN FRANCISCO. W Sixteenth Ave.
S Taraval Street.

One-story and basement frame and
stucco residence (5 rooms; com-
position and tile roof, gas heat,
colored tile bath and kitchen, hard-
wood floors and trim, etc.)

Owner and Builder—J. Michael and C.
Bomerer, 762 DeHaro St., San
Francisco.

Plans by E. K. Dobkowitz, 425 Mon-
terey Blvd., San Francisco.

Preliminary Plans Approved.
RESIDENCE Cost, \$30,000
HONOLULU, T. H.
One-story frame and steel residence
(12 rooms).

Owner—C. J. Henderson, Honolulu.
Architect—W. W. Wurster, 260 Cali-
fornia St., San Francisco.

Working drawings will be started
shortly.

Sub-Bids Being Taken
RESIDENCE Cont. price, \$12,970
SAN MATEO, San Mateo Co., Calif.
Baywood Park.

Two-story and basement frame and
stucco residence (9 rooms, 3 baths,
tile roof, gas heating, electric re-
frigeration, tile baths and kitchen)

Owner—Harold Wolcove.
Plans by Grimes & Schoening, Balov-
vich Bldg., San Francisco.

Contractor—Floyd Van Gelder, 1716
Delaware St., Berkeley.

Additional Sub-Contracts Awarded.
RESIDENCES Cost, \$6,000 to \$15,000
SAN FRANCISCO. Adjoining Sutro
Heights and facing on Anza, Geary
Point Lobos, Clement, 45th, 46th
47th and 48th Aves. and Harding
Boulevard.

Four hundred one-story and basement
and two-story and basement frame
and stucco residences (laundry,
social hall, tile roof, gas heating
system, tile baths and kitchens).

Owner & Builder—Klernan & O'Brien,
47th Ave. and Geary St. (Tract
office).

Architect—Albert H. Larsen, 447 Suter
St., San Francisco.

Gravel Roof—Alms Roofing Co., 2485
Chestnut St., San Francisco.

Concrete—Vannucci Bros., 1875 San
Bruno Ave., San Francisco.

Sheet Metal—T. Arrowsmith.
Lathing and Plastering—W. J. Conny
74 Moltke St., San Francisco.

Glass—W. P. Fuller & Co., 301 Mis-
sion St., San Francisco.

Tile—Scott Co., 243 Minna St., San
Francisco.

Flooring—Regal Floor Co., 620 4th St.,
San Francisco.

Other awards reported Oct. 2, 1931.
Construction is under way on five
residences. Others will be constructed
upon completion of these.

Plans Being Prepared.
RESIDENCES Cost, \$5000 each
SAN FRANCISCO. SE Cabrillo St.
and Twenty-ninth Ave.

Two one-story and basement frame
and stucco residences (6 rooms
each; composition roof, gas heat-
ing system, hardwood floors, col-
ored tile baths and kitchens).

Owner and Builder—E. A. Janssen,
Hearst Bldg., San Francisco.

Plans by Owner.
Sub-bids will be taken in about two
weeks.

Contract Awarded
RESIDENCE Cost, \$10,000
SAN FRANCISCO, Cal., S. Monterey
Blvd., near San Aliso.

Two-story and basement frame and
stucco residence (8 rooms 2 baths)
tile roof, gas heating system,
hardwood floors, colored tile baths
and kitchen)

Owner—J. & E. Koster, 821 Market
Street.

Architect—Dodge Riedy, 821 Market
Street.

Contractor — Henry Papenhausen, 595
Victoria Street.

Contract Awarded
RESIDENCE Cost, \$15,000
SAN JOSE, Santa Clara Co., Ayer
Ave., near Losee.

Two-story and basement frame and
stucco residence.

Owner—C. O. Mace, 75 S. First St.,
San Jose.

Architect—Not Given.
Contractor — Whiteside Bros., 71 S.
19th St. San Jose.

Low Bidder
RESIDENCE Cost, \$7,000
PIEDMONT, Alameda Co., Cal.

Two-story frame and stucco residence
(6 rooms, shingle roof, gas heating

system, tile bath, hardwood floors,
etc.)

Owner—Withheld
Architect—Fred H. Reimers, 233 Post
St., San Francisco.
Low Bidder—Irwin H. Reimers, 745
Walla Vista Ave., Oakland.

Sub-Bids Wanted.
RESIDENCE Cost, \$7500
SAN FRANCISCO, St. Francis Wood

Two-story and basement frame and
stucco residence (7 room, and 2
baths; full tile roof, gas heat, elec-
tric refrigeration, coorled tile
baths and kitchen, hardwood floors
and trim, etc.) Spanish type.

Owner—W. J. Dawson.
Architect — Not Given.

Contractor—Standard Building Co., (C.
Geller), 218 Castaneda St., S. F.

Sub bids are wanted in interior;
tile work, terra cotta roofing tile, mill
work, including frames and sash doors,
trim and cabinets, glass and glazing,
roofing, electric wiring, painting, hard-
ware, plastering, interior stairs, orna-
mental iron work.

Plans Being Prepared.
RESIDENCE Cost, \$50,000
BURLINGAME, San Mateo Co., Calif.

Location withheld.
2½-story steel frame and reinforced

concrete fireproof residence (15
rooms, 6 baths; steel battledock
floor and steel ceiling).

Owner—Withheld.
Plans by Walter King Co., Building
Promoters, 312 Call Building, San
Francisco.

The insulation and acoustics will be
given particular attention.

It is expected to have plans and
specifications completed in about thirty
days.

Contract Awarded.
RESIDENCE Cost, \$4500
MODESTO, Stanislaus Co., Cal.

One-story and basement frame and
stucco residence (5 rooms; shingle
roof, gas heating, hardwood floors,
colored tile bath and kitchen).

Owner — J. Rogers, Floyd Ave., Mo-
desto.

Architect—G. N. Hilburn, 1322 I St.,
Modesto.

Contractor—W. H. Johnson, Modesto.

Plans Being Prepared.
RESIDENCE Cost, \$10,000
SAN FRANCISCO. Monterey Heights.

Two-story and basement frame and
stucco residence (7 rooms, 2 baths;
tile and composition roof, gas fur-
nace canvas walls and ceilings,
hardwood floors, colored tile baths
and kitchen).

Owner and Builder—Adolph Anderson,
230 Hazelwood Ave., San Francisco

Architect—Chas. Strothoff, 2274 15th
St., San Francisco.

Sub-Bids will be taken in one week.

Sub-Bids Wanted.
RESIDENCE Cost, \$7500
SAN FRANCISCO. Seventh Ave., bet.

Vicente and Wawona Sts.
One-story and basement frame and
stucco residence (7 room) part tile

and composition roof, wood sash,
gas and hot air heating.

Owner and Builder—S. F. Johnson,
17th Ave. and Vicente St.

Architect—Chas. Strothoff, 2274 15th
St., San Francisco.

Segregated Bids Wanted.
RESIDENCE Cost, \$25,000
SAN MATEO, San Mateo Co., Cal.

Baywood Park.

Two-story and basement frame and
stucco residence (tile roof, gas
heat, electric refrigeration, hard-
wood floors and trim, colored tile
baths and kitchen).

Owner—Withheld.

Architect — Treichel & Goodpastor, American Bank Bldg., Oakland.
Architects are taking segregated bids on roofing, tile work, ornamental iron, plastering and cement.

Contract Awarded.

RESIDENCE Cost, \$13,000
PALO ALTO, Santa Clara Co., Cal.
No. 524 Center Street.
Two-story and basement frame and stucco residence.

Owner — J. H. Howe, 261 Hamilton St., Palo Alto.
Architect — Birge M. Clark, 310 University Ave., Palo Alto.
Contractor — E. J. Schmalzing, 863 Melville Ave., Palo Alto.

Plans Being Figured—Bids Close Nov. 10 10 A. M.

RESIDENCES Cost, \$—
BOULDER CITY, Nevada. 25 miles southeast of Las Vegas.
Nine live-room residences.
Owner—United States Government.
Plans by U. S. Bureau of Reclamation, Wilda Bldg., Denver, Colo.

The residences will be one-story buildings with basements under only a part of each building. All residences will have concrete foundations, "All-Rolok" Flemish bond, hollow brick outside walls, and clay tile roofs. The schedule provides for lump sum bids for the construction of the residences except excavation and concrete and for unit prices per cubic yard for excavation and concrete. The installation of plumbing, heating and electrical facilities will be included in the lump sum bids for the construction of the residences. Plans obtainable from the U. S. Bureau of Reclamation at Las Vegas.

Sub-Contracts Awarded.

RESIDENCE Cost, \$12,000
OAKLAND, Alameda Co., Cal. No. 5748
Ivanhoe Road.
Two-story and basement frame and stucco residence (8 rooms).
Owner — Charles W. Campbell, 6609 Chabot Road, Oakland.
Architect—Not Given.

Contractor — W. L. Broderick, 407 Koerber Bldg., Berkeley.
Lumber—Smith Lumber Co., Foot of 18th Ave., Oakland.

Cement Work—Schnoor Bros., 5747 Claremont, Oakland.

Plumbing—C. W. Knight, 868 Contra Costa St., Berkeley.

Mill Work—Sheehan-Ballard Planing Mill, 9th and Parker Sts., Berkeley.

Painting—Lindahl & Hurtig, 1641 Grove St., Berkeley.

Tile Work—Brookhurst Tile Co., 2819 Shattuck Ave., Berkeley.

Steel Sash — Michel & Pfeffer Iron Works, 2059 Webster St., Oakland
Hardwood Floors — E. W. Broderick, 1533 Milvia St., Berkeley.

Sub-Bids Wanted

RESIDENCES Cost, \$3500 to \$5000
WATSONVILLE, Santa Cruz Co., Cal.
Twenty one-story frame and plaster residences.

Owner—Mutual Home Building Co. (A. C. Crosby, general manager), 17 West Lake Ave., Watsonville.
Plans by Owner's Architectural Dept.
Sub-bids are wanted on wiring, plaster, rough frame work, finish carpentry, cement work, brick work, 30,000 feet of hardwood flooring, tile work and roofing.

Work will be started in about 15 days on 30 additional residences.

Contract Awarded—Sub-Bids Being Taken

RESIDENCE Cost, \$12,000
PALO ALTO, Santa Clara Co., Cal.
Two-story and basement frame and

stucco residence (shingle roof; gas heat, etc.)

Owner—A. P. Newsom, Oakland.
Architect—H. H. Gutterston, 526 Powell St., San Francisco.
Contractor—Clinton Stephenson Construction Co., Ltd., Clay and Montgomery Sts., San Francisco.

PLANS BEING FIGURED

RESIDENCE Cost, \$15,000
HILLSBOROUGH, San Mateo Co., Cal.
Two-story and basement frame and stucco residence, 8 rooms, 2 baths, shingle roof, gas heat, hardwood floors, colored tile baths and kitchen.
Owner—E. L. Bristow, 532 W. Poplar St., San Mateo.
Architect—Willis Polk Co., 277 Pine St., San Francisco.

SUB BIDS BEING TAKEN

RESIDENCE Cost \$4,000
OAKLAND, Alameda Co., Calif., Fruitvale District.
One story and basement frame and stucco residence (6 rooms), double garage, shingle roof, gas heat, colored tile baths and kitchen.
Owner—W. A. Peterson, care Mr. Hyde.
Architect and Builder—Plans by L. F. Hyde, 372 Hanover St., Oakland.

SCHOOLS

ALAMEDA, Alameda Co., Calif.—Until November 3, 8 p. m., bids will be received by W. E. Varcoe, city clerk, to resurface three tennis courts at Washington Park with one-half-inch of cold emulsified asphalt. Specifications obtainable from city engineer. Certified check 10% payable to city required with bid.

Plans Being Figured—Bids Close November 2, 8 P. M.
CURBS, WALKS, ETC. Cost, \$—
HOLLISTER, San Benito Co., Cal.
Construct curbs and walks at high school grounds.
Owner—San Benito County High School District, James P. Davis, clerk, Hollister.

Architect—W. H. Weeks, 525 Market St., San Francisco.
Certified check 5 per cent payable to district required with bid. Plans obtainable from the architect and on file in office of clerk.

OROVILLE, Butte Co., Cal.—J. C. Nisbet, principal Oroville High School, is receiving quotations and terms from various concerns to furnish and install 500 lockers for the girls' gymnasium in connection with the high school plant. Quotations will be considered on October 23.

KENTFIELD, Marin Co., Cal.—Until November 12, 8 p. m., bids will be received by Ada M. Fusselman, secretary, Junior College Board, Marin Junior College District, for the following supplies during the fiscal year ending June 30, 1932:

- Office supplies, materials and equipment
 - Science laboratory supplies, materials and equipment
 - Mechanical engineering supplies, materials and equipment
 - School furniture, equipment and supplies
 - Janitor's supplies, materials and equipment
 - Garden supplies, materials and equipment
 - Building hardware, lumber and materials
 - Physical education supplies and equipment
 - Fuel oil
- Specifications obtainable from A. C. Olney, president, Marin Junior College.

Sub-Bids Wanted.

GYMNASIUM Cost, \$1,000,000
BERKELEY, Alameda Co., Cal.
Campus of the University of California.

Two-story and basement Class A steel frame and concrete masonry gymnasium, gymnasium type hardwood floors, composition, rock asphalt and gypsum roofing, steel sash, etc.

Owner—University of California.
Architect — George W. Kesham, 315 Montgomery St., San Francisco.
Clinton Construction Co., 923 Folsom St., San Francisco, general contractor, desires sub-bids on all portions of the work in connection with above for which general bids are to be opened Nov. 7, 11 A. M.

Contracts Awarded.

SCHOOL & HALL Cost, \$242,000
BERKELEY, Alameda Co., Cal.
Two-story reinforced concrete primary school and one-story reinforced concrete academic dining hall (20 classrooms).

Owner—State of California.
Architect—Charles Roeth, 1404 Franklin St., San Francisco.

The primary school building is two stories with reinforced concrete foundations, walls, floors, metal stud partitions, steel and concrete roof frame and clay tile roof. The academic dining hall is one-story with reinforced concrete foundations, walls, floor, concrete roof framing and clay tile roof.

General Work
K. E. Parker Co., 135 South Park San Francisco. \$162,000.

Electric Work
Alta Electric & Mechanical Co., 938 Howard St., San Francisco, \$14,485.

Plumbing
Mechanical Contracting Co., 83 Shipley St., San Francisco, \$3360.

Heating and Ventilating
Atlas Elec. Mechanical Co., 938 Howard St., San Francisco, \$15,960
Complete list of bids published October 14.

Plans Being Completed.

GYMNASIUM Cost, \$20,000
SAN RAFAEL, Marin Co., Cal. Military Academy.

One-story and basement frame and stucco gymnasium (Lamella roof, heating plant, hot water system).
Owner—San Rafael Military Academy, 5th and Cottage Sts., San Rafael.
Architect — S. Heiman, 57 Post St., San Francisco.

Bids will be called for in about ten days.

Contracts Awarded

HEATING, Etc. Cont. Price, \$22,324
STOCKTON, San Joaquin Co., Cal.
Interior finish and heating plant for new building on the Prevocational School grounds.

Owner — City of Stockton, Ansel S. Williams, secretary, Board of Education, Lindsay and San Joaquin Sts., Stockton.

Architect—Losekann & Clowdsley, 309 Exchange Bldg., Stockton.
Contractor—George Rock, 1724 W. Cornell St., Stockton.

Electric—Collins Electric Co. 708 E Market St., Stockton, \$3,413.

Plumbing and Heating — Fahl-Harry Co., 427 E. Channel St., Stockton, \$7,804

BERKELEY Alameda Co. Cal.—Herberts-Moore Machinery Co., 140 1st St., San Francisco, at \$1,965, awarded contract by Berkeley City School District for furnishing a used shaper.

Sub-Contracts Awarded
SCHOOL. Cost, \$45,000
REDWOOD CITY, San Mateo Co., Cal.
Eagle Hill Section.
One-story reinforced concrete school
(6 classrooms).
Owner—Redwood City School District,
C. H. Chikley, clerk.
Architect—A. I. Coffey and M. J. Rist,
1126 Phelan Bldg., San Francisco.
Contractor—H. R. Larsen Co., 64 So
Park, San Francisco.
Plumbing and Heating: F. W. Snook,
596 Clay St.
Rein. Steel: W. S. Wetenhall, 17th and
Wisconsin Sts.
Lumber: Gray-Thorning Lumber Co.,
543 Emerson, Palo Alto.
Electric—Coast Electric Co., 2336
Broadway, Redwood City.
Other awards will be made shortly.

Bids Rejected (Work Postponed Until
Spring)

HEATING Cost, \$—
JACKSON, Amador Co., Cal.
Furnish and install steam heating
system and oil burning equipment.
Owner—Jackson School District, J. R.
Lorenson, secretary, Board of Ed-
ucation.

Architect—Not Given.
Following is a complete list of bids
submitted:

Geo. C. Bell, 1825 Gleason Way,
Oakland.....\$2,534
Carpenter & Mendenhall, Sac-
ramento.....2,820
Plyed Saunders, Jackson.....2,887
The Miller-Hays Co., Stockton.....2,937
James A. Nelson, Inc., San
Francisco.....2,948
Carl T. Doell Co., Oakland.....3,055
Luppen & Hawley, Inc., Sacra-
mento.....4,444

Plans Being Figured—Bids Close Nov.
7, 11 A. M.

GYMNASIUM Cost, \$1,000,000
BERKELEY, Alameda Co., Cal. Cam-
pus of the University of California.
Two-story and basement Class A steel
frame and concrete men's gym-
nasium, gymnasium type hardwood
floors, composition, rock asphalt
and gypsum roofing, steel sash,
etc.

Owner—University of California.
Architect—Geo. W. Kelham, 315 Mont-
gomery St., San Francisco.

Separate bids are wanted:

- (1) General Construction.
- (2) Heating and Ventilating.
- (3) Plumbing.
- (4) Electric Work.

Deposit of \$500 is required for plans
on the general contract and \$100 for
each set of plans on the other units.
Plans for the general contract are now
available. Plans on the remaining
units will be ready October 21.

Plans Being Prepared.

SPECIAL FIXTURES Cost, \$60,000
SANTA BARBARA, Cal. Santa Bar-
bara Junior High School.
Special fixtures for Junior High School
Owner—Santa Barbara Junior High
School District.
Architect—W. H. Weeks, 525 Market
St., San Francisco.

Plans Being Prepared.

RESIDENCE Cost, \$20,000
SAN FRANCISCO. Judah St. and
Eighth Avenue.
Three-story and basement frame and
stucco studio office and residence
(8 rooms in residence); tile and
flat roof, steam heating, hardwood
and tile floors, colored tile baths
and kitchen.

Owner & Builder—Henry Doelger, 300
Judah St., San Francisco.
Architect—Chas. Strothoff, 2274 15th
St., San Francisco.

Sub-bids will be taken in about two
weeks.

Lumber Contract Awarded.
SCHOOL BUNGALOWS Cost, \$—
BERKELEY, Alameda Co., Cal. Regal
Road and Marine St. (Cragmont
School Site).
Two school bungalows.
Owner—Berkeley City School District.
Architect—Not Selected.

Lumber—E. K. Wood Lumber Co.,
Frederick and King Sts., Oakland,
at \$41.25.

Construction will be handled by
owner on day's work basis.

Preparing Preliminary Plans.
LIBRARY Cost, \$50,000
KENTFIELD, Marin Co., Cal.
One-story Class B reinforced con-
crete library.
Owner—Marin Union Junior College
District.

Architect—A. A. Cantin, 544 Market
St., San Francisco.

Preparing Preliminary Working
Drawings.

SCHOOL Cost, \$230,000
VALLEJO, Solano Co., Cal.
Two-story Junior High School (rein-
forced concrete exterior walls, fire
resistance construction on interior,
tile roof, maple floors in class-
rooms, linoleum in corridors,
steam heating system with vacuum
pump).

Owner—Vallejo Junior High School
District, Elmer E. Cave, Secretary,
Board of Education.
Architect—Davis-Pearce Co., Grant
and Weber Sts., Stockton.

Bids Rejected—New Bids Being Taken
ELECTRIC CLOCKS Cost, \$—
ST. HELENA, Napa Co., Cal.

Furnish and install electric program
clocks and fire alarm system for
grammar school.

Owner—St. Helena Union School Dis-
trict, A. J. Laurent, clerk.
Architect—Wolfe & Higgins, 19 North
2nd St., San Jose.

New bids will probably be opened
November 10. On previous call for
bids following were submitted.

International Time Recording Co., 529
Market St., San Francisco.....\$624

Standard Electric Time Co., S. F. 729
Telecron Co., San Francisco.....805

BANKS, STORES & OFFICES

Contract Awarded.

STORE Cost, \$10,000
PALO ALTO, Santa Clara Co., Cal.
No. 2011 El Camino Real.

One-story Class C reinforced concrete
store (part tile and composition
roof).

Owner—Campbell & Rapp, 247 High
St., Palo Alto.

Plans by G. E. Moore.
Contractor—George B. Moore, 531
Stanford Ave., Palo Alto.

Contract Awarded.

NEWSPAPER BLDG. Cost, \$190,000
POMONA, Los Angeles Co., Cal. SE
Third and Thomas Sts.

Three-story and basement Class A
reinforced concrete newspaper
building (119x120 ft.); one freight
and one passenger elevator, steel
sash, metal store fronts, etc.

Owner—Pomona Progress-Bulletin.
Architect—Lincoln Rogers, 2412 W.
Seventh St., Los Angeles.

Contractor—C. T. and W. P. Stover,
116 Alexander Ave., Claremont.

Work Started.

REMODEL SUITES Cost, \$10,000
STOCKTON, San Joaquin Co., Cal. E.
Miner Street.

Remodel interior of six suites in Medi-
cal-Dental Building (suites range

in size from 3 to 8 rooms).
Owner—Medical-Dental Building Co.,
Premises.
Architect—H. G. Bissell, 421 E. Miner
St., Stockton.
Work is being handled by owner on
day's labor basis.

Plans to be Prepared.

REMODELING Cost, \$10,000
FRESNO, Fresno Co., Cal. No. 1035
Van Ness Avenue.

Remodel for meat market, etc.

Owner—Fresno Golden State Products
Co., A. Samuels, President.

Architect—Not Yet Selected.
Work will involve interior carpen-
try, painting and redecorating and
installation of fixtures.

Additional Sub-Contracts Awarded.

OFFICES Cost, \$325,000
SAN FRANCISCO. N McAllister W
Polk St. (60x120 feet).

Six-story and basement Class A re-
inforced concrete offices (terra
cotta and granite facing; steam
heating system, etc.).

Owner—Perry F. Burke, % William
Magee, 69 Sutter St., S. F.

Architect—Bliss & Fairweather, Bal-
boa Bldg., San Francisco.

Contractor—Barrett & Hilp, 918 Har-
rison St., San Francisco.

Engineer—T. R. Roneberg, Crocker
Bldg., San Francisco.

Plastering—James Smith, 271 Minna
St., San Francisco.

Mill Work—Pacific Mfg. Co., Monad-
nock Bldg., San Francisco.

Other awards previously reported.

October 16, 1931.

Sub Contract Awarded

STORE Cont. Price, \$48,300
SAN MATEO, San Mateo Co., Cal.—
Second Ave. and Main St.

1½-story reinforced concrete store;
terra cotta exterior, composition
roofing; 8 stores and mezzanines.

Owner—Merkel Bros., 201 B St., San
Mateo.

Architect—Edwards & Schary, 550
Montgomery St., San Francisco.

Contractor—H. H. Larsen Co., 64
South Park, San Francisco.

Wrecking—Dolan Wrecking Co., 6939
Mission St., San Francisco.

Terra Cotta—N. Clark & Son, 116 Na-
toma St., San Francisco.

As previously reported:
Electric—Atlas Electric Co., 135 B St.,
San Mateo.

Excavation & Stone—San Mateo Feed
& Fuel Co., 850 San Mateo Drive.

San Mateo & H. E. Casey Co.
Spring Valley Rd., San Mateo.

Plans Being Prepared.

STORE & GREENHOUSE \$8000
COLMA, San Mateo Co., Cal.

One-story frame and stucco store and
greenhouse (100x40 ft.); cement
and tile floors, tile and glass roof.

Owner—Withheld.

Architect—Chas. Strothoff, 2274 15th
St., San Francisco.

BRENTWOOD, Contra Costa Co.,
Cal.—Plant of the Garin Warehouse,
recently destroyed by fire, will be re-
built, it is announced by W. G. Nor-
ris, resident manager for the company.

The first unit will comprise an office
building of frame and stucco construc-
tion, 24 by 30 ft.

Plans Being Prepared

STORES Cost, \$6,500
SAN JOSE, Santa Clara Co., Cal.

First and San Antonio Sts.
Construct stores in hotel.

Owner—Hotel Montgomery.

Architect—Binder & Curtis, 35 W. San
Carlos, San Jose.

Bids Held Under Advisement
ALTERATIONS Cost, \$10,000
SAN JOSE, Santa Clara Co., Cal. San
 Fernando Ave.
 Alterations and additions to two-story
 store and loft building.
 Owner—Hale Brothers.
 Architect—Binder & Curtis, 35 W. San
 Carlos St., San Jose.
 Lessee—Public Food Stores.

Contract Awarded
REMODEL BANK Cost, \$—
TURLOCK, Stanislaus Co., Cal.
 Remodel two-story brick and terra
 cotta bank (new vaults and vault
 doors, safe deposit, new heating
 plant, etc.)
 Owner—Security State Bank.
 Architect—G. N. Hilburn, Elks Bldg.,
 Modesto.
 Contractor—Frank Johnson, 610 E.
 Main St., Turlock.
 Heating bids are still held under
 advisement. Lowest bid was sub-
 mitted by Andy Thorsen, 134 Lander
 St., Turlock.

Plans Being Completed.
STORE & LOFT Cost, \$30,000
SAN MATEO, San Mateo Co., Cal.
 Third Avenue.
 Two-story and basement concrete and
 brick store and loft building.
 (Pabco roof, freight elevator,
 maple floors).

Owner—Martin Stelling and J. Gould,
 155 Montgomery St., San Francisco
 Architect—Bertz, Winter & Maury, 210
 Post St., San Francisco.
 Lessee—J. J. Newberry Co.
 Bids will be asked in about one week

Contract Awarded.
MARKET Cost, \$—
STOCKTON, San Joaquin Co., Cal.
 Harding Way and Center St.
 One remodel present building for drive
 in market.
 Owner—W. B. Schlink and Ray L.
 Johnson, 3701 H St., Sacramento.
 Architect—Jens C. Petersen, 826 26th
 St., Sacramento.
 Contractor—J. F. Shepherd, First Na-
 tional Bank Bldg., Stockton.
 Seven stalls will operate in the mar-
 ket, including luncheon, soda foun-
 tain, grocery and vegetable stores, a
 meat market, bakery and delicatessen.

Vault—Contract Awarded
REMODEL BANK Cost, \$—
TURLOCK, Stanislaus Co., Cal.
 Remodel two-story brick and terra
 cotta bank (new vaults and vault
 doors, safe deposit, new heating
 plant, etc.)
 Owner—Security State Bank.
 Architect—G. N. Hilburn, Elks Bldg.,
 Modesto.
 Contractor—Frank Johnson, 610 E.
 Main St., Turlock.
 Vault—American Safe Exchange, 130
 Battery St., San Francisco.

Contract Awarded.
REMODEL Cost, \$3000
STOCKTON, San Joaquin Co., Cal.
 No. 102 S-Sutter Street.
 Remodel store front in hotel.
 Owner—W. R. Clark, Premises.
 Architect—Not Given.
 Contractor—Lewis & Green, Bank of
 America Bldg., Stockton.

THEATRES

Construction to Start Within Few
DAYS
ALTERATIONS Cost, \$20,000
BERKELEY, Alameda Co., Cal. 3332
 Adeline Street.
 Remodeling reinforced concrete the-
 atre.
 Owner—Kalski-Harband Theatre Co.,
 3332 Adeline St., Berkeley.
 Architect—A. A. Cantin, 544 Market
 St., San Francisco.

Work involves new concrete stair-
 way, pine flooring, rearranging stage,
 ornamental plaster, revising electrical
 work, revising heating plant, general
 interior decoration.

General Contract—Alfred Hopper, 1769
 Pleasant Valley Avenue, Oakland,
 \$11,462.
Electrical Work—Matson & Sealbrook,
 4115 Broadway, Oakland, \$2,500.
Heating—Chas. R. Waits, 1166 Spruce
 St., Berkeley.

PASADENA, Los Angeles Co., Cal.—
 Electrical Research Products, Inc.,
 7046 Hollywood Blvd., Hollywood, sub-
 mitted the low bid and it was recom-
 mended by the Pasadena Board of
 City Directors October 19 that they
 be awarded the contract for furnish-
 ing sound picture and public address
 equipment to be installed in the new
 municipal auditorium. The bids were
 Electrical Research Products, Inc., (1)
 \$14,350 for sound equipment, (2) pub-
 lic address equipment, no bid, (3) for
 items 1 and 2, \$20,000; Graybar Elec.
 Co., (1) no bid, (2) \$9943, (3) no bid.

Contract Awarded.
THEATRE Cost, \$85,000
MARTINEZ, Contra Costa Co., Cal.
 (State Theatre).
 Rebuild theatre recently destroyed by
 fire.
 Owner—T. D. Junior Enterprises,
 (M. A. Naify, Pres.), 25 Taylor St.,
 San Francisco.
 Architect—Reld Bros., 105 Montgomery
 St., San Francisco.
 Contractor—Salih Bros., 25 Taylor St.,
 San Francisco.

WHARVES AND DOCKS

Bids Opened
ROLLING DOORS Cost, \$—
SAN FRANCISCO, Extension to Pier
 35, foot of First St.
 Twelve steel rolling doors.
 Owner—State of California (Harbor
 Board).
 Engineer—Frank White, Ferry Bldg.,
 San Francisco.
 Following is a complete list of the
 bids received:
 J. G. Wilson Corp, 26 O'Farrell...\$5,823
 Gunn, Carle & Co..... 6,069
 Rolph Mills..... 6,629
 Kennerson Mfg. Co..... 6,768
 Cornell Iron Works..... 6,790
 Bids referred to engineer for award.

Preparing Plans.
MUSEUM Cost, \$100,000
SANTA ANA, Orange Co., Cal. Main
 and Twentieth Sts.
 Two-story brick and reinforced con-
 crete museum.
 Owner—Bowers Memorial Museum
 Commission, First National Bank
 of Santa Ana.
 Architect—W. Horace Austin and
 Frank Lansdown, National Bank
 Bldg., Santa Ana.

SUB-CONTRACTS AWARDED
SAN FRANCISCO—F. C. Amoroso &
 Sons, Wallace and Keith Sts., awarded
 the following sub-contracts in con-
 nection with the construction of the
 Lincoln Way Viaduct in connection
 with the Sunset Boulevard project.
 Cost, \$72,937.

Excavating and Grading—Meyer Ros-
 enberg, 1755 San Bruno Ave.
Reinforcing Steel—Gunn, Carle & Co.,
 444 Market St.
Concrete—Golden Gate Atlas Materials
 Co., 16th and Harrison Sts.
Bronze Bearing Plates—Greenberg &
 Son, 765 Folsom St.
Electric—Butte Elec. Equipment Co.,
 2014 Folsom St.
Sheet Metal—Morrison & Co., 74 Du-
 bocce Ave.

UKIAH, Mendocino Co., Cal.—Coast
 Counties Gas and Electric Co., at
 \$2,650, awarded contract by city coun-
 cil to furnish used motors, pumps and
 other equipment for its gas plant.
 The Coast Counties firm submitted the
 only complete bid.

MISCELLANEOUS CONSTRUCTION

Plans Being Figured—Bids Close Nov.
2, 3 P. M.
ELECTRIC SIGN Cost, \$—
REDWOOD CITY, San Mateo Co., Cal.
 For conversion of the Redwood City
 electric sign over El Camino Real
 near Broadway from its present
 method of illumination to Neon
 Tubing.

Owner—City of Redwood City, B. E.
 Myers, City Clerk.
 Architect—Not Given.
 Certified check 10% payable to city
 required with bid. Specifications on
 file in office of city clerk.

Contract Awarded.
BORDER STATION Cont. Price, \$7764
HORN BROCK, Siskiyou Co., Cal.
 One-story rustic border station.
 Owner—State of California.
 Architect—George B. McDougall, State
 Architect, Public Works Building,
 Sacramento.
 Contractor—T. B. Goodwin, 2950 Di-
 visadero St., San Francisco.

Plans Being Figured—Bids Close Nov.
2, 3 P. M.
CONVENIENCE BLDG. Cost, \$—
REDWOOD CITY, San Mateo Co., Cal.
 Public convenience building.
 Owner—City of Redwood City, B. E.
 Myers, City Clerk.
 Architect—Not Given.
 Certified check 10% payable to city
 required with bid. Plans on file in
 office of clerk.

To Ask Bids Shortly.
LANDSCAPING GARDENING
KENTFIELD, Marin Co., Cal. Marin
 Union Junior College.
 Landscaping gardening, walks drive-
 ways, automatic sprinkler system
 entrance gates, etc.
 Owner—Marin Union Junior College,
 Kentfield.
 Landscape Architect—Horace Cotton,
 Call Bldg., San Francisco.
 About 800 feet along the highway
 will be improved with shrubbery and
 plants, etc.

Bids Opened.
BORDER STATION Cost, \$8000
HORN BROCK, Siskiyou Co., Calif.
 One-story rustic border station.
 Owner—State of California.
 Architect—George B. McDougall, state
 architect, Public Works Building,
 Sacramento.
 Following is a complete list of bids
 received:
 T. B. Goodwin, 2950 Devis-
 adero St., San Francisco...\$7,764
 R. E. McKee, Geber..... 8,888
 O. E. Almila, San Francisco... 4,356
 J. P. Brennan, Redding..... 10,059
 J. Berlinger, Orland..... 10,355
 Bids under advisement.

Contract Awarded.
MISC. STRUCTURES \$30,000
LODI, San Joaquin Co., Cal. SE Chero-
 kee Lane and Victor Road.
 Group of buildings.
 Owner—Jas. L. Carroll, % Carroll &
 Wilkinson, Lodi.
 Plans by Contractor.
 Contractor—Ed. Carey, Lodi.
 Wood frame, brick and stucco con-
 struction. Will comprise a garage, 75
 by 176 ft.; auto service station; one
 structure housing a grocery, meat
 market and restaurant; dance pavil-
 ion, 64x92 feet.

Engineering News Section

BRIDGES

HUMBOLDT COUNTY, Cal.—Until November 4, 2 P. M., bids will be received by State Highway Commission to reconstruct existing bridge across Pel River at Robinsons Ferry about 19 miles north of Dyerville, consisting of twenty-two 24-ft. timber trestle approach spans on pile bents, and three 250 ft. steel truss spans by removing the timber approach spans and constructing twenty-three 19 ft. timber trestle approach spans on timber pile bents also removing timber stringers and floor of the steel truss spans and placing new timber stringers and laminated floor. Project involves:

- (1) 1 lot, remove existing timber trestle approaches and steel span decks;
- (2) 1 temporary timber trestle;
- (3) 6,500 lin. ft. furnish wood piles, including test piles;
- (4) 108 drive redwood piles including test piles;
- (5) 244 M. ft. b. m. Douglas fir timber, structural grade;
- (6) 37.5 M. ft. b. m. redwood timber, dense, select, all-heart structural grade;
- (7) 1 lot, misc. items of work.

TULARE COUNTY, Cal.—State Highway Commission on October 9 accepted the contract of J. S. Metzger & Sons, contractors, on the construction of four and widening two bridges between Goshen and Kingsburg on the Golden State Highway.

SAN FRANCISCO—Duncanson-Harrelson Co., deYoung Bldg., at \$63,600 submitted low bid to the State Dept. of Public Works, for the performance of all necessary work and furnishing materials and equipment for investigating sites for the San Francisco Bay Bridge, consisting of diamond drill and jet borings, driving casings and test piles and loading piles with test loads.

GLENN COUNTY, Cal.—E. C. Martin, 327 24th St., Sacramento, at \$3,117.65, awarded contract by State Highway Commission for removing timber deck rails of the three stringer steel bridges across draws between 20 and 22 miles east of Willows and constructing laminated timber floor, timber rails and adding steel stringers.

UKIAH, Mendocino Co., Cal.—Until November 10, bids will be received by county supervisors to construct bridge across slough near Dan English's residence in Round Valley. Plans obtainable from county clerk.

STOCKTON, San Joaquin Co., Cal.—Until November 2, 11 A. M., bids will be received by Eugene D. Graham, County Clerk, to construct concrete bridges and culverts on the Telegraph Road through Wagner Heights in Rd. District No. 1. Certified check or surety bond 10% payable to Chairman of Board of Supervisors required with bid. Plans obtainable from Julius Manthey, county surveyor.

STOCKTON, San Joaquin Co., Cal.—Until November 2, 11 A. M., bids will be received by Eugene D. Graham,

County Clerk, to construct concrete and timber bridges on the Buckman Road over a creek 14 mi. north of Farmington and over Duck Creek, 1/4 mi. north of the first mentioned bridge. Certified check or surety bond 10% payable to Chairman of the Board of Supervisors required with bid. Plans obtainable from Julius Manthey, county surveyor.

THE DALLES, Ore.—City of The Dalles votes bonds of \$600,000 to finance construction of a bridge over the Columbia River to connect Satus Pass and The Dalles-California Highways.

UKIAH, Mendocino Co., Cal.—As previously reported, bids will be received until November 10, 10 a. m., by H. M. Burke, county clerk, to construct bridge over slough near Dan English Residence, known as the Red Bridge. Project involves:

- (A) 20,840 ft. B. M. redwood and fire lumber in place;
 - (B) driving 37 piles.
- County will furnish all materials involved.

MERCED COUNTY, Cal.—Sullivan and Sullivan, 3937 39th Ave., Oakland, at \$106,862 submitted low bid to U. S. Bureau of Public Roads, San Francisco, and will probably be recommended for award of contract to construct the Stoneman and El Capitan Bridges and grading approaches, Section B2 of Route 1, the El Portal-Floor of Valley Highway in Yosemite National Park. Project involves:

- (1) 2080 cu. yds. unclass. ecav. for struc. (wet);
- (2) 1620 c. yds. do; (dry);
- (3) 300 cu. yds. do borrow;
- (4) 10.5 M.B.M. untreated timber in place;
- (5) 1145 cu. yds. class A concrete;
- (6) 770 cu. yds. class B concrete;
- (7) 100 cu. yds. class D concrete;
- (8) 170 cu. yds. class S concrete;
- (9) 137,000 lbs. reinf. steel;
- (10) 530 cu. yds. masonry;
- (11) 87,000 lbs. struc. steel in place;
- (12) 21,820 lin. ft. untreated timber piling in place;
- (13) 285 cu. yds. rock facing;
- (14) 170 sq. yds. arch ring stones;
- (15) 414 lin. ft. curb stones;
- (16) 420 lin. ft. stone steps;
- (17) 110 lin. ft. stone borders;
- (18) 375 lin. ft. 42-in. dia. logs;
- (19) 350 lin. ft. long handrail;
- (20) 180 sq. yds. asph. plank wearing surface;
- (21) 1060 sq. yds. water proofing;
- (22) 75 cu. yds. imported loam;
- (23) 2 lump sum, removing existing bridge.

Total bids follow:

(A) Sullivan and Sullivan, Oak land	\$106,862
(B) Kuckenburger and Wittman, Portland, Ore.	114,353
(C) Gutebier Bros., Oakland,	114,942
(D) F. J. Maurer and Sons, Eureka	117,700
(E) M. B. McGowan, S. F.	122,076
(F) L. E. Dixon, Los Angeles,	122,415
(G) Bodenhamer Construction Co., Oakland	124,835
(H) Geo. Pollock & Co., Sacramento	128,694
(I) Engineer's estimate	138,106

DREDGING, HARBOR WORKS & EXCAVATIONS

LONG BEACH, Cal.—Until October 23, 1 p. m., bids will be received by C. C. Lewis, city manager, for excavation and construction of dirt, gravel and oiled foundations for six steel tanks to be erected on Alamitos Hill for the Municipal Water Department, involving 95,000 cu. yds. excavation. Bids will be asked at a later date for the tanks. Plans were prepared by J. Burt Harmon, hydraulic engineer, J. B. Lippincott, consulting engineer. Plans on file in office of city manager.

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RICHMOND, Contra Costa Co., Cal.—Standard Dredging Co., 414 13th St., Oakland, awarded contract by U. S. Engineer, San Francisco, at \$93,868.09 (or 10.97c cu. yd.) for dredging in Richmond Harbor, deepening and widening the government channel in Richmond Inner Harbor, Contra Costa County. The plan calls for dredging the channel to a depth of 30 feet from Point Potrero to the inner harbor turning basin. The government channel will be 475 feet wide, to which will be added 75 feet maintained by the city, making the total width of the channel 550 feet. The bids were opened September 11.

ORANGE COUNTY, Cal.—Sparkes & McClellan, Newport Beach, at 17 1/2c cu. yd. (\$9100) submitted low bid to District Engineer, State Highway Commission, Los Angeles, to construct 0.3 mile of highway embankment near Newport Beach. Material is to be dredged from the channel known as the North Arm of Newport Bay. Project involves 52,000 cubic yards.

SACRAMENTO, Cal.—Until October 30, 3 p. m., under Circular Proposal No. 32-110, Specifications No. 2823-OGS, bids will be received by the U. S. Engineer Office, California Fruit Bldg., Sacramento, for raising an existing levee for a distance of approximately 5200- feet along the easterly side of Yolo By-Pass between the Yolo Causeway, on the Sacramento-Davis Highway and the Southern Pacific Railroad, involving 23,200 c. yds. Specifications obtainable from the above office.

NEW PORT BEACH, Orange Co., Cal.—Sparkes & McClellan, Newport Beach, awarded contract by the Irvine Co. of Tustin, at \$26,250 (or 17.5c cu. yd.) for 150,000 cu. yd. of dredging on tidelands property along the state highway north of Balboa.

SAN DIEGO, Cal.—Standard Dredging Co., 325 Central Bldg., Los Angeles, submitted low bid and is recommended for award of contract by Public Works Officer, 11th Naval District, San Diego, at \$47,500 (or 47.5c cu. yd.) for dredging at the Naval Operating Base (Destroyer Base), under Specifications No. 6686. The work consists of the dredging of an area north of the approach of the marine railway and parallel and adjacent to the lines of the new quay wall. The approximate estimated yardage, including overcut, is 100,000 cubic yards.

COLORADO, Colusa Co., Cal.—Lord & Bishop, 415 Native Sons Bldg., Sacramento, at \$82,942 submitted low bid to U. S. Engineer Office, Sacramento, for the construction of a concrete weir with apron and abutment walls and cobblestone revetment of the approach slope and talus of the weir, near Moulton Landing on the Sacramento River, about 10 miles northerly of Colusa, involving:

1. 13,670 cu. yds. excavation.
 2. 1,690 cu. yds. clay fill.
 3. 4,730 cu. yds. mass concrete.
 4. 1,000 cu. yds. reinforced concrete.
 5. 13,920 sq. ft. interlocking steel sheet piling wall.
 6. 6,380 sq. ft. open wooden sheet piling wall.
 7. 1,250 cu. yds. gravel base.
 8. 4,410 cu. yds. cobblestone revetment.
 9. 39,000 pounds reinforced steel.
- Total bids follow:

(A) Lord & Bishop, Sacramento.....	\$2,942
(B) M. A. Jenkins & J. R. Reeves, Sacramento.....	84,659
(C) C. W. Wood, Stockton.....	86,125
(D) A. Teichert & Son, Sacramento.....	86,893
(E) Force Construction Co., Piedmont.....	89,799
(F) A. Mitchell, Sacramento.....	92,117
(G) Skeels & Graham, Roseville.....	92,240
(H) Lindgren & Swinerton, Sacramento.....	96,865
(I) C. Dudley De Velbiss, San Francisco.....	97,702
(J) J. F. Shepard, Stockton.....	97,841
(K) Ward Eng. Co., S. F.....	99,345
(L) V. B. Dennis Construc. Co., San Diego.....	102,292
(M) Geo. Pollock Co., Sacramento.....	102,771
(N) O. G. Ritchie, San Jose.....	103,588
(O) John Berlinger, Orland.....	111,404
(P) Porter Bros., S. F.....	123,123
(Q) I. M. Sommer, S. F.....	125,012
(R) M. B. McGowan, S. F.....	133,584
Engineer's estimate.....	112,450

ANTIOCH, Contra Costa Co., Cal.—R. P. Easley, Antioch, awarded contract by J. B. Dickerson and R. A. Boyd of San Francisco for dredging in connection with yacht harbor development. Project contemplates a harbor 600 feet in length and 75 feet wide.

IRRIGATION PROJECTS

FAIR OAKS, Sacramento County, Cal.—Until November 7, 2 p. m., bids will be received by Guy L. Camden, secretary, Fair Oaks Irrigation District, to furnish

2900 ft. more or less, 30-inch, 10-gauge riveted or welded steel slip joint soil proofed pipe.

Bidders are requested to include in their bid f. o. b. delivery at Southern Pacific Station, Fair Oaks; also delivery along the present main pipe line of the district, located approximately 6 miles from the S. P. Station.

Separate bids are requested for furnishing and delivering

1500 ft. 12-inch 12-gauge welded or riveted steel slip joint soil proofed pipe delivered f. o. b. Southern Pacific Station, Fair Oaks.

TURLOCK, Stanislaus Co., Cal.—Aldrin and Anderson, Turlock, at \$1,826.23 awarded contract by Turlock Irrigation District for cement lining of the Clay Ditch in Improvement District No. 43.

STREET LIGHTING SYSTEMS

OAKLAND, Cal.—Alta Electric Co., Inc., 938 Howard St., San Francisco, at \$42,750 awarded contract by city council to install ornamental street

lighting system in East 14th St., between 22nd Ave. and High St., involving 136 Duplex standards with underground system.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—Walker-Martin Corp., 1241 E. Florence Ave., Los Angeles, at \$15,355 submitted low bid to city council to install ornamental street lighting with underground system in portions of Grand Ave. between Division St. and Spruce Ave. and Spruce Ave. between Grand Ave. and a point 25 feet north of Grand Ave. involving 46 Duplex cast iron electrolights of the Westinghouse Special California type.

Bids follow:
Walker-Martin Corp., Los Angeles.....\$15,355
A. C. Reid Co., San Francisco.....16,432
R. Flatland, San Francisco.....16,599
City Improvement Co., Oakland.....16,618
Butte Elec. & Mfg. Co., S. F.....17,691
Butte Elec. & Equip. Co., S. F.....24,598

Bids taken under advisement until November 2.

MACHINERY AND EQUIPMENT

BERKELEY, Alameda Co., Cal.—Until November 4, 10 A. M., bids will be received by Florence E. Turner, city clerk, to furnish one truck for the Bureau of Garbage; truck to have a capacity load of 7000 lbs. Certified check 10% payable to city required with bid.

STOCKTON, San Joaquin Co., Cal.—Colberg Boat Works, Stockton and West Lindsay Sts., Stockton at \$4350 awarded contract by County Supervisors to build a ferry boat.

OAKLAND, Cal.—Robinson Tractor Co., 1705 E. 12th St., Fruitvale, at \$3,919.59, submitted low bid to East Bay Municipal Utility District to furnish one 4-cylinder, 30-horsepower tractor with blade scraper. Eddy Machinery Co. submitted only other bid at \$3,985.65. Bids taken under advisement.

BERKELEY, Alameda Co., Cal.—Herberts-Moore Machinery Co., 140 1st St., San Francisco, at \$1,505, awarded contract by Berkeley City School District for furnishing a used shaper.

OAKLAND, Cal.—Tinen-Alexander Motors Co. at \$552 awarded contract by City Port Commission to furnish one industrial type Fordson tractor for use on the Outer Harbor Terminal.

REDWOOD CITY, San Mateo Co., Cal.—County supervisors contemplate purchase of a surgical medical ambulance for use in emergency service at the county hospital. Tentative plans provide for an ambulance costing \$16,000.

FIRE ALARM SYSTEMS

MENLO PARK, San Mateo Co., Cal.—Harry Lusk, Menlo Park, at \$155 awarded contract by city trustees to install traffic signals at Santa Cruz Ave. and State Highway. T. B. Hunnell, only other bidder at \$155.

FIRE EQUIPMENT

TORRANCE, Los Angeles Co., Cal.—Until 5 P. M., Nov. 3, bids will be received by city council to furnish city of Torrance 700 ft. of 2½-inch fire hose and 300 ft. of 1½-inch fire hose.

Such hose shall meet the following requirements: 700 ft. of 2½-in. double-jacketed fire hose and 300 ft. 1½-in. fire hose that will withstand

100 lbs. pressure on delivery and 3-year guarantee against all defects, to be equipped with heavy expansion ring coupling. A. H. Bartlett, city clerk.

RESERVOIRS AND DAMS

SAN JOSE, Santa Clara Co., Cal.—November 17 is the date set by the Board of Directors of the Santa Clara Valley Water Conservation District to vote bonds of \$5,000,000 to finance the purchase of the necessary lands and the construction of a series of storage reservoirs. Surveys and preliminary plans in connection with this project were prepared by Fred H. Tibbets, consulting engineer, Alaska Commercial Bldg., San Francisco.

WILLIAMS, Ariz.—Plans for the raising of the Santa Fe Ry. dam at Williams to provide additional capacity have been completed by the engineering department of the Atchison, Topeka & Santa Fe Railway. Plans call for an additional 14 ft. providing a total storage capacity of 170,000,000 gallons. This is practically double the present capacity.

PIPE LINES, WELLS, ETC.

SAN FRANCISCO—Bids will be asked shortly by S. J. Hester, secretary, Board of Public Works, to construct the Coast Range Emergency Pipe Line in connection with the Hetch Hetchy Water System. The Board of Supervisors has yet to decide on the authorization to call for bids on an alternative pipe line via Altamont Pass to be of redwood construction. Plans completed by City Engineer M. M. O'Shaughnessy provide for a steel pipe line, 23.9 miles in length, via Corral Hollow, from Thomas Shaft to the Alameda Creek Tunnel. The redwood pipe line would be 38.9 miles long. Both lines would have a delivery capacity of 45,000,000 gallons per day. The steel pipe line is estimated to cost \$1,730,000 and the redwood line, \$2,500,000.

SEWERS AND SEWAGE DISPOSAL PLANTS

LOS ANGELES, Cal.—L. W. Armstrong, chief engineer of storm drains, 752 City Hall, is preparing plans for the Civic Center Storm Drain; estimated cost \$60,000. Project involves:

- 1034 ft. 12-in. cement pipe;
- 136 ft. 15-in. cement pipe;
- 627 ft. 18-in. cement pipe;
- 427 ft. 21-in. cement pipe;
- 627 ft. 24-in. R. C. pipe (heavy);
- 414 ft. 24-in. R. C. pipe (double medium);
- 190 ft. 27-in. R. C. pipe (heavy);
- 190 ft. 27-in. R. C. pipe (double medium);
- 480 ft. 30-in. R. C. pipe (heavy);
- 314 ft. 36-in. R. C. pipe (heavy);
- 385 ft. 42-in. R. C. pipe (medium);
- 184 ft. 48-in. R. C. pipe (medium).

SACRAMENTO, Cal.—Harry Gould, 1022 27th Street, Sacramento, at \$1390 awarded contract by city council to reconstruct relief line sewer extending from 7th Street through alley between 7th and 8th Streets to west end of 8th Street, thence north to H Street and along H Street to main sewer in 9th Street.

FORT SHAFTER, T. H.—Until November 9, bids will be received by the Quartermaster, Fort Shafter, for repairs, additions and extensions to the sewer system and for a sewage pumping plant, together with electric primary line for same at Fort Shafter. Plans obtainable from above office.

ALAMEDA, Alameda County, Cal.—Until November 10, 2 p. m., bids will be received by C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, 161 Market Street, to construct Unit No. 2 consisting of a combination storm and sanitary sewer system and a portion of Unit No. 4 consisting of multiple duct subways for electric wiring, reinforced concrete manholes and service boxes at Government Island, Alameda. Project involves in the main:

- (1) 116 ft. reinf. conc. sewer pipe;
- (2) 5412 ft. vitrified ironstone sewer pipe;
- (3) 17 brick manholes;
- (4) 32 brick catchbasins;
- (5) 1440 ft. foundation piles;
- (6) 1 timber bulkhead;
- (7) 1530 cu. yds. unclassified excavation for outfall sewer ditch;
- (8) 1187 ft. multiple duct subways;
- (9) 4 reinforced concrete manholes;
- (10) 7 reinforced concrete service boxes.

Plans obtainable from above office on deposit of \$10, returnable, checks for same to be made payable to Federal Reserve Bank of San Francisco.

MODESTO, Stanislaus Co., Cal.—**LOS ANGELES, Cal.**—American Concrete & Steel Pipe Co., 4635 Firestone Blvd., submitted low bid to city purchasing agent to furnish reinforced concrete centrifugal storm drain pipe, f. o. b. trenchside department of water and power at Upper Franklin Reservoir, north of Beverly Hills. The items are:

- (1) 232 lin. ft. 21-in. inside diam., 8-ft. laying lengths, load 1000-D;
- (2) 288 lin. ft. 27-in. inside diam., 8-ft. laying lengths, load 1500-D;
- (3) 196 lin. ft. 27-in. inside diam., 8-ft. laying lengths, excepting one length 4 ft., load 1000-D;
- (4) 224 lin. ft. 30-in. inside diam., 8-ft. laying lengths, excepting two lengths 4 ft. each, load 1000-D.

The bids follow:

- American Concrete & Steel Pipe Co., (1) \$1.75, (2) \$2.75, (3) \$2.65, (4) \$3.05.
 United Concrete Pipe Co., (1) \$1.84, (2) \$2.83, (3) \$2.72, (4) \$3.
 Discounts 5% 30 days.

MISCELLANEOUS CONSTRUCTION

PRESTON, Sonoma Co., Cal.—Northwestern Pacific Railroad has forces at work widening the 2,000-ft. tunnel just south of the Mendocino-Sonoma county line. The work will involve an expenditure of \$90,000.

WATER WORKS

GILROY, Santa Clara County, Cal.—City votes bonds of \$5,000 to finance drilling well in connection with municipal water system and the installation of pumping equipment. Raymond Fisher, city engineer. E. F. Rogers, city clerk.

ST. HELENA, Napa County, Cal.—American Cast Iron Pipe Co., Balboa Bldg., San Francisco, awarded contract by city trustees to furnish 630 ft. of 6-in. c. i. pipe for extensions to municipal water system.

OAKLAND, Cal.—Until November 4, 5:30 p. m., bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, 512 Sixteenth St., Oakland, to furnish and erect two 16,000-gallon steel storage tanks for the Lafayette Distribution System. Specification obtainable from above office.

AGNEW, Santa Clara Co., Cal.—Until November 10, 2 p. m., bids will be received by State Department of

Public Works, Public Works Building, Sacramento, for constructing a concrete water tower and steel tank, capacity 100,000 gallons, at the State Hospital at Agnew.

NORWALK, Los Angeles Co., Cal.—Johnson & Reeves, Glendale, at \$7631 submitted low bid to State Department of Public Works, Sacramento, to install cast iron pipe line at the Norwalk State Hospital. Following is a complete list of bids:

- Johnson & Reeves, Glendale.....\$ 7,631
 W. P. McArthur, Los Angeles..... 7,668
 Younger & Fellows, L. A..... 7,735
 Saunders Bros., Whittier..... 8,460
 W. H. Robinson, Monterey Park..... 8,500
 Marco Mattich, Los Angeles..... 8,920
 Benedict & Churchill, L. A..... 8,948
 Lohman Bros., Los Angeles..... 9,288
 Pacific Pipe & Supply Co., L. A..... 9,583
 F. G. Reed Plumbing Co..... 9,685
 Sydney Smith, L. A..... 9,925
 American Eng. & Cont. Co., L. A. 10,496
 Thos. Haverty, Los Angeles..... 10,500
 Bids held under advisement.

Until October 28, 7:30 p. m., bids will be received by H. E. Gragg, city clerk, to furnish and deliver:

Class B sand cast, Class 150, Mono cast;

Class 150 De Lavaud cast iron pipe or equal:

- (1) 1560 ft. 4-in. Bell and Spigot c.i. pipe;
- (2) 1360 ft. 8-in. Bell and Spigot c.i. pipe;
- (3) 870 ft. 10-in. do
- (4) 400 ft. 6-in. do
- (5) 4 4-in. I. B. hub end gate valves;
- (6) 1 6-in. do
- (7) 5 8-in. do
- (8) 6 10-in. do
- (9) 2 4-in. class "B" c.i. plugs tapped off center for 2-in. std. pipe;
- (10) 5 6-in. class "B" c.i. plugs tapped off center for 2-in. std. pipe;
- (11) 3 8-in. class "B" do
- (12) 3 10-in. class "B" do
- (13) 2 10x10x4-in. class "B" c.i. bell end tees;
- (14) 2 10x10x6-in. do
- (15) 1 10x10x8-in. do
- (16) 1 10x10x10-in. do
- (17) 3 8x8x6-in. do
- (18) 3 8x8x8-in. do

Certified check or bond 10 per cent payable to mayor required with bid.

NORWALK, Los Angeles Co., Cal.—Johnson & Reeves, Glendale, at \$7,631 awarded contract by State Department of Public Works, to install cast iron pipe line at the Norwalk State Hospital.

CORONA, Riverside Co., Cal.—Until 7 P. M., Nov. 3, bids will be received by city council to furnish 4082 ft. of concrete pipe of not less than 40 lbs. pressure per square inch, as follows:

(1) 511 ft. 10-in. pipe;

(2) 1484 ft. 12-in. pipe;

(3) 1022 ft. 14-in. pipe;

(4) 1065 ft. 16-in. pipe.

All sections are to be 3 ft. in length and delivered on Main St., between Chase Drive and Hill Street. A. M. Hinkley, city clerk.

Laying of the pipe for drainage purposes will be done by the Foot-hill Lemon Company.

LOS ANGELES, Cal.—Bids for furnishing lap-welded electric resistance-welded and seamless steel water pipe for the department of water and power, under specification No. 2630, opened by city purchasing agent, Thomas Oughton, October 16th follow:

(1) 2000 lin. ft. 12 $\frac{1}{2}$ -in., outside diam., steel water pipe, thickness of wall $\frac{1}{4}$ -in., dipped in Walles-Dove Hermetic pipe coating at bidder's plant, f. o. b. on road at easterly end of Hollywood reservoir dam;

(2) Alt. bid on item (1), dipping pipe in or adjacent to city of Los Angeles;

(3) 1100 ft. 16-in., outside diameter, steel water pipe, thickness of wall $\frac{1}{4}$ -in., dipped in Walles-Dove Hermetic pipe coating, at bidder's plant, f. o. b. trenchside in Marquee Ave., between 300 ft. easterly of Ida St. and continuing southerly to Beverly Blvd.;

(4) alternate bid on item (2), dipping pipe in or adjacent to city of Los Angeles.

Petroleum Equip. Co.—(1)—, (2) \$1,957.4, (3)—, (4) \$3,109.6.

Calif. Pipe & Supply Co.—(1)—, (2) \$1,997.5, (3)—, (4) \$3,206.8.

Calif. Pipe & Supply Co., alternate bid—(1)— \$2,059.8, (2)—, (3)—, (4) —.

Ducommun Corp.—(1)—, (2) \$1,996.5, (3)—, (4) \$3,207.1.

Ducommun Corp., alternate bid—(1)—, (2) \$1,955.0, (3)—, (4) \$3,144.6.

Hacker Pipe & Supply Co.—(1)—, (2) \$1,765.0, (3)—, (4) \$3,136.

Associated Piping & Engr. Co.—(1)—, (2) \$1.94, (3)—, (4) \$3,124.2.

Associated Piping & Engr. Co., alternate bid—(1)—, (2) \$1.98, (3)—, (4) \$3,186.7.

Hickey Pipe & Supply Co.—(1)—, (1) \$1,971.5, (3)—, (4) \$3,159.7.

Midwest Pipe & Supply Co.—(1)—, (2) \$2,245, (3)—, (4) \$3,832.

Grinnell Co.—(1)—, (2) \$1,961.1, (3)—, (4) \$3,158.

The Republic Supply Co.—(1)—, (2) \$2,005.9, (3)—, (4) \$3,204.0.

The Republic Co., alternate bid—(1)—, (2) \$2,068.2, (3)—, (4) —.

Pacific Pipe & Supply Co.—(1)—, (2) \$1,955, (3)—, (4) \$3,144.6.

Pacific Pipe & Supply Co., alternate bid—(1)—, (2) \$1,996.5, (3)—, (4) \$3,207.1.

Crane Co. (1)—, (2) \$2,208.5, (3)—, (4) \$3,255.5.

Crane Co., alternate bid—(1) \$2,087.8, (2)—, (3) \$3,347.7, (4)—.

Crane Co., alternate bid—(1) \$2,091.0, (2)—, (3) \$3,432.2, (4)—.

Crane Co., alternate bid—(1) \$2,147.1, (2)—, (3)—, (4)—.

Crane Co., alternate bid—(1) \$2,087.8, (2)—, (3) \$3,347.7, (4)—.

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SAN FRANCISCO, Cal.—Berkeley Steel Construction Co., Inc., Second and Camella Sts., Berkeley, at \$992 submitted lowest bid to Constructing Quartermaster, Fort Mason, to construct 1000-barrel steel oil tank with an all-steel roof at Fort McDowell. Following is a complete list of the bids received:

Berkeley Steel Construction Co., Berkeley	992
Alternate	890
Dyer Bros., San Francisco	975
California Steel Products Co., San Francisco	1,074
Alternate	1,147
Western Pipe & Steel Co., San Francisco	1,220
Chicago Bridge & Iron Works, San Francisco	1,300
Boller Tank & Pipe Co., Oakland	1,393
Montague Pipe & Steel Co., San Francisco	1,756
Bay City Iron Works, San Francisco	1,935
Bids held under advisement.	

SAN DIEGO, Cal.—Until November 5, 11 a. m., under Specification No. 6645, bids will be received by the Public Works Officer, 11th Naval District, San Diego, for furnishing and installing a 15,000-gallon capacity lead-lined steel acid tank, with piping, valves and foundations complete, at the Naval Operating Base (Fuel Depot), San Diego. Plans obtainable from Public Works Officer on deposit of \$10, checks to be made payable to the Chief of the Bureau of Yards and Docks.

MARE ISLAND, Cal.—Federal Government has appropriated \$5,500 for construction in connection with a fresh water system at the Mare Island Navy Yard.

SACRAMENTO, Cal.—Barrett & Hilp, 918 Harrison St., San Francisco, are in the market for sub-bids in connection with the construction of the sedimentation basins at the Sacramento Municipal Filtration Plant. Bids for this work will be received by the Sacramento city council on October 29.

Sub Bids Wanted.

SACRAMENTO, Sac. Co., Calif.—Clinton Construction Co., 923 Folsom Street, San Francisco are in the market for sub-bids in connection with the construction of the sedimentation basins at the Sacramento Municipal Filtration Plant. Bids for this work will be received by the Sacramento city council on October 29.

HAYWARD, Alameda Co., Cal.—Election will be held November 7th in the Fairview district to vote on a proposal to form a water district to tie-in with the system of the East Bay Municipal Utility District. Should the district be formed a bond issue for \$48,000 will be floated to finance construction of a water distributing system.

OAKLAND, Cal.—Until October 28, 8 p. m., under Specifications No. LS 65, bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, 512 Sixteenth St., Oakland, to furnish approximately 50,000 lin. ft. 3/4-in. seamless copper tubing.

OAKLAND, Cal.—Until October 28, 8 p. m., under Specifications No. LS 66, bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, 512 Sixteenth St., Oakland, for purchase and delivery of 710 valves, sizes 4-in. to 16-in., for distribution system.

SAN FRANCISCO—Until November 4, 2:30 p. m. (time extended from October 28), bids will be received by S. J. Hester, secretary, Board of Public Works, to furnish and deliver butterfly and relief valves for the San Joaquin Valley Pipe Line, Hetch Hetchy Aqueduct, involving:

- (1) 2 automatic synchronous stop and relief valves;
- (2) 1 automatic pressure valve;
- (3) 1 60-inch butterfly valve.

Certified check 10 per cent payable to clerk of the Board of Supervisors required with bid.

ANAHEIM, Orange Co., Cal.—American C. I. Pipe Co., Los Angeles, awarded contract by city council to furnish c. i. pipe for municipal water department:

- 4800 ft. 4-in. pipe, 16-ft. lengths, at 30.8c ft.
3000 ft. 6-in. pipe at 43.5c ft.
1600 ft. 18-in. pipe at 61.4c ft.

Contract for 3000 lbs cast iron fittings awarded to Reliable Iron Foundry at \$74.80 per ton.

SACRAMENTO, Cal.—Until October 26, 3 P. M., under Order No. 2784/1866, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, for one Warren Duplex Pump End, 9 1/2-in. by 10-in., for Warren Steam Pump, including cylinder with liners, valve seats, valves, stems, springs, guards and nuts; valve plate, cap cylinder head and pump pistons with packing, foot under pump cylinder and rolled bronze piston rods with nuts. Delivery f. o. b. Rio Vista.

SAN FRANCISCO—Bids will be asked shortly by S. J. Hester, secretary, Board of Public Works, to install sprinkler system for the race track in the Golden Gate Park stadium.

LOS ANGELES, Cal.—H. A. Van Norman, chief engineer of the Water & Power Bureau, has been authorized by the Los Angeles Board of Water & Power Commissioners to prepare plans for a reservoir and a water system to serve the Hollywood district. The commissioners also authorized the abandonment of the Hollywood dam. The substitute plans will entail an expenditure of approximately \$2,495,300.

PLAYGROUNDS & PARKS

SAN FRANCISCO—Until October 26, 3 P. M., under Proposal No. 770, bids will be received by Leonard A. Leavy, city purchasing agent, 270 City Hall, to furnish loam and cattle manure for Playground Commission during fiscal year 1931-1932. Specification obtainable from above office.

ALAMEDA, Alameda Co., Calif.—Until November 3, 8 p. m., bids will be received by W. E. Varcoe, city clerk, to resurface three tennis courts at Washington Park with one-half-inch of cold emulsified asphalt. Specifications obtainable from city engineer. Certified check 10% payable to city required with bid.

STREETS AND HIGHWAYS

HOLLISTER, San Benito Co., Cal.—Until November 2, 8 P. M., bids will be received by James P. Davis, Clerk, San Benito County High School District, to construct curbs and walks at high school grounds. Certified check 5% payable to district required with bids. Plans obtainable from the office

of the clerk or from W. H. Woods, architect, 325 Market St., San Francisco.

SAN JOSE Santa Clara Co., Cal.—Union Paving Co., Call Bldg., San Francisco, at \$4,892.31 submitted low bid to city council to improve Seventh St. from Empire St. to Jackson St., involving:

- (1) 29,802 sq. ft. paving;
- (2) 2,189 sq. ft. gutter;
- (3) 1,093 lin. ft. curb;
- (4) 2 concrete inlets;
- (5) 46 lin. ft. 8-in. V. P. storm drains;
- (6) 75 lin. ft. 4-in. V. P. house laterals;
- (7) 867 sq. ft. valley gutter.

Complete bids follow:

(A) Union Paving Co., San Francisco.				
(B) Valley Paving Co., Fresno.				
(C) A. J. Ralsch, San Jose.				
(D) San Jose Paving Co., San Jose.	(A)	(B)	(C)	(D)
	(1)	.12	.14	.15
	(2)	.25	.20	.20
	(3)	.30	.40	.50
	(4)	25.00	35.00	30.00
	(5)	.50	1.00	1.00
	(6)	.50	.50	.75
	(7)	.25	.22	.22

Bids held under advisement. Wm. Popp, city engineer.

MODOC COUNTY, Cal.—Morrison and Knudsen, Boise, Idaho, at \$54,911 submitted low bid to the U. S. Bureau of Public Roads, San Francisco, and will probably be recommended for award of contract for grading and structures on Section B of Route 12, Howard Gulch National Forest Highway, Modoc County National Forest, involving:

- (1) 37 acres clearing;
- (2) 35,500 cu. yds. unclassified excavation;
- (3) 194 cu. yds. unclassified excavation for structures;
- (4) 62,000 cu. yds. unclassified excavation for borrow;
- (5) 303,000 sta. yds. overhaul;
- (6) 7,571 miles finishing earth-grade road;
- (7) 82 cu. yds. concrete;
- (8) 575 lbs. reinforcing steel;
- (9) 1140 lin. ft. 18-in. C.M.P.
- (10) 364 lin. ft. 24-in. C.M.P.
- (11) 200 lin. ft. 30-in. C.M.P.
- (12) 80 lin. ft. 36-in. C.M.P.
- (13) 20 right of way monuments.

Following is a complete list of the unit and total bids received:

(A) Morrison and Knudsen, Boise, Idaho	\$54,911
(B) Larson Bros., Galt	66,214
(C) Teslaus Bros., Berkeley	68,921
(D) Calif. Construction Co., San Francisco	73,792
(E) Parker Schram, Portland, Ore.	79,823
(F) Young and Son, Berkeley	79,960
(G) Steele Finley, Santa Monica	80,598
(H) Dunn and Baker, Klamath Falls, Ore.	88,360
(I) Washburn and Hall, Portland, Ore.	92,119
(J) Engineer's estimate	79,000

FRESNO, Fresno Co., Cal.—Associated Oil Co. at \$8,426 per bid of 42 gals. delivered Oil City, submitted low bid to the county supervisors to furnish from 125,000 to 175,000 barrels of road oil for use on county highways. Complete list of bids and points of delivery follow:

Associated Oil Co., Oil City	\$8,425
Gilmore Oil Co., Bakersfield	0.65
Richfield Oil Co., Bakersfield	0.65
Standard Oil Co., Seguro	0.65
Union Oil Co., Malibu	0.65

*Bid submitted by W. C. McDuffie as receiver for Richfield Oil Co.

SAN BERNARDINO COUNTY, Cal.—Until November 4, 2 P. M., bids will be received by State Highway Commission to grade and surface with oil treated selected material, 10.9 miles between Devore and Alray. Project involves:

- (1) 613,000 cu. yds. rdwy. excav. without classification;
- (2) 2,590,000 sta. yds. overhaul;
- (3) 66,200 tons sel. material;
- (4) 9,100 cu. yds. struc. excav.
- (5) 1,516 cu. yds. Class "A" cement conc. (struct.);
- (6) 1,608 cu. yds. Class "A" cem. conc. (slope paving);
- (7) 1,200 cu. yds. Class "C" cem. conc. (retaining walls);
- (8) 138,500 lbs. bar reinf. steel (struct.);
- (9) 6,050 sq. yds. reinf. steel (slope paving);
- (10) 18,800 bbls. fuel oil for surfacing and seal coat;
- (11) 1,250 cu. yds. screenings (seal coat);
- (12) 1,380 bbls. fuel oil for detours;
- (13) 75 lin. ft. 12" corr. metal pipe;
- (14) 920 lin. ft. 18" do;
- (15) 1,650 lin. ft. 24" do;
- (16) 242 lin. ft. 30" do;
- (17) 666 lin. ft. 36" do;
- (18) 1,986 lin. ft. 48" do;
- (19) 30 lin. ft. corr. metal pipe (clean and relay);
- (20) 5 cu. yds. conc. remove from existing struct. and disposed of;
- (21) 2,430 lin. ft. laminated timber guard rail;
- (22) 2 mi. property fences moved and reset;
- (23) 2 mi. new property fences;
- (24) 578 sta. finish rdwy;
- (25) 240 monuments.

State will furnish corr. metal pipe.

MARE ISLAND, Cal.—Federal Government has appropriated \$10,000 for street extensions in connection with improvements at the Mare Island Navy Yard.

SAN FRANCISCO—Municipal Construction Co., Cal. Bldg., at \$753.80 awarded contract by Board of Public works to improve Elk St., bet. Bosworth and Chenery Sts., involving: 96 lin. ft. armored conc. curb, \$1.50; 10 lin. ft. 6-in. V.C.P. side sewer, \$.50; 1344 sq. ft. 6-in. class E conc. pave., \$.45.

SAN FRANCISCO—California Construction Co., Standard Oil Bldg., at \$735.50 awarded contract by Board of Public Works to improve Clarendon Ave. west of Stanyan St., involving: 62 lin. ft. armored conc. curb, \$1.50; 40 lin. ft. 6-in. V.C.P. side sewers, \$2.00; 1250 sq. ft. asph. cons. pave., consisting of 2-in. asph. conc. surf. on 6-in. class F conc. base, \$.45.

SAN FRANCISCO—E. J. Treacy, Cal. Bldg., at \$728.70 awarded contract by Board of Public Works to improve Vienna St., bet. Silver and Excelsior Aves., involving: 10 lin. ft. armored conc. curb, \$1.50; 45 lin. ft. 6-in. V.C.P. side sewers, \$1.00; 738 sq. ft. 6-in. class E conc. pave., .45c; 748 sq. ft. asph. conc. pave. consisting of 1½-in. asph. conc. surf. on 6-in. class F conc. base, .45c.

SAN FRANCISCO—Theo Cohn, at \$56.25 awarded contract by Board of Public Works to improve south half of Wilder Street from Diamond Street easterly, involving: 75 lin. ft. armored conc. curb, \$1.25; 18 lin. ft. 6-in. V.C.P. side sewers, \$2.00; 1350 sq. ft. asph. conc. pave., 2-in. asph. conc. surf. on 6-in. class F conc. base, 39c.

EUREKA, Humboldt Co., Cal.—Humboldt county supervisors have approved resolution appropriating \$5,000

to be used in financing survey of the new Shoreline Highway.

PACIFIC GROVE, Monterey Co., Cal.—Until October 29, 7:30 P. M., bids will be received by Elgin C. Hurlbert, city clerk, (3390) to improve Eardley Ave., bet. Lighthouse Ave. and Junipero Ave. Project involves:

- (1) 22,000 sq. ft. oil macadam on reconstructed bases;
- (2) 32,000 sq. ft. oil macadam on existing base;
- (3) 3,500 lin. ft. conc. curb and gutters.

Estimated cost, \$10,000. E. Dames, city manager and city engineer. Certified check 10% payable to city required with bid.

OAKLAND, Cal.—J. H. Fitzmaurice, 354 Hobart St., at \$2757.50 awarded contract by city council to improve portions of Lerida Ave., westerly of Carlston Ave., involving 509 cu. yds. excavation, \$1.00; 842 lin. ft. conc. curb, 65c; 1976 sq. ft. gutter, 25c; 6528 sq. ft. cem. pave., 10c; 2515 sq. ft. cem. walks, 16c; 608 sq. ft. conc. driveways, 25c.

ORANGE COUNTY, Cal.—Sparkes & McClennan, Newport Beach, at 17½c cu. yd. (\$3100) submitted low bid to District Engineer, State Highway Commission, Los Angeles, to construct 0.3 mile of highway embankment near Newport Beach. Material is to be dredged from the channel known as the North Arm of Newport Bay. Project involves 52,000 cubic yards.

CALIFORNIA—Following contracts were accepted October 9 by the State Highway Commission:

Siskiyou County—Constructing a graded roadbed and placing untreated crushed gravel or stone surfacing between Yreka and the Klamath River, on the Pacific Highway, for about 7 miles. Wren & Greenough, Portland, contractors, \$574,200.

Siskiyou County—Applying bituminous surface treatment to the existing road between one and one-half miles north of Yreka and Klamath River on the Pacific Highway. Healey-Moore Co., Oakland, \$26,600.

Sutter County—Constructing a graded roadbed and placing an asphalt concrete pavement near Sutter Hospital, on the Pacific Highway, for about 0.3 of a mile. Jones & King, contractors, \$6500.

El Dorado County—Constructing a bituminous treated surface, between Mays and the Nevada State line and between Bay View Rest and 1 mile north of Eagle Falls, on the Placer-Tahoe highway. Force Constr. Co., Oakland, contractor, \$38,800.

Amador County—Furnishing and applying heavy fuel oil to the existing surfacing between Amador City and Martell, on the Mother Lode highway, for about 4.3 miles. E. F. Hilliard, Sacramento, \$2200.

UKIAH, Mendocino Co., Cal.—Until November 10, bids will be received by county supervisors to construct Section 1 of the Union Landing Road bet. Juan Creek and Union Landing Plains on file in office of county clerk.

SACRAMENTO, Cal.—City council rejects bids (2311) to improve east one-half of 39th St. from 36th Way east to point 11½ ft. north of McKinley Blvd. involving grading, concrete curbs, gutters and walks, c.i. gutter drains, vit. pipe sewer, conc. manholes, 2-in. asph. conc. pave. with seal coat on 3-in. cem. gravel sub-base, street lighting system. 1911 Act. Bond Act 1915. New bids will be asked at once.

SAN JOSE, Santa Clara Co., Cal.—Union Paving Co., Cal. Bldg., San Francisco, at \$8,572.08, to improve Willow St. between Gaudalupe River bridge and west city limits at Bird Ave. and portions of Bird Ave., Warren Ave., Shepherd, Delmas and Spencer Aves., and Prevost St. at Willow St., involving:

- (1) 44,335 sq. ft. paving;
- (2) 4,030 sq. ft. gutter;
- (3) 2,105 lin. ft. curb;
- (4) 31 cu. yds. gravel for sidewalk.

Complete bids follow:

(A) Union Paving Co., San Francisco.

(B) A. J. Ralsch, San Francisco.	(1)	(2)	(3)	(4)
(A).	1.465	.25	.50	\$2.50
(B).	.17	.20	.50	2.00

MARIPOSA COUNTY, Cal.—Until November 5, 2 P. M., bids will be received by C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, 461 Market St., San Francisco, for 7.266-miles of placing a crushed rock base course on a portion of Section B-2 of Route 2, Wawona Road, Yosemite National Park, involving:

- (1) 7,266 miles fine grading subgrade and shoulders;
- (2) 13,200 cu. yds. crushed rock base course;
- (3) 600 cu. yds. supplemental crushed rock;
- (4) 800 M gallons watering.

Plans obtainable from engineer on deposit of \$10, returnable, checks for same to be made payable to Federal Reserve Bank of San Francisco.

MARIPOSA COUNTY, Cal.—Until November 5, 2 p. m., bids will be received by C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, 461 Market St., San Francisco, for 8.847 miles of highway grading and structures, Section A-1 of Route 5, Yosemite National Park, involving:

- (1) 58 acres clearing;
- (2) 333,000 cu. yds. unclassified excavation;
- (3) 558 cu. yds. unclassified excavation for structure;
- (4) 123,000 sta. yds. overhaul;
- (5) 8.996 miles finishing earth graded road;
- (6) 15 cu. yds. foundation fill;
- (7) 237 cu. yds. hand-laid rock embankment;
- (8) 120 cu. yd. masonry;
- (9) 4,816 lin. ft. C. M. pipe in place;
- (10) 101 cu. yds. Class "A" concrete;
- (11) 11,000 lbs. reinforcing steel;
- (12) 3,000 cu. yds. m. hauling selec. material to cover slopes to be planted;
- (13) 19 acres removing and stockpiling duff.

Bids received for this project on September 22 last have been rejected, the low bidder, Lang Transportation Co. of Los Angeles, at \$217,494 having refused to sign the contract. The next low bid was submitted by the Countoules Construction Co. of San Francisco at \$299,565. A complete list of the unit and total bids on this project was published in our issue of September 23.

Plans obtainable from district engineer on deposit of \$10, returnable, checks for same to be made payable to Federal Reserve Bank of San Francisco.

SACRAMENTO, Cal.—Until November 2, 10 a. m. bids will be received by Harry W. Hall, county clerk, to construct road rock base with an oil surface on Lower Marysville Road to replace the Natomas Trestle. Certified check of 10% payable to Chairman of the Board of Supervisors required with bid. Plans obtainable from Chas. Birding, Jr., county surveyor.

SAN FRANCISCO—Until Oct. 29, 11 A. M., bids will be received by Constructing Quartermaster, Fort Mason, for road repairs at Fort Funston. Work involves covering the red rock road with bitumulus, 335 ft. by 12 ft.

EL SEGUNDO, Los Angeles County, Cal.—City council rejects bids to improve Imperial Highway and new bids will be asked for. Project involves:

- (1) 28,000 cu. yds. grading and shaping (lump sum bid);
- (2) 342,000 sq. ft. 6-in. Bitumulus full penetration pavement;
- (3) reinforced concrete double box culvert.

R. T. Hutchins is the city engineer. Proceedings under 1911 act.

CRESCENT CITY, Del Norte County, Cal.—Until November 11, 11 a. m., under Specification No. 6728, bids will be received by Public Works Officer, Mare Island Navy Yard, for maintaining and improving the road to the U. S. Naval Radio Compass Station at Point St. George, Crescent City. Specifications and further information obtainable from the Commandant, Mare Island Navy Yard.

STOCKTON, San Joaquin Co., Cal.—Until November 21 11 A. M., bids will be received by Eugene D. Graham, County Clerk, to improve the Telegraph Road through Wagner Heights in Road District No. 1. Certified check or surety bond 10% payable to Chairman of the Board of Supervisors required with bid. Plans obtainable from Julius Manthey, county surveyor.

ALAMEDA, Alameda Co., Calif.—Until November 3, 8 p. m., bids will be received by W. E. Varcoe, city clerk, to resurface three tennis courts at Washington Park with one-half-inch of cold emulsified asphalt. Specifications obtainable from city engineer. Certified check 10% payable to city required with bid.

REDWOOD CITY, San Mateo Co., Cal.—Robert Farich, 2088 Howard St., San Francisco, at \$2,091 awarded contract by city council to grade a portion of the Sneath Road within the San Pedro Rancho and the First Road District, involving:

- (1) 5700 cu. yds. clear and grade;
- (2) 8000 sta. yds. overhaul;
- (3) 140 lin. ft. culvert pipe installation;
- (4) 4 reinf. conc. culvert inlets;
- (5) 16 reinf. conc. survey monuments.

Complete bids follow:

(A) Robert Farich, S. F.	\$2,091
(B) A. J. Grier, Oakland	2,093
(C) W. A. Dontanville, Salinas	2,198
(D) Harry J. Wold, San Jose	2,222
(E) J. T. Holland, S. F.	2,453
(F) Granfield, Farrar & Carlin, San Francisco	2,530
(G) A. J. & J. L. Fairbanks, San Francisco	2,670
(H) H. E. Casey, San Mateo	3,101

(1)	(2)	(3)	(4)	(5)
(A)	.32	.01	.25	\$26 \$3
(B)	.25	.02	.80	30 3
(C)	.32	.02	.60	20 4
(D)	.36	.005	.30	10 3
(E)	.38	.01	.60	20 3
(F)	.40	.01	.50	15 3
(G)	.40	.02	.50	24 4
(H)	.475	.02	.50	25 4

KENTFIELD, Marin Co., Cal.—Until November 12, 8 p. m., bids will be received by Ada M. Fusselman, secretary, Marin Junior College District, for work on the Junior College grounds as follows:

- (1) Grading approximately 538 ft. of roadway to a width of 30 ft;
- (2) Placing curbs and surfacing roadway;

Plans obtainable from secretary, Community Theater Bldg., San Anselmo. Certified check 10 per cent required with bid.

OAKLAND, Alameda Co., Cal.—Until November 3, 10:30 a. m., bids will be received by George E. Gross, county clerk, to improve portion of Grizzly Peak Blvd., southeasterly from Fish Ranch Road, approximately 2 1/2 miles to a junction on the Skyline Blvd., involving:

- Proposition A:
- (1) 135,000 cu. yds. grading;
 - (2) 525 lin. ft. 12" pipe culvert;
 - (3) 3005 station yards, 500 ft. free haul.

- Proposition B:
- (1) 177,000 cu. yds. grading;
 - (2) 940 lin. ft. 12" pipe culvert;
 - (3) 340,000 station yards overhaul, 500 yds. free haul.

Plans obtainable from George A. Posey.

SAN JOSE, Santa Clara Co., Cal.—Valley Paving Co., P. O. Box 1349, Fresno, at \$1,375.37, awarded contract by city council to improve Mount Hamilton View Dr. from 30th St. to point 15.28 ft. west of 31st St., involving:

- (1) 8,816 sq. ft. paving;
- (2) 90 sq. ft. gutter;
- (3) 1 flushing inlet;
- (4) 45 lin. ft. curb;
- (5) 105 lin. ft. 4" V. P. house laterals;

Unit prices follow:

- (A) Valley Paving Co., Fresno.
- (B) San Jose Paving Co., San Jose.
- (C) Union Paving Co., San Francisco.
- (D) A. J. Raisch, San Jose (irregular).

(A)	(B)	(C)	(D)
(1)	.142	.17	.16 .15
(2)	.20	.25	.25 .20
(3)	.40	.40	.50 .40
(4)	35.00	35.00	25.00 .
(5)	.50	.75	.60 .70

SALINAS, Monterey Co., Cal.—Tynan Lumber Co., 211 Main St., Salinas, at \$4,582.08, submitted low bid to city council to improve portions of Maple St., involving:

- (1) 30,010 sq. ft. grading;
- (2) 17,850 sq. ft. hydraulic concrete pavement;
- (3) 1,265 lin. ft. cem. conc. curb;
- (4) 6,270 sq. ft. 3 1/2-in. cement sidewalks.

Complete bids follow:

- (A) Tynan Lumber Co., Salinas \$4,582.08
- (B) W. A. Dontanville, Salinas 4,867.90

(C) Engineer's estimate 4,969.80

(A)	(1)	(2)	(3)	(4)
(A)	.015	.1575	.35	.14
(B)	.015	.17	.35	.15
(C)	.015	.175	.36	.15

Bids taken under advisement. Howard Cozzens, city engineer.

SAN FRANCISCO—Bids will be asked shortly by S. J. Heister, secretary, Board of Public Works, for the following improvements: Pave roadways at the Marina Yacht Harbor Grounds; Construct sidewalks, planting and appurtenances in connection with the Bernal Cut; Improve Alemany Blvd., Section A, from the Mission Viaduct to the Bayshore Blvd., involving scarifying, rolling and oiling.

Quantities of materials involved in these projects will be published shortly.

UKIAH, Mendocino Co., Cal.—As previously reported, bids will be received by H. M. Burke, county clerk, until November 10, 10 a. m., to construct Section 1 of the Union Land-

ing Road between Juan Creek and Union Landing. Project involves 20,000 cu. yds. unclassified excavation. Plans obtainable from county surveyor.

BERKELEY, Alameda Co., Calif.—Until October 26, 8 p. m., bids will be received by Trustees of the Berkeley City School District for grading the Garfield School grounds for the Burbank Culvert.

OAKLAND, Alameda Co., Cal.—Until October 26, 4:30 p. m., bids will be received by G. B. Hegardt, secretary, City Port Commission Grove Street Pier, for construction of temporary oil manueuvr roadway between 5th and 9th Aves. Plans obtainable from secretary.

SAN JOSE, Santa Clara Co., Cal.—Union Paving Co., Call Bldg., San Francisco, at \$7,287.47 awarded contract by city council to improve portions of Oberg Ave. and Norton Ave., involving:

- (1) 27,182 sq. ft. paving;
- (2) 4,404 sq. ft. gutter;
- (3) 2,202 lin. ft. curb;
- (4) 4,348 sq. ft. sidewalk;
- (5) 3 brick manholes;
- (6) 685 lin. ft. 4-in. V. P. house laterals;
- (7) 1,136 lin. ft. 6-in. V. P. sanitary sewer mains.

Unit bids follow:

- (A) Union Paving Co., San Francisco.
- (B) Valley Paving Co., Fresno.
- (C) A. J. Raisch, San Jose.
- (D) San Jose Paving Co., San Jose.

(A)	(B)	(C)	(D)
(1)	.135	.14	.155 .167
(2)	.25	.20	.20 .20
(3)	.30	.40	.40 .60
(4)	.15	.15	.15 .15
(5)	60.00	80.00	50.00 70.00
(6)	.50	.50	.70 .75
(7)	.60	.80	.90 .90

SAN JOSE, Santa Clara Co., Cal.—Union Paving Co., Call Bldg., San Francisco, at \$7,248.07 awarded contract by city council to improve Montgomery St. between San Fernando St. and Park Ave., involving:

- (1) 34,025 sq. ft. paving;
- (2) 2,735 sq. ft. gutter;
- (3) 1,347 lin. ft. curb;
- (4) 6,404 sq. ft. sidewalk;
- (5) 2 concrete outlets;
- (6) 50 lin. ft. 8-in. V. P. storm drains;
- (7) 260 lin. ft. 4-in. V. P. house laterals;
- (8) 60 lin. ft. 6-in. V. P. main sewer.

Unit bids follow:

- (A) Union Paving Co., San Francisco.
- (B) Valley Paving Co., Fresno.
- (C) San Jose Paving Co., San Jose.

(A)	(1)	(2)	(3)	(4)
(1)	.145	.15	.175	
(2)	.25	.20	.20	
(3)	.30	.40	.60	
(4)	.15	.15	.15	
(5)	25.00	35.00	35.00	
(6)	1.00	1.00	1.00	
(7)	.50	.50	.75	
(8)	.60	.80	.90	

Orders for lumber dropped below production for the week ended October 10, although shipments continued in favorable relation to production, telegraphic reports from 825 mills to the National Lumber Manufacturers' Association indicate. These reports showed orders 5 per cent below, and shipments 9 per cent above a combined production of 175,677,000 feet. A week earlier 820 mills reported orders 10 per cent above and shipments 20 per cent above a production of 168,467,000 feet.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
1518	Ruegg	Owner	3000
1519	Nelson	Owner	4000
1520	Nelson	Owner	4000
1521	Nelson	Owner	4000
1522	Restani	Owner	3500
1523	Paganocci	Owner	3000
1524	Bemiss	Malloch	9000
1525	Waters	Owner	3500
1526	Mergen	Anderson	4000
1527	Delucci	Novello	5500
1528	Mager	Owner	4000
1529	Perasso	Owner	3500
1530	Anderson	Aetna	6000
1531	Doelger	Owner	4000
1532	Standard	Owner	2000
1533	Erickson	Owner	4250
1534	Michael	Owner	4000
1535	Doelger	Owner	4000
1536	Firestone	Francesconi	1600
1537	Adda	Harder	24300
1538	Fantozzi	Isaac	3750
1539	Gilmore	Owner	4000
1540	Cicerone	Owner	3500
1541	Cicerone	Owner	5000
1542	Anderson	Owner	5000
1543	Frisch	Lindeman	7000
1544	Sullivan	Madsen	1500
1545	Arata	Owner	3500
1546	Stefan	Cohen	1000
1547	Johnson	Owner	64000
1548	Frisch	Lindeman	1000
1549	Schroeder	Owner	3000

DWELLINGS

(1518) E TALBERT 228 S Visitation Ave. Two one-story and basement frame dwellings.
Owner—Ruegg Co., 369 Pine St., San Francisco.
Plans by Owner. \$4000 each

DWELLING

(1519) W TWENTY-FIRST AVE. 209 S Sloat Blvd. One-story and basement frame dwelling.
Owner—F. Nelson & Sons, 2919 19th Ave., San Francisco. \$4000

DWELLING

(1520) W TWENTY-FIRST AVE 129 S Elio Blvd. One-story and basement frame dwelling.
Owner—F. Nelson & Sons, 2919 19th Ave., San Francisco.
Plans by Owner. \$4000

DWELLING

(1521) E TWENTY-SIXTH AVE 40 S Sloat Blvd. One-story and basement frame dwelling.
Owner—F. Nelson & Sons, 2919 19th Ave., San Francisco.
Plans by Owner. \$4000

DWELLING

(1522) S SCHWERIN 247 W Sunnydale Ave. One-story and basement frame dwelling.
Owner—E. Restani, 250 Schwerin St., San Francisco.
Plans by Owner. \$3500

DWELLING

(1523) W INGALLS 100 N Palou Ave. One-story and basement frame dwelling.
Owner—V. Paganocci.
Plans by Owner. \$3000

ADDITION

(1524) NO. 430 MAIN ST. Add story to factory.
Owner—W. C. Bemiss, 430 Main St., San Francisco.
Architect—Not Given.
Contractor—J. G. Malloch, 666 Mission St., San Francisco. \$9000

DWELLING

(1525) W SAN MIGUEL 80 S Niagara Ave. One-story and basement frame dwelling.
Owner—H. Waters, 291 Lobos St., San Francisco.
Architect—Not Given. \$3500

DWELLING

(1526) S LINCOLN WAY 32 E 41st Ave. One-story and basement frame dwelling.
Owner—M. B. Mergen, 619 19th Ave., San Francisco.
Plans by Owner.
Contractor—E. A. Anderson, 1177 De Haro St., San Francisco. \$4000

DWELLING

(1527) SE NAVAJO AVE AND DELANO. One-story and basement frame dwelling.
Owner—S. Delucci, 260 Seneca Ave., San Francisco.
Architect—Not Given.
Contractor—J. Novello, 172 Bertita St., San Francisco. \$5500

DWELLING

(1528) W FOURTEENTH AVE 195 S Santiago. One-story and basement frame dwelling.
Owner—Mager Bros. & Son, 1359 4th Ave., San Francisco.
Plans by Owner. \$4000

DWELLING

(1529) N ARLETA 225 W Rutland. One-story and basement frame dwelling.
Owner—J. Perasso, 811 Athens St., San Francisco.
Architect—Not Given. \$3500

DWELLING

(1530) SE CLARENDEN AVE, AND STANYAN. Two-story and basement frame dwelling.
Owner—A. Anderson, 166 Miramar St., San Francisco.
Plans by Contractor.
Contractor—Aetna Constr. Co., 166 Miramar St., S. F. \$6000

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - California

DWELLING

(1531) E NINETEENTH AVE 175 S Kirkham. One-story and basement frame dwelling.
Owner—H. Doelger, 300 Judah St., San Francisco.
Plans by B. K. Dobkowitz, 425 Monterey Blvd., San Francisco. \$4000

STATION

(1532) SW UNION AND VAN NESS Ave. One-story steel service station.
Owner—Standard Oil Co., 225 Bush St., San Francisco.
Plans by Owner. \$2000

DWELLING

(1533) E THIRTY-FOURTH AVE 167 S Wawona. One-story and basement frame dwelling.
Owner—E. Erickson, 519 Miramar Ave., San Francisco.
Plans by Owner. \$4250

DWELLING

(1534) W SIXTEENTH AVE. 280 S Taraval. One-story and basement frame dwelling.
Owner—J. Michael and C. Bomerer, 762 De Haro St., San Francisco.
Plans by B. K. Dobkowitz, 425 Monterey Blvd., San Francisco. \$4000

DWELLING

(1535) N SANTIAGO 32 W 17th Ave. One-story and basement frame dwelling.
Owner—H. Doelger, 300 Judah St., San Francisco.
Plans by B. K. Dobkowitz, 425 Monterey Blvd., S. F. \$4000

ADDITION

(1536) NO. 1135 LAKE. Add to dwelling.
Owner—F. Firestone, 5297 California St., San Francisco.
Architect—Not Given.
Contractor—F. Francesconi, 1059 Union St., San Francisco. \$1600

APARTMENTS

(1537) S CHESTNUT 137 W Laguna. Three-story and basement (9) apartment.
Owner—U. and L. Adda, 1725 Chestnut St., San Francisco.
Plans by Owner.
Contractor—G. Harder, 1233 41st Ave., San Francisco. \$24,300

DWELLING

(1538) SE LONDON AND FRANCE. One-story and basement frame dwelling.
Owner—Mr. Fantozzi, c/o Contractor.
Plans by Owner.
Contractor—H. H. Isaac, 1662 Page St., San Francisco. \$3750

DWELLING

(1539) N URBANO DR. 415 W Borica. One-story and basement frame dwelling.
Owner—Ed. Gilmore, 185A Folsom St., San Francisco.
Plans by Owner. \$4000

DWELLING

(1540) NE COR. 20TH AND PENNSYLVANIA. One-story and basement frame dwelling.
Owner—Cicerone Co., 1419 18th St., San Francisco.
Plans by C. A. Wilder. \$4000

DWELLING

(1511) E PENNSYLVANIA 25 N 20th St. One-story and basement frame dwelling.
Owner—Cleone Co., 1419 18th St., San Francisco.
Plans by C. A. Wilder. \$3500

DWELLING

(1542) E SAN FELIPE 50 N El Verano. One-story and basement frame dwelling.
Owner—A. Anderson.
Architect—C. F. Strothoff, 1274 15th St., San Francisco. \$5000

DWELLING

(1543) W WEBSTER 50 N Bay. Two-story frame dwelling.
Owner—J. Frisch, 157 Sutter St., San Francisco.
Plans by W. R. Lindeman, 829 44th Ave., San Francisco.
Contractor—H. O. Lindeman, Ltd., 619 27th Ave., San Francisco. \$7000

ADDITION

(1544) NO. 2254 MARKET. Addition to funeral parlor.
Owner—A. J. Sullivan, 2254 Market St., San Francisco.
Plans by Owner.
Contractor—R. Madsen, 294 Ocean Ave., San Francisco. \$1500

STATION

(1545) NE THIRTY-SEVENTH AVE and Balboa. Steel service station.
Owner—A. Arata, Hobart Bldg., San Francisco.
Engineer—S. S. Gorman, Merchants' Exchange Bldg., San Francisco. \$3500

ALTERATIONS

(1546) NO. 1135 BUCHANAN. Alter interior of store.
Owner—G. Stefan, 1296 Golden Gate Ave., San Francisco.
Plans by Contractor.
Contractor—H. Cohen, 909 Laguna St., San Francisco. \$1000

DWELLINGS

(1547) N TUCKER AVE 25 E Rutland. Two 1-story and basement frame dwellings.
Owner—G. Johnson, 1175 Munich St., San Francisco.
Architect—Not Given. \$3200 each

REMODEL

(1548) NO. 3230 SCOTT. Remodel basement for store.
Owner—J. Frisch, 157 Sutter St., San Francisco.
Plans by W. R. Lindeman, 829 44th Ave., San Francisco.
Contractor—H. O. Lindeman, Ltd., 619 27th Ave., San Francisco. \$1000

DWELLING

(1549) S SUSSEX 119 E Swiss Ave. Two-story and basement frame dwelling.
Owner—W. Schroeder, 291 Peninsula Ave., San Francisco.
Architect—Not Given. \$3000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
233	Constantatos	Morris	6000
234	McConaghy	Rainey	1400
235	Salta	Mission	17350
236	Bernicchi	Malaspina	
237	Adda	Harder	24300

DWELLING

(233) LOCATION NOT GIVEN. All work for six-room dwelling with garage.

Owner—Athanasios and E. Constantatos.

Architect—Not Given.

Contractor—Morris & Weiner, 1082 Market St., San Francisco.

Filed Oct. 15, '31. Dated Oct. 15, '31. Loan to be secured through Morris & Weiner, payable to Morris & Weiner.

Owner to put up money to Veterans' Bureau at time required.

TOTAL COST, \$6000

Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

BUILDING

(234) S GROVE 206-915 W Polk W 34-114 S 85-914 36-10 N 102 to beg. W A 68. All work for one-story brick Class C building.

Owner—J. and M. McConaghy.
Architect—Eng. Dept. of San Francisco.

Contractor—Wm. A. Rainey & Sons, Inc., 323 Clementina St., San Francisco.

Filed Oct. 17, '31. Dated Oct. 17, '31. 75% completed and accepted. \$1050

Usual 35 days, 25%.....\$350

TOTAL COST, \$1400

Bond, \$700. Sureties, Sullivan & Ray.

Limit, 15 days. Forfeit, none. Specifications only filed.

BUILDING

(235) NW OTIS 116 SW Twelfth SW 82 NW 130 to SE Chase Ct NE 47-0 1/2 N Colusa Place NW 8 SE 42-1 1/4 m or l NE 17-1 1/4 SE 100 to beg M E 13. Two-story concrete Class C building (to furnish materials and labor).

Owner—Salta Co. (a business trust).
Architect—E. H. Denke, 1317 Hyde St., San Francisco.

Contractor—Mission Concrete Co., 125 Kissling St., San Francisco.

Filed Oct. 17, '31. Dated Oct. 13, '31. Concrete poured to 2nd floor. \$4997.50

Roof on3500.00

Completed and accepted.....4500.00

Usual 35 days.....4332.50

TOTAL COST, \$17,330.00

Bond, \$17,330. Surety, Fidelity Deposit Co. Limit, 60 days. Forfeit, \$50. Plans and specifications, none.

BUILDING

(236) W NAPLES 75 N Brazil. One-story and basement frame building
Owner—Carlo Bernicchi and wife.
Designer—Jos. Bisio.

Contractor—M. Malaspina.
Filed Oct. 17, '31. Dated Sept. —, '31

Tar and gravel roof completed.....\$1312.50

Completed.....1312.50

TOTAL COST, \$—

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

APARTMENTS

(237) C CHESTNUT 137-6 W Laguna St. W 25xS 130. All work for three-story and basement frame (9) apartments.

Owner—Umberti and Letizia Adda, 1725 Chestnut St., San Francisco.
Architect—Not Given.

Contractor—Gerrit Harder, 1233 41st Ave., San Francisco.

Filed Oct. 19, '31. Dated Oct. 13, '31. Brick walls and steel beams in.....\$4000

Roof boards laid.....5300

Brown coated.....5000

Completed and accepted.....5000

Usual 35 days.....5000

TOTAL COST, \$24,300

Bond, \$24,300. Surety, Fidelity & Casualty Co. of New York. Limit, 150 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded	Accepted
Oct. 15, 1931—SW BUSH & JONES. Joe Chan and E. O'Connor (as Trustees of J. Chan, dead) to E A Schortgen.....Oct. 14, 1931	
Oct. 15, 1931—LOTS 7 AND 8 Map Sub. of Blk 123, Sunnyside Addn No. 1. Meyer Bros to whom it may concern.....Oct. 13, 1931	
Oct. 15, 1931—ALL LOTS 26 AND 27 Ptn Lots 25 and 28 Blk 2971, Map Sub. No. 3 Mirafloza Park deeded; SE Juanita Way dist 10 NE from SW line said Lot 25 NE 114 S 30° 32' E 78.422 SW 115.826 N 30° 32' W 98.605 to beg. Meyer Bros to whom it may concern.....October 13, 1931	
Oct. 15, 1931—W FORTY-SIXTH AVE 225 N Judah 25x120. H A Ward to whom it may concern.....October 15, 1931	
Oct. 15, 1931—E FIFTEENTH AVE 133-3 S Santiago S 33-42x127-6 OL 1116. A J and E Benson to whom it may concern.....Oct. 15, 1931	
Oct. 15, 1931—E TWENTY-FIFTH AVE 150 N Santiago 25x120. N W Anderson to whom it may concern.....October 14, 1931	
Oct. 15, 1931—SE FOLSOM AND Ripley 30x90. A Piel to whom it may concern.....Oct. 15, 1931	
Oct. 15, 1931—S RIPLEY 90 E Folsom, 25x70. A Piel to whom it may concern.....Oct. 15, 1931	
Oct. 15, 1931—W FORTIETH AVE 225 S Judah 25x120. Elias Vigen to whom it may concern.....October 10, 1931	
Oct. 15, 1931—E TWENTY-SEVENTH AVE 200 N Lawton 25x120. Christian Andersen to whom it may concern.....Oct. 12, 1931	
Oct. 15, 1931—N JEFFERSON 30.483 from Webster W 53.17 N 58.367 NE 78.851. Louis Franceschi to whom it may concern.....Oct. 14, 1931	
Oct. 15, 1931—LOT 25 BLK C, Lakeview on Harold Ave 122 S Ocean Ave. Thomas J Sullivan to whom it may concern.....Oct. 14, 1931	
Oct. 14, 1931—W SIXTEENTH AVE 79-11 N Rivera N 29-1xW 120 S 22 m or l E 120 m or l Fred Isaacson to whom it may concern.....Oct. 14, 1931	
Oct. 14, 1931—LOTE 36 AND 37 BLK 54, Reis Tract. Jose Galia to l Sweet.....Oct. 14, 1931	
Oct. 14, 1931—N BRANNAN ST. 100 E Third known as 380 Brannan. Maria Kunde to J Michale and C Bonerli.....Oct. 10, 1931	
Oct. 14, 1931—NO. 2450 TWENTY-third Ave. William S Hoffman to The Aetna Constr Co.....Oct. 14, 1931	
Oct. 14, 1931—SE SUTTER AND Pierce Sts. Pavilion Ice Rink to whom it may concern.....Oct. 14, 1931	
Oct. 14, 1931—E TALBERT ST. 164 S Visitation Ave. The Ruegg Co to whom it may concern.....October 14, 1931	
Oct. 14, 1931—E TALBERT ST. 196 S Visitation Ave. The Ruegg Co to whom it may concern.....October 13, 1931	
Oct. 14, 1931—W THIRTY-SEVENTH AVE 158-3 S Anza S 72-6xW 120 O L 320. Michael and N Costello to whom it may concern.....October 7, 1931	
Oct. 15, 1931—E THIRTIETH AVE 160 N Santiago E 120xN 50. N E Johnson to whom it may concern.....October 16, 1931	
Oct. 17, 1931—S CASA WAY 28.619 W Retiro Way. Wm Lane to Wm Reiman.....Oct. 14, 1931	
Oct. 17, 1931—NW RETIRO WAY at pt dist SW 255.247 from W Folsom SW 25 N 55° 50' 14" W 92 N	

10° 30' 14" W 35.355 to Inter of line drawn N 55° 50' 14" W from pt beg S&E 117 to beg ptn Marina Gardens. Paul R Frugoli to whom it may concern. Oct. 15, 1931

Oct. 17, 1931—E TWENTY-FIRST Ave 275 N Quintara N 25x120 OL 1022. C and F Gellert to whom it may concern. Oct. 16, 1931

Oct. 17, 1931—E TWENTY-FIRST Ave 250 N Quintara N 25x120 OL 1022. C and F Gellert to whom it may concern. Oct. 16, 1931

Oct. 17, 1931—E SPEAR AND NW Edson NW 137-5 x NE 137-5. Pacific Gas & Electric Co to T Hemi; S Sunkowich, J W Lanigan and J L Delaney (as Alta Roofing Co). Oct. 8, 1931

Oct. 19, 1931—LOT 29 BLK 561 and 29 BLK 561, Map Bay Park Hd. Assn. Arturo Barsotti to whom it may concern. Oct. 10, 1931

Oct. 16, 1931—E COLLINGWOOD 85 N 21st N 55x125 H 192, J R and E Jackson to H O Lindeman, Ltd. Oct. 16, 1931

Oct. 16, 1931—NE BEACH AND Webster N 52x120. Viggo and Christine Rasmussen to whom it may concern. Oct. 16, 1931

Oct. 16, 1931—W TWENTY-SECOND Ave 225 S Moraga 25x120. Bernhard Heglin to whom it may concern. Oct. 15, 1931

Oct. 16, 1931—E THIRTY-FOURTH Ave., bet. Cabrillo and Balboa. D J Conlon to Albert A Plagge. Oct. 12, 1931

Oct. 16, 1931—SW PORTOLA DR and Teresita Blvd. Associated Oil Co to J A Grant. Oct. 12, 1931

Oct. 16, 1931—E Arch 525 N Garfield N 25x120 Blk 33, City Land Assn Lots 2 and 3 Blk 3271 and Lot 13 Blk 3277, Mt. Davidson Manor. Castle Bldg Co to Henry Horn. Oct. 13, 1931

Oct. 16, 1931—SE SANTA ANA AVE dist NE from SW line Lot 25 Blk 3259 SE 100 SW 81,700 NW 56,961 NW 37,80 th along curve to SE Santa Ana Ave NE 42,969 Lot 24 Ptn Lot 25 Blk 3259 Map Blks 3257, 3258 and 3259, Balboa Terrace Addn. Castle Bldg Co to Henry Horn. Oct. 13, 1931

Oct. 16, 1931—NO. 1621 FILLMORE St. Robert White Co to Joel Johnson & Son. Oct. 12, 1931

Oct. 16, 1931—NO. 5 PIONEER PL. Society of California Pioneers to E A Anderson. Oct. 7, 1931

Oct. 17, 1931—SE ALEMANY BLVD 159 107 NE from pt inter of said SE line Alemany Blvd with NE Tingley said pt of beg being dist 155 NE meas at right angle from NE Tingley SE and parl with NE Tingley 81.642 to NW bdy line Lot 26 Blk 6800 Castle Manor NE 29,972 along NW bdy line Lot 26 to SW Silver Ave NW 50.139 to pt of curve at inter of Silver Ave and Alemany Blvd th tangent to preceding curve W 37.622 along line of st at Junction of Silver Ave and Alemany Blvd on curve to left with radius of 30 ft. to pt of compound curve on SE Alemany Blvd SW 9,750 to beg being ptn of land fmy Alemany Ave now closed and ptns of lands of Gensler-Lee Invst. Corp and lands fmy of City and County of S. F. Map Castle Manor. Caslte Bldg Co to Jesse Horn. Oct. 17, 1931

Oct. 20, 1931—E TWENTY-FIFTH Ave 200 S Kirkham E 120x25. Donald A Cameron to Jas C Duerner. Oct. 20, 1931

Oct. 20, 1931—W TWENTY-FOURTH Ave 200 N Santiago N 25xW 120. James L Furey to Henry Doelger. Oct. 15, 1931

Oct. 20, 1931—W THIRTY-THIRD Ave 200 N Balboa N 25xW 120;

W 32nd Ave 175 N Balboa N 25xW 120. Ambrogio Toscanini to Henry Doelger. Oct. 15, 1931

Oct. 20, 1931—S NORTH POINT 205 E Fillmore 125xS 137-6. James W and Emma McCabe to whom it may concern. Oct. 22, 1931

Oct. 20, 1931—NW WAYLAND 107 SW Brussels SW 26xNW 100 Blk 20. Univ. MD Survey. Annie M Lundie to McNutt Bros. Oct. 17, 1931

37.50 ft. in N and S. direction 100.30 in E and W direction on SW Capra Way and Avila St., Marina District. F E and H. Rathjens to Strehlow & La Voie. Oct. 14, 1931

Oct. 19, 1931—NE BAYVIEW AND Newhall 50x100. S and L Fanucci to Louis Pastorini. Oct. 17, 1931

Oct. 19, 1931—W TWENTY-FOURTH Ave 25 N Santiago 25x95. Noah Swanson to whom it may concern. Oct. 19, 1931

Oct. 19, 1931—1253 McALLISTER. Joe H and Seymour Attell to Jack O'Neil. Oct. 19, 1931

Oct. 19, 1931—TWO CITY BLKS bounded by Van Ness Ave, Franklin and McAllister Sts. City and County of San Francisco and The Board of Trustees of The War Memorial of S. F. to Louis J Cohn. Oct. 16, 1931

LIENS FILED

San Francisco County

Recorded	Amount
Oct. 16, 1931—N TWENTY-FIRST 85 W Harrison W 25-15xN 100. Bear Flooring Co vs Dominic and Antonetta Barca and H F Phipps	\$50
Oct. 16, 1931—W PIERCE 75 S Chestnut S 25xW 110. Bear Flooring Co vs John and Nellie Moran and H F Phipps	\$43.20
Oct. 16, 1931—E HARRISON 156 S 23rd S 26x120. Bear Flooring Co vs Angelo H and Angelina Squeri and H F Phipps	\$32.88
Oct. 16, 1931—SE TURK AND LYON E 137-6xS 75. R Stahl vs Mrs. N Golden	\$100
Oct. 16, 1931—NE TWELFTH 150 S Mission S 61-3xN 159. The Turner Co vs Celcrete Co, Ltd; Ocean Shore Ry Co and Ocean Shore Railroad Co	\$158.96
Oct. 16, 1931—S THORNTON ST. 135 E Vesta E 25xS 85. Inlaid Floor Co vs M J Meade and Kappeler Bros	\$122.50
Oct. 14, 1931—S CLAY 137-6 W Laurel W 43-6 S 127-8x E 43-6 N 127-8. O W Britt & Son vs Fannie K Wiel	\$282.98
Oct. 20, 1931—E MISSISSIPPI ST. 443 N Twenty-second St N 25x120. Chas R McCormick Lumber Co vs M and E Meneghetti and W E Tuomisto	\$662.48
Oct. 20, 1931—N FILBERT 62-6 E Jones E 20xN 50. W P Fuller & Co vs P Toscanelli; C A Simi; V Simi and E Lini	\$64.38
Oct. 20, 1931—E FORTY-SIXTH AVE 150 S Balboa S 25x120. Harry and Samuel Ginsberg (as Ginsberg Tile Co) vs W S Morris	\$259.10
Oct. 19, 1931—NW EDINBURGH 225 SW Brazil Ave SW 25xNW 100. L Milani vs H Koch and M Odenthal	\$210
Oct. 19, 1931—COMG. 22.616 N Ulloa at pt 100 E Forest Side Ave W 101.272 S 24.447 SE on curve 29.23 W E 76.767 E S 7.78 N 22.616 Ptn West Portal Park. Conrad E Sovig vs Mrs. J A Reid or Gertrude A Reid	\$37.50
Oct. 19, 1931—E MISSISSIPPI 443 N 22nd N 25x120. E G Erikson and G F Wagner (as Erikson & Wag-	

ner) vs Max and Eda Meneghetti and W E Tuomisto\$185.50

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Amt.
1188	Lovett	Owner	7500
1189	Monez	Owner	4000
1190	White	White	5000
1191	Bonne	Gaubert	3600
1192	Santos	Jouquin	1100
1193	Shuey	Shuey	1000
1194	Bonne	Gaubert	4000
1195	Standard	Thrums	1600
1196	Hubbard	Pickrell	5000
1197	Van Gelder	Owner	4300
1198	Barham	Owner	3500
1199	Katz	Rocknell	4000
1200	Hendrick	Owner	3000
1201	Whitehead	Owner	1000
1202	Paulson	Durgan	3000
1203	Johnson	Owner	1900
1204	Atlas	Larsen	10000
1205	Calif.	McWethy	1500
1206	Wilson	Owner	1500
1207	Hazel	Owner	8000
1508	Peschel	Owner	3000
1509	Albrecht	Rockwell	2500
1510	Wells	Reimers	6300

1511 Sagat
APARTMENTS
(1188) NO. 1711-17-5-1717 TWENTY-Ave., OAKLAND. Two-story 16-room apartments.
Owner—S. E. Levett, 1708 27th Ave., Oakland.
Architect—Not Given. \$7500

DWELLING
(1189) NE EL CENTRO AND BENEVIDES Aves., OAKLAND. Two-story 6-room dwelling.
Owner—A. H. Monez, 1700 Leimert Blvd., Oakland.
Architect—Not Given. \$4000

RESIDENCE
(1190) NO. 1691 SAN ANTONIO AVE. BERKELEY. Two-story six-room 1-family frame residence and garage.
Owner—W. H. White, 688 B St., Hayward.
Plans by Contractor.
Contractor—W. White Constr. Co., 2534 Virginia St., Berkeley. \$5000

LAUNDRY
(1191) NE FIFTY-SIXTH ST. AND SHATTUCK Aves., OAKLAND. One-story tile laundry.
Owner—G. Bonne, 1075 7th St., Oakland.
Architect—Not Given.
Contractor—Gaubert Bros. 4736 Brookdale Ave., Oakland. \$3600

ALTERATIONS
(1192) NO. 10415 E-FOURTEENTH St., OAKLAND. Alterations and addition.
Owner—Ermelinda Santos, Premises.
Architect—Not Given.
Contractor—Manuel Joaquin, 1034 87th Ave., Oakland. \$1100

GARAGE
(1193) N McAULEY ST. 75 E Telegraph Ave., OAKLAND. One-story tile garage.
Owner—Edna Grant Shuey.
Architect—G. Officer, Hotel Claremont, Oakland.
Contractor—R. A. Shuey Cry, Prem. \$1000

DWELLING
(1194) N FIFTY-SIXTH ST. 100 E Shattuck Ave., OAKLAND. One-story 5-room dwelling.
Owner—G. Bonne, 1075 7th St., Oakland.

Architect—Not Given.
Contractor—Gaubert Bros. 4736 Brookdale Ave., Oakland. \$4000

ALTERATIONS
(1195) NO. 2941 BROADWAY, OAKLAND. Alterations.
Owner—Standard Creameries Co.
Architect—Not Given.
Contractor—C. H. Thrums, 28 Home Place, Oakland. \$1600

DWELLING
(1196) NO. 510 OAKES BLVD., SAN LEANDRO. Two-story 7-room dwelling.
Owner—Henry R. Hubbard.
Architect—Not Given.
Contractor—J. H. Pickrell, 332 Santa Clara Ave., Alameda. \$5000

RESIDENCE
(1197) NO. 520 CURTIS ST., ALBANY. Five-room residence.
Owner—F. Van Gelder, 1716 Delaware St., Berkeley.
Architect—Not Given. \$4300

DWELLING
(1198) NO. 820 TALBOT AVE., ALBANY. Five-room dwelling.
Owner—Barham Co., American Bldg., Oakland.
Architect—Not Given.
Contractor—Barham Co. \$3500

RESIDENCE
(1199) NO. 900 SANTA FE AVE. and 1410 Solano Ave., ALBANY. Residence and store.
Owner—R. Katz, 648 Alcatraz Ave., Oakland.
Architect—Not Given.
Contractor—Rocknell & Bartlett, 349 38th St., Oakland. \$4000

DWELLING
(1200) NO. 840 RAMONA AVE., ALBANY. Five-room dwelling.
Owner—H. G. Headrick, 823 Ramona Ave., Albany.
Architect—Not Given. \$3000

ADDITION
(1201) NO. 321 MAGNOLIA ST., OAKLAND. Addition.
Owner—I. Whitehead, 231 Magnolia St., Oakland.
Architect—Not Given. \$1000

DWELLING
(1202) NO. 1279 CAROLINE ST., ALAMEDA. One-story four-room frame and stucco dwelling.
Owner—Harry Paulson, 1347 Caroline St., Alameda.
Plans by Ward Durgan, 3922 La Certe St., Oakland.
Contractor—Ward Durgan, 3922 La Certe St., Oakland. \$3000

ADDITION
(1203) NO. 1309 MYRTLE ST., OAKLAND. Add to apartments.
Owner—C. P. Johnson, 712 Longridge Road, Oakland.
Architect—Not Given. \$1900

ADDITIONS
(1204) S G ST. W 90TH AVE., OAKLAND. Two additions.
Owner—Hazel Atlas Glass Co., 89th Ave. and G St., Oakland.
Architect—Not Given.
Contractor—Larsen & Larsen, 629 Bryant St., San Francisco. \$10,000

ALTERATIONS
(1205) NW BAY PLACE AND VERNON ST., OAKLAND. Alterations.
Owner—California Plunges Ltd., 374 17th St., Oakland.
Architect—Not Given.
Contractor—L. R. McWethy, 374 17th St., Oakland. \$1500

ALTERATIONS
(1506) NO. 1037 SUNNYHILLS ROAD, OAKLAND. Alterations and additions.
Owner—Wm. Paul Wilson, 1037 Sunnyhills Road, Oakland.
Architect—Not Given. \$1500

ADDITIONS
(1507) S G ST. W NINETIETH AVE., OAKLAND. Two additions.
Owner—Hazel Atlas Co., G St. and 90th Ave., Oakland.
Architect—Not Given.
Contractor—Larsen & Larsen, 629 Bryant St., San Francisco. \$9000 each

DWELLING
(1508) NO. 1974 HOOVER AVE., OAKLAND. One-story six-room dwelling.
Owner—C. O. Peschel, 4276 Fruitvale Ave., Oakland.
Architect—Not Given. \$3000

DWELLING
(1509) S NICOL AVE. 334 E Coolidge Ave., OAKLAND. One-story five-room dwelling.
Owner—Bertha Albrecht.
Architect—Not Given.
Contractor—N. E. Rockwell, 349 38th St., Oakland. \$2500

DWELLING
(1510) NO. 1080 HUBERT ROAD, OAKLAND. Two-story six-room dwelling.
Owner—Mr. and Mrs. E. Wells, Jr., 770 Wesley Ave., Oakland.
Ray F. Keefer, 770 Wesley Ave.
Contractor—Irwin H. Reimers, 745 Wakavista Ave., Oakland. \$6800

FOUNDRY
(1511) NO. 850 ASHBY AVE., BERKELEY. One-story frame and sheet iron foundry.
Owner—A. Sagat, 1041 Russell St., Berkeley.
Architect—Not Given. \$1500

COMPLETION NOTICES

Alameda County

Recorded	Accepted
Oct. 20, 1931—NE TWENTY-FIRST and Valley Sts., Oakland. John Breunor Co., lessee Pacific States Auxiliary Corp. owner to S Kulchar & Co.	Oct. 10, 1931
Oct. 20, 1931—NO. 651 FIFTY-seventh St., Oakland. Thomas and Pauline K. Russell to C F Lodge	Oct. 20, 1931
Oct. 20, 1931—NW 40 FT. LOT 5 Blk A, Glenwood, Oakland. Minnie Frink to C W Leekins.	October 15, 1931
Oct. 20, 1931—LOT 10 BLK A, Claremont Pines. Roy and Ida H Mauvals to Sam Steindel.	Oct. 20, 1931
Oct. 19, 1931—PTN LOT 24, Subd. of a ptn of Piedmont Heights, Piedmont. Sisters of the Sacred Names of Jesus and Mary to W A Aschen.	Oct. 15, 1931

Oct. 19, 1931—N THIRTY-FIFTH AVE 4903 NW of W line of a certain tract of land close in front to Harry W Bishop, recorded May 24, 1930 in Vol. 578, Deeds, Page 4, Oakland, L. H. Whitaker to whom it may concern. Oct. 16, 1931

Oct. 19, 1931—LOT 3 BLK 3, Oakmore Terrace, Oakland. Wallace A Peterson to whom it may concern. Oct. 15, 1931

Oct. 19, 1931—NW PTN OF LOT 97, Central Square, Oakland. Milan C and Mary H Gale to whom it may concern. Oct. 16, 1931

Oct. 19, 1931—NO. 1044 C ST., Hayward. Walter Plier to Jensen & Pedersen. Oct. 17, 1931

Oct. 17, 1931—STATE HIGHWAY, bet. Dublin and Hayward. Dept of Public Works, Division of Highways, State of Calif to E Anderson & Son. Oct. 15, 1931

Oct. 17, 1931—NO. 1690 TACOMA AVE., Berkeley. Thorvald Pedersen to whom it may concern. October 16, 1931

Oct. 17, 1931—LOT 19 BLK K, Durrant Manor, Oakland. James B Grubb to whom it may concern. October 15, 1931

Oct. 17, 1931—INTERSECTION NE Carpenter St. and SE Williams St., San Leandro. Manuel Ruiz to Anthony Hemenez. Oct. 13, 1931

Oct. 17, 1931—W BROADWAY N of 17th St., Oakland. Mary A Bowles to R W Littlefield. Oct. 1, 1931

Oct. 16, 1931—NO. 1735 SONOMA AVE., Berkeley. Marcus A Peel to whom it may concern. October 16, 1931

Oct. 16, 1931—LOT 32 and Ptn Lot 31 Blk 16, Map No. 4, Regents Park, Albany. Donald M Eyre to whom it may concern. Oct. 14, 1931

Oct. 16, 1931—LOT 51 and Ptn Lot 50 Blk 11, Map No. 8 of Regents Park, Albany. George Guay to Head, 15, 1931—LOT 26 BLK G, Northwhom it may concern. Oct. 10, 1931

Oct. 16, 1931—LOT 26 BLK G, Northbrae Terrace, Berkeley. Stanley and Esther S Rapp to Isaac De Munck. Oct. 13, 1931

Oct. 15, 1931—LOT 2 BLK L, Mulford Gardens, Alameda County. Roscoe C and Della A Fulmer to C E Atkinson. Oct. 10, 1931

Oct. 15, 1931—CAMPUS OF THE University of California, Berkeley. The Regents of the University of California to J J Grodum & Co. Oct. 8, 1931

Oct. 15, 1931—CAMPUS OF THE University of California, Berkeley. The Regents of the University of California to Charles C Moore & Co. Oct. 7, 1931

Oct. 14, 1931—PTN LOTS 22 AND 23 Blk C, Toler Heights, Oakland. Charles W and Ada J Griffith to whom it may concern. Oct. 9, 1931

Oct. 14, 1931—PTN LOTS 16 AND 17, Maple Crest, Oakland. Minnie Frink to C W Leekins. Oct. 8, 1931

Oct. 14, 1931—LOT 78, Ardmore, San Leandro. Michael and Nellie R Devaney to whom it may concern. Oct. 13, 1931

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

Oct. 14, 1931—LOT 9 BLK 123, Corrected Map of Raymond Tract, Berkeley. Joe Macagno to Joe Macagno. Oct. 10, 1931
 Oct. 13, 1931—NO. 25 EIGHTH ST., Oakland. Geo P. Hermann Steel Co to H J. Christensen. Oct. 12, 1931

LIENS FILED

Alameda County

Recorded	Amount
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Oct. 19, 1931—PTN LOTS 2 AND 3 Piedmont Terrace, Piedmont. Thos Arada vs J D and Geneva Genger \$20

Oct. 16, 1931—PTN LOT 1, Trenor & Armstrong Tract, Alameda Co. C LeRoy Olson (as Leroy Olson Co) vs Frank Brophy Jr and Frank I. Brophy \$70.65

Oct. 16, 1931—LOT 11 BLOCK C Seenic Blvd, Knowles, Oakland. Markus Hardware Co vs A Christensen and G C and S E Warn. \$77
 Oct. 16, 1931—N LINE 14TH ST. 150XW Jackson, Oakland. Max Finzel, \$149.59; James McGowan, \$1067.10 vs Allen Crutcher and P Norby

BUILDING CONTRACTS

SAN MATEO COUNTY

SCHOOL

GRAND AND KATHERIN STS., Redwood City. Furnish mechanical equipment and electrical work for parochial school.

Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.

Architect—H. A. Minton, 525 Market St., San Francisco.

Contractor—The Turner Co.

Filed Oct. 15, '31. Dated Oct. 1, '31. As work progresses.

TOTAL COST, \$2948.40
 Bond, \$2948.40. Surety, Massachusetts Bonding & Insurance Co. Limit, Dec. 27, 1931. Forfeit, \$50. Plans and specifications filed.

NEAR BEGINNING SOUTHERN PART of County. Crystal Springs Aqueduct.

Owner—City and County of San Francisco.

General Contractor—MacDonald & Kahn Co., Financial Center Bldg., San Francisco.

Engineer—M. M. O'Shaughnessy, S. F. City Engineer.

Sub-Contractor—L. C. Smith.

Filed Oct. 16, '31. Dated Sept. 8, '31.

As work progresses.
 Limit, 75 days. Forfeit, plans and specifications, none.

DWELLING

LOT 19 BLK 33, City of Visitation. All work for dwelling.

Owner—Perl A. Lyon, City of Visitation.

Architect—Not Given.

Contractor—J. J. Comes, City of Visitation.

Filed Oct. 17, '31. Dated Sept. 26, '31.

Foundation in \$200

Frame up 200

Inclosed 200

When lathed 200

When completed 650

TOTAL COST, \$1450

Bond, limit, forfeit, plans and specifications, none.

STORE BLDG.
 LOT 6 BLK 12, San Mateo. All work for two-story reinforced concrete store building.

Owner—Carl Merkel et al, 201 B St.,

San Mateo.
 Architect—Edwards & Schary, 550 Montgomery St., San Francisco.
 Contractor—H. H. Larson Co., 64 South Park, San Francisco.
 Filed Oct. 6, '31. Dated Oct. 15, '31.
 As work progresses..... 75%
 Usual 35 days..... 25%

TOTAL COST, \$48,300
 Bond, \$24,150. Sureties, W. S. Wetenhall and J. H. McCallum. Limit, 170 working days. Forfeit, \$25. Plans and specifications filed.

BUNGALOW
 GRAND AVE., Redwood City. All work for five-room Spanish style bungalow and 2-car garage.
 Owner—W. C. Krogh et al.
 Architect—Not Given.

Contractor—Morris & Weiner, 1182 Market St., San Francisco.

Filed Oct. 13, '31. Dated Oct. 10, '31.

Frame up 1/4

Brown coated 1/4

When completed 1/4

Usual 35 days..... 1/4

TOTAL COST, \$5135

Bond, none. Limit, 90 working days.

Forfeit, plans and specifications, none

BUILDING PERMITS

SAN MATEO

RESIDENCE, \$11,000; Lot 36 Blk 17, No. 335 Nevada St., Baywood; owner, Mr. and Mrs. Harold Wolcotte, 4210 Balboa St., San Francisco; architect, Grimes & Schoening, Balovich Bldg., San Mateo; contractor, Floyd Van Golder, 1716 Delaware St., San Mateo.

RESIDENCE, \$750; Lot 10 Blk 10; Gunnell St., San Mateo; owner, J. L. Pierce, 1412 Chopen Ave., Burlingame; architect, Grimes & Schoening, Balovich Bldg., San Mateo; contractor, Richard P. Miner, 1406 Burlingame Ave.

STORE building, \$48,300; Lot 6 Blk 12, B and Second Sts., San Mateo; owner, Carl and Cuno Meikel, B and 2nd Sts., San Mateo; architect, Edwards & Schary, 550 Montgomery St., San Francisco; contractor, H. H. Larsen Co., 60 South Park San Francisco, and 775 Edgewood Rd., San Mateo.

RESIDENCE, \$7500; Lot 9 Blk 3, Edinburg St., San Mateo; owner and contractor, Lengfeld & Olund Ltd., 220 Third Ave., San Mateo.

STORE and apartment building, \$6000 Lot 83, 911 Bayshore Blvd., San Mateo; owner, Geo. Bendenelli; contractor, B. Norberg, 832 Monell St., San Mateo.

RESIDENCE, \$4000; E 40 ft. Lot 18 Blk 4, S 25th Ave., San Mateo; owner, Castle Bldg. Co., 835 Market St., San Francisco; plans by Donnell E. Jackie, 744 Call Bldg., San Francisco.

RESIDENCE, \$4000; W 20 ft. Lot 5 and E 20 ft. Lot 6 Blk 7 N 26th Ave., San Mateo; owner, Castle Bldg. Co., 835 Market St., San Francisco; plans by Donnell E. Jackie, 744 Call Bldg., San Francisco.

RESIDENCE, \$5000; Lot 7 Blk 3-A, No. 37 Seville St., San Mateo; owner, Meyer Bros., 727 Portola Drive, San Francisco.

ALTER residence, \$1000; Lot 1 Resub. of 457 Barneson Ave., San Mateo; owner, Miss Harriet J. Styrom, 124 Barneson Ave., San Mateo.

SERVICE station, \$2300; N 95 ft. Lot 34, No. 2910 El Camino Real, San Mateo; owner and contractor, Martin Vinca, Beresford Nurseries

BUNGALOW, \$4000; Lot 10 Blk 20, No. 931 E-Fremont St., San Mateo; owner and contractor, J. E. Bale, 804 Highland Ave., San Mateo.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
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Oct. 15, 1931—CAROLANDS TRACT, Hillsborough. William H Berg to A F Mattock et al.....Oct. 8, 1931

Oct. 15, 1931—LOT 12 BLK 43, Devonshire. Fred Carlisle to whom it may concern.....Oct. 14, 1931

Oct. 15, 1931—LOT 3 BLK 25, Oak Knoll Manor. C L Lathrop et al to Bert Norberg.....Oct. 15, 1931

Oct. 16, 1931—LOT 31 BLK 19, Crockery Tract. Maurice Tasch to Ford Smith.....Oct. 15, 1931

Oct. 16, 1931—LOT 8 BLK 2, Parkway Terrace; Lot 32 Blk 3, Parkway Terrace, San Mateo. James Arnott to James Arnott & Son.....Oct. 14, 1931

Oct. 16, 1931—LOT 67, Husing Sub. J E Cooksey to whom it may concern.....Oct. 15, 1931

Oct. 16, 1931—PART LOT 4 B, Blossom Heath Manor. Castle Bldg Co to Henry Horn.....Oct. 13, 1931

Oct. 16, 1931—LOT 79 and Part Lot 81, Wellesley Park. Wilbur H Dossie et al to whom it may concern.....Oct. 15, 1931

Oct. 16, 1931—LOTS 25 AND 26 BLK 3, Portola Addition. Peter Guranoff to whom it may concern.....October 14, 1931

Oct. 16, 1931—NE B ST. AND Third Ave., San Mateo. Bank of America to Young & Hortsmeier.....October 10, 1931

Oct. 17, 1931—LOTS 2 AND 3 BLK 10, Central Park. Eric Standquist to whom it may concern.....October 16, 1931

Oct. 10, 1931—THIRD AVE., San Mateo. Martin Stelling Jr, et al to G P W Jensen.....Oct. 6, 1931

Oct. 10, 1931—LOT 7 BLK 1, San Mateo. Pietro Perini to Angelo Zangrando & Co.....Sept. 28, 1931

Oct. 13, 1931—LOT 11 BLK 2, Crockery Estate Tract, San Mateo. Pasquale Scolia to Carl Carlson.....October 10, 1931

Oct. 13, 1931—LOT 4 BLK 4, Millbrae Highlands. John W Palderman to whom it may concern.....October 10, 1931

Oct. 14, 1931—LOT 11 BLK 21, East San Mateo. Lengfeld & Olund to Lengfeld & Olund.....Oct. 13, 1931

Oct. 14, 1931—PART LOT 4 BLK A, Wastin, Whitton & Montgomery Sub., San Mateo. Frank Ferrando to Joseph Meoni.....Oct. 14, 1931

Oct. 14, 1931—PART LOT 6 BLK 9, Menlo Oaks. George W Sullivan to Arne M Arnesen.....Oct. 3, 1931

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
----------	--------

Oct. 16, 1931—LOTS 9 AND 10 BLK 29, Western Addition, San Mateo. San Mateo Feed & Fuel Co, \$214.64; Wisnom Hardware Co, \$125.61 vs John Baylo et al.....Oct. 13, 1931

Oct. 17, 1931—LOT 9 BLK A, Fay's Redwood Gardens, Palo Alto Lumber Co vs San Glass.....\$196.20

Oct. 17, 1931—LOT 6 BLK A, Fay's Redwood Gardens, Palo Alto Lumber Co vs San Glass.....\$155

CREDIT ON LIEN

Oct. 17, 1931—LOCATION NOT Given. Bert Ghiotto to Wm R McKnight et al '6 months credit

Oct. 10, 1931—LOTS AND BLOCKS in Millbrae Highlands. H E Caley et al vs Schultz Constr Co et al.....\$320.12

Oct. 13, 1931—LOT 6 BLK B, Fay's Redwood Gardens. San Carlos Feed & Fuel Co vs William E Griffin.....\$296.10

Oct. 13, 1931—PART LOTS 12 AND 13, Map of Villa Lots at Fair Oaks G. W. Geddes, \$360; G. H. Rees, \$114 vs E. E. Richter et al.
 Oct. 13, 1931—NO. 225 ORIENTE ST. John Cassaretto, \$201.65; Pete Peracca, \$460.50 vs Alfred Meyer
 Oct. 13, 1931—Credit on Lien. San Mateo Feed & Fuel Co to Wm R. McKnight.....6 months Credit

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded Amount
 Oct. 13, 1931—LOTS AND BLOCKS in Millbrae Highlands. N J Goracke et al to whom it may concern
 Oct. 10, 1931 — LOCATION NOT Given. Joe Camilleri et al to Pauline Schmidt et al
 Oct. 16, 1931 — LOCATION NOT Given. Progress Lumber Co to Chester L. Anderson.....

BUILDING PERMITS

PALO ALTO

STORE BLDG., one-story Class C, \$10,000; No. 2011 El Camino Real, Palo Alto; owner, Campbell & Eppp, 347 High St., Palo Alto; contractor, George B. Moore, 531 Stanford St., Palo Alto.
 RESIDENCE, stucco, one-story and garage, \$5250; No. 369 Dana St., Palo Alto; owner and contractor, C. R. Janssen; plans by D. E. Jackie, 744 Call Bldg., San Francisco.
 RESIDENCE, stucco, 2-story and garage, \$15,500; No. 2085 Cowper St., Palo Alto; owner and contractor, Cleveland Smith, President Hotel, Palo Alto; architect, Treichel & Goodpastor, 1540 San Pablo Ave., Oakland.
 RESIDENCE and garage, stucco, \$3500 No. 1323 Hopkins Ave., Palo Alto; owner and contractor, John Linder
 RESIDENCE, stucco, 2-story and garage, \$11,400; No. 524 Center St., Palo Alto; owner, A. J. Howe, 261 Hamilton St., Palo Alto; architect, Elgie M. Clark, 310 University Ave., Palo Alto; contractor, E. J. Schmalings, 863 Melville Ave., Palo Alto.

BUILDING PERMITS

BURLINGAME

ALTERATIONS, \$2000; No. 221 Park Road, Burlingame; owner, Frank Wyckoff, 221 Park Road, Burlingame; contractor, E. S. Shaver, 2600 Easton Drive, Burlingame.

BUILDING PERMITS

REDWOOD CITY

DWELLING, frame, 4-rooms, bath and garage, \$1000; No. 1037 Arguello St., Redwood City; owner, J. Bodie.
 PLUMBING, \$4100; No. 303 Grand St., Redwood City; owner, Mt. Carmel Parish School, Premises; contractor, Dowd & Welch, 3558 16th St., San Francisco.

BUILDING PERMITS

SAN JOSE

RESIDENCE, frame, 2-story 1-family, \$12,000; Ayer Ave. near Losee St., San Jose; owner, C. O. Mace, 75 S-First St., San Jose; contractor, Whitehead Bros., 71 S-19th St.
 RESIDENCE, duplex, frame, 2-story,

\$7500; Park St. near Tilman St., San Jose; owner, G. K. Schrader, 1327 University Ave., San Jose; contractor, Geo. Kocher, 1030 Asbury Ave., San Jose.
 SUBWAY, \$160,000; The Alameda at S. P. R. R., San Jose; owner, Southern Pacific Co., 65 Market St., San Francisco; architect, City Engineers, contractor, Robert E. McKee, Los Angeles.
 RESIDENCE, \$3500; Newhall St. near Morse St., San Jose; owner and contractor, B. Quimet, 655 Riverside St., San Jose.
 RESIDENCE, frame, 6-room, \$5000; Riverside St. near Coe, San Jose; owner and contractor, A. Goldstein, Rt. 3, Box 430, Los Gatos.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
 Oct. 9, 1931—SE WAVERLY AND Coleridge Ave 150 on Waverly by 90 ft., Palo Alto, Ferdinand and Josephine S. Bendheim to whom it may concern.....Oct. 7, 1931
 Oct. 10, 1931—LOT 5, Tract No. 12, Los Amigos. E. A. Lennon to whom it may concern.....Oct. 8, 1931
 Oct. 10, 1931—SW COWPER ST. 100 NE Coleridge Ave, Pl. Blk 24, Seale Addn., Palo Alto, Emelmer S. Welhaven to whom it may concern.....Oct. 9, 1931
 Oct. 13, 1931 — ELEMENTARY School Building Site, Los Gatos. Los Gatos Elementary School District to The Minton Co.....October 9, 1931
 Oct. 13, 1931—LOT 9 BLK C, Map of Lion Addn to San Martin. J. H. Gallant to whom it may concern.....October 10, 1931

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
 Oct. 13, 1931—LOT 9 BLK 62, Seale Addn No. 2, Palo Alto, D & S Lumber Co vs C B Van Epps.....\$821.42

BUILDING CONTRACTS

SONOMA CAUNTY

RESIDENCE.
 HEADSBERG. All work for one-story residence.
 Owner—Frank Buffi, Headsburg.
 Architect—W. Herbert, Santa Rosa.
 Contractor—Foreman Launder.
 Filed Oct. 14, '31. Dated Oct. 8, '31.
 Frame and rafters up\$1178.50
 Plaster completed 1178.50
 Work completed 1178.50
 Usual 35 days 1178.50
 TOTAL COST \$4714.00
 Bond, \$4714. Sureties, L. D. Gilbert and L. J. Richardson. Limit, 90 days.
 Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SONOMA COUNTY

Recorded Accepted
 Oct. 16, 1931—NO. 1016 NASON ST. bet. Wright and King Sts., Santa Rosa. Laurence L. Dibble to whom it may concern.....Oct. 16, 1931

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted
 Oct. 9, 1931—KENTFIELD. Maria Union Junior College District to Petterson Bros.Oct. 3, 1931

Oct. 9, 1931—MILL VALLEY. Chas. F. Hoover to Melvine KlyceSept. 30, 1931
 Oct. 13, 1931—PLAN VILLA LOTS, near San Rafael. F. van Laer to whom it may concern.....Sept. 29, 1931
 Oct. 14, 1931—FAIRFAX. Frances, Huffman & Howard to J. E. ReynoldsOct. 10, 1931
 Oct. 14, 1931—SAN RAFAEL. John M. Campton to whom it may concern.....Oct. 13, 1931
 Oct. 14, 1931—SAN RAFAEL. Jacob Albert to Coast Wholesale Stone & Marble Co. Ltd.Oct. 5, 1931

LIENS FILED

MARIN COUNTY

Recorded Amount
 Oct. 8, 1931 — LARKSPUR. Randolph C. Doherty vs H. W. Hoppe.....\$200.75
 Oct. 8, 1931—BALTIMORE PARK, Larkspur. E. A. Eatherton vs H. W. Hoppe\$415.94

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded Accepted
 Oct. 15, 1931—LOT 8 BLK 105-A, West Side Addition No. 2, Pittsburg. G. E. Seeno to whom it may concern.....Oct. 10, 1931
 Oct. 14, 1931—LOTS 6 AND 7 BLK 123, Amended City of Richmond. James A. Petersen to whom it may concern.....Oct. 13, 1931
 Oct. 14, 1931—LOT 7 BLK 15, Richmond Traffic Center. C. E. McQuady to whom it may concern.....
 Oct. 14, 1931—LOT 9 BLK 4, Amended Map of Maltby's Second Addition to Concord. Hugo Carlson to whom it may concern.....October 15, 1931
 Oct. 17, 1931—MALLARD (repair docks) Sacramento-Northern Railway to A. W. Kitchen Co.....October 10, 1931

LIENS FILED

CONTRA COSTA COUNTY

Recorded Amount
 Oct. 16, 1931—LOT 79 MAP NO. 3, a portion of Parkside Addition and Racetrack Subdivision. John Hansen vs Louis H. Piedmont.....\$5000
 Oct. 17, 1931—LOT 4 BLK 5, Amendment No. 2 of Block A and Am. Map of Block B, Town of Rodeo. H. Faria vs Manuel Alameda.....\$304
 Oct. 17, 1931—LOT 4 BLK 5, Am. Map of Block A and Am. Map of Blk B, Town of Rodeo. John Ferreira vs Manuel Alameda\$368.52

BUILDING PERMITS

STOCKTON

REMODEL dwelling, \$1750; No. 47 West Elm St., Stockton; owner, Mrs. Norton L. Rose, Premises.
 DWELLING, brick veneer, 2-story and garage, \$5000; No. 1027 N. Orange St., Stockton; owner, J. B. Wolf, 709 N. Stockton St., Stockton.
 PACKING shed, \$3300; No. 126 N. Wilson Way, Stockton; owner, San Joaquin Marketing Assn.; contractor, Carl Nelson, 1421 E-Channel St., Stockton.
 ADDITION to dwelling, \$1000; No. 205 Fulton St., Stockton; owner, M. E. Phillips, 205 Fulton St., Stockton.
 HOTEL, 3-story, \$21,133; No. 17 East Washington St., Stockton; owner, Took Chien Hong; contractor,

George J. Maurer, 50 York Drive, Oakland.

DWELLING, brick, two-story and double garage, \$7000; No. 345 W-Blm St., Stockton; owner, Jack McNabb, 725 N-Center St., Stockton; contractor, F. P. Dobson, 1150 W-Harding St., Stockton.

REMODELING, store front in Clark Hotel building, \$2000; No. 162 S-Sutter St., Stockton; owner, W. R. Clark, Fremont; contractor, Lewis & Green, Bank of America Bldg., Stockton.

DWELLING, brick veneer, 6-room and garage, \$3850; No. 611 N-Regent St., Stockton; owner, W. R. Clark, Fremont; contractor, Robert Wagner, Bank of America Bldg., Stockton.

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
Oct. 7, 1931—LOT 11 BLK 9, Monterey. R E Walsh to E L Kenville.....October 6, 1931
Oct. 10, 1931—W COUNTY ROAD, leading from Salinas to Monterey. Ef. Peter and Fern Winifred Iverson to F C Carlson.....Oct. 9, 1931
Oct. 14, 1931—EL SAUSAL DIST. School site. El Sausal School District to M J Murphy Inc.....Sept. 23, 1931
Oct. 14, 1931—LOT 62, Amended Map of Pebble Beach. Frederick A Ingalls to F C Stolte.....Oct. 10, 1931

LIENS FILED

MONTEREY COUNTY

Recorded Amount
Oct. 16, 1931—LOTS 27 AND 29 BLK 10, Map of Oak Grove. Tynan Lumber Co vs Eileen Agnes Howard; William Peterson and George Turner.....\$785.79

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
Oct. 14, 1931—W 14 FT. LOT 11, E 84 ft. Lot 10 Blk 90, City Park Terrace, Stockton. J M Helterbrand to whom it may concern.....October 13, 1931
Oct. 19, 1931—LOT 21 BLK 4, Lakeview. T E Williamson to whom it may concern.....Oct. 16, 1931
Oct. 17, 1931—LOT 1 BLK 10, Pacific Manor, Stockton. N M Parsons to L A Randolph and Wirt M West.....October 13, 1931

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
Oct. 19, 1931—SW ¼ OF SECTION 14, T 1 S. R 6 E. W R Garriott vs Clarence A and Mildred E Movotny and James Klow.....\$19.76

RELEASE OF LIENS

SONOMA COUNTY

Recorded Amount
Oct. 14, 1931—ROAD BET FORESTVILLE and Sebastopol, 8.73 acres. Tammy Smith to Leonard B Ross.....\$50
Oct. 15, 1931—PART LOT 4 of Former Archer Tract near Forestville. E W White Lumber Co to Baldwin D Ward and Elva S Ward.....\$173.54

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
Oct. 17, 1931—LOT 14 BLK 10, Clara I. Dexter's Subdivision of a part of Salinas City. William T and Aulrey Riggs to J Frank Laugh-ton.....October 16, 1931
Oct. 19, 1931—LOT 19 BLK 3, Monterey Heights. Albert Gatti to Albert Gatti.....Oct. 15, 1931
Oct. 19, 1931—LOT 21 C. Tynan Sub-division, Monterey. Clarence and Annie Tynan to S Trandhjem.....October 12, 1931

BUILDING PERMITS

SACRAMENTO

SERVICE station, \$2000; No. 1741 Stockton Blvd., Sacramento; owner, Cutter Mill & Lumber Co.; contractor, Kaiser Bros.
RESIDENCE, 7-room & garage, \$5000; No. 301 36th St., Sacramento; owner, Ben Leonard, 815 J St., Sacramento; contractor, Fred Stuckert.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Oct. 16, 1931—LOT 244 College St., Sacramento. Harold H Jeffrey to whom it may concern.....Oct. 15, 1931
Oct. 14, 1931—BEN ALI SCHOOL, Sacramento. North Sacramento School District to whom it may concern (2-room school building).
Oct. 15, 1931—LOT 46 S ½ LOT 47, Stuber Knoll. Alfred A Gropp to whom it may concern.....Oct. 6, 1931
Oct. 16, 1931—LOT 84, McKinley Blvd Tract No. 2, Sacramento. Chas H Thompson to whom it may concern.....Oct. 14, 1931

BUILDING PERMITS

FRESNO

DWELLING, \$1500; No. 3827 Iowa Ave., Fresno; owner and contractor, Jas. G. Huebner, 4987 Iowa St., Fresno.
ALTERATIONS and additions, \$1200; No. 3464 McKenzie Ave., Fresno; owner, Paul C. Manocogian, Fremont; contractor, J. Kajigian.
DWELLING and garage, \$250; No. 3404 Madison Ave., Fresno; owner and contractor, W. E. Proctor, 1297 N. Fresno St., Fresno.

COMPLETION NOTICES

FRESNO COUNTY

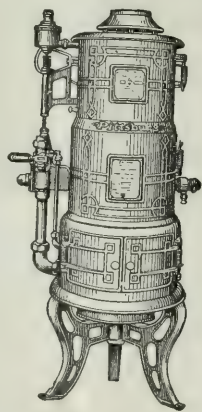
Recorded Accepted
Oct. 19, 1931—LOT 6 BLK 3, Highland Park, Fresno. A F Lambert and Alma E Weiheimer to whom it may concern.....Oct. 16, 1931
Oct. 19, 1931—LOT 8 Part Lots 7 & 9, Terrace Gardens, Fresno. Taylor-Wheeler, Inc to whom it may concern.....Oct. 17, 1931
Oct. 15, 1931—LOTS 15 AND 16 BLK 48, E. Fresno Addition. C H Eaton to T J Watson.....Oct. 14, 1931

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Oct. 13, 1931—LOTS 10, 11 AND 12 Blk 1, Kenmore Park. W R Jensen to Jack W. Bandy.....Oct. 9, 1931

September wholesale prices of six standard plumbing fixtures for a six-room house, ascertained by the Bureau of the Census from reports of 12 representative manufacturers and wholesalers, averaged \$96.32 as compared with \$97.77 in August, \$96.88 in September, 1930, and \$98.97 in September, 1929.



A "Pittsburg" Automatic Water Heater installed in the Home indicates high quality throughout.

Recommended and specified by all the leading architects, plumbers and builders.

Consider the high merit of the Pittsburg coupled with "Pittsburg Perfect Service."

"Hot water quick as a wink."

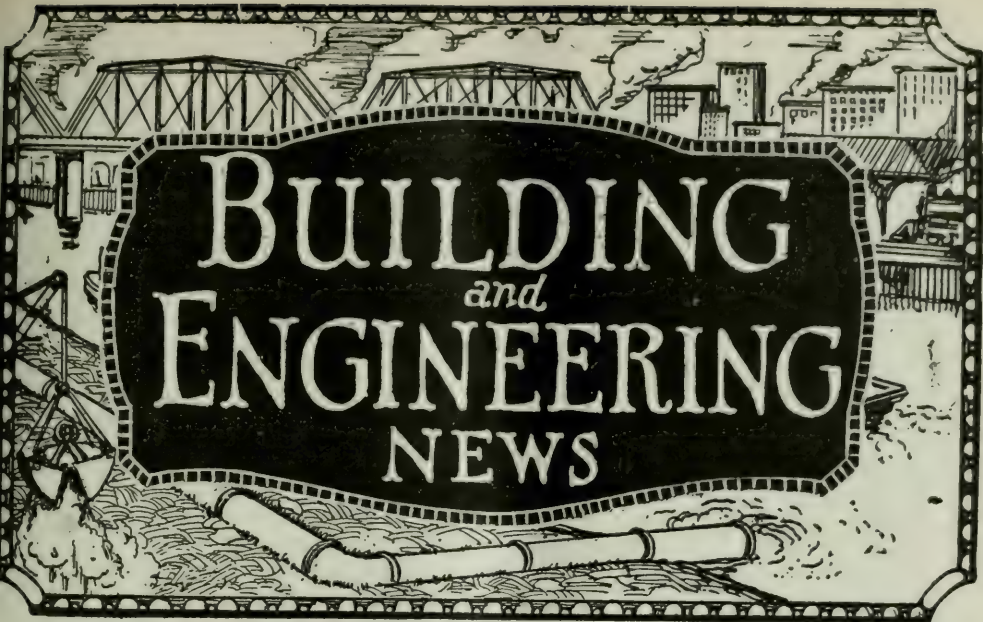
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478 Sutter St., San Francisco

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Publication Office
547 Mission Street

SAN FRANCISCO, CALIF., OCTOBER 31, 1931

Published Every Saturday
Thirty-fifth Year, No. 44

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Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

DOAK DECLARES WAGE CUTS UNSOUND

Secretary of Labor William N. Doak has warned the Associated Industries of Massachusetts against "cut-throat competition and promiscuous wage slashes" which he characterized as both "unsound and unscientific."

The secretary said he believed it hopeless for complete relief to be brought about until business "stops trying to get ahead by selling below production costs."

"Capital labor and management," he said, "are entitled to proper returns for their participation in any productive enterprise. Any system which denies such proper returns to any of the three groups is unsound."

Doak told the industrialists he did not believe in government interference into the affairs of the business world during troublesome periods.

"In the matter of relief I dare say this is the best time to stick to old methods. I believe that the time-tried plans for relief in times of distress are more effective in easing the condition of the needy and in making more certain their return to the better circumstances than are other plans which have nothing in view but immediate use of government funds to solve the poverty problem."

Caterpillar Tractor Co., Peoria, Ill., has created a specialty sales division, the primary purpose of which is to market the company's gasoline and Diesel engines to other manufacturers of construction equipment. It will also direct the company's present activities in promoting sales to railways and public utilities. This division is headed by Walter H. Gardner, formerly advertising manager, who is now succeeded by G. M. Walker as advertising manager.

GRADE MARKING IS LUMBER TOPIC

Grade marking, a disputed subject among lumbermen for years, will be the chief topic of discussion at the lumbermen's convention to be held in Oakland, November 19, 20 and 21, according to J. B. McKeon, secretary-manager of the Lumbermen's Institute and chairman of the convention committee.

It concerns, he says, the stamping with the grade of every piece of lumber manufactured.

"The coming convention will be the most important session the lumbermen have had for the last 25 years, and the entire West Coast industry will be represented," asserts McKeon.

Among the speakers will be A. C. Dixon of Eugene Ore., representing the rail and pine mills of Oregon and Washington and Col. W. B. Greeley of the West Coast Lumbermen's Association representing some 500 miles of the Douglas fir industry.

N. Y. CONTRACTOR RAISES WAGE \$1 DAY

A wage increase of one dollar a day over the minimum union scale was announced last Monday by Charles G. Robin, president of the Robin Lighting Fixture Company, a New York City firm.

In announcing the increase Robin said that he felt that general wage cutting had a deleterious effect on the general economic situation, and that the way out of the depression lies in promoting rather than curtailing consumer purchasing power.

PREVAILING WAGE LAW TO BE TESTED ON FENCE CONTRACT

Suit will be filed at once by the city of Pasadena to test the prevailing wage law of California, which requires that not less than the prevailing rate of wages in the locality where the work is done shall be paid on public work undertaken by the state, counties, municipalities or other political subdivisions, or public contracting authorities.

Ground for the action was laid by award of a contract for a fence around a city reservoir without complying with the prevailing wage law, which requires the prevailing rate of wages to be printed in the advertisement for bids and to be made a part of the contract. The contract was awarded to the Crown Fence Company. City Manager J. W. Charville refused to sign the contract on the ground that it did not comply with the law.

Acting under instructions, City Attorney Harold P. Hulls is now preparing a petition in mandamus to be filed in the state supreme court to compel the city manager to sign the contract. It will be contended by the city that the law is unconstitutional.

LAKE COUNTY BOARD ADOPTS WAGE SCALE

The Lake County supervisors has adopted the following per diem scale of wages in connection with construction projects undertaken by that body:

Foreman	\$5.50
Shovelman	7.00
Jack-hammer	4.00
Powder Man	4.00
Tractor Driver	5.00
Grader Man	4.50
Truck Driver	4.50
Bridge Carpenter	6.00
Bridge Helper	4.00
Common Labor	4.00

TO ASK FUNDS FOR ALL-AMERICAN CANAL

An emergency congressional appropriation for preliminary work on the All-American Canal, is to be asked by the Department of the Interior. Revised estimates of the cost have reduced the original estimated expenditure of \$35,500,000 to \$24,000,000. Tentative plans for the canal have been completed and the preliminary work will be started as soon as the emergency appropriation shall have been approved.

The All-American Canal, which will be built entirely in the United States, will carry water to the Imperial Valley and Coachella Valley, in Southern California. Two points for the intake are under consideration, viz: the Laguna Dam, 10 miles northeast of Yuma, and a new diversion dam to be built 5 miles north of Laguna for additional head. The initial diversion of water planned is 15,000 cu. ft. per second.

The proposed canal will be 200 ft. wide at the water surface, 134 ft. at the bottom, and 22 ft. deep. The canal proper will be 75 miles in length, the Coachella Valley branch 115 miles. The route of the canal lies for 10 miles through shifting sands where the cut will be from 100 to 120 ft. Plans for handling the sand, after construction, calls for growing of vegetation and spraying with crude oil. It is planned to line 4 miles of the canal and 23 miles of the Coachella branch with concrete. Ten siphons will be required on the All-American Canal and 79 on the Coachella Canal.

The estimated excavation is 60,000,000 to 65,000,000 cu. yds., of which about 4 per cent is rock.

DISPUTES LOOM IN BUILDING TRADES

Nationwide obstruction of building operations by striking unions is foreseen as a possible eventuality from the strained relationship now existing between two factors of the American Federation of Labor, says Engineering News-Record. In its annual convention meeting at Vancouver, B. C., the matter of jurisdictional rights of the unions involved was brought to a head.

Bricklayers, carpenters and electricians, although affiliated with the A. F. of L., are not members of its building trades department. Iron workers, elevator constructors and other members of the building trades department complain that the carpenters and some other craftsmen are taking parts of the work not belonging to them. Installation of wooden frames and some of the many sore spots in the situation, both carpenters and metal workers claiming the work.

The crafts in the building trades department are said to be contemplating strikes on jobs where they think their jurisdiction is violated.

OFFICIAL WAGE SCALE FOR NAPA COUNTY WINS APPROVAL

The Napa City Council and the Napa County Board of Supervisors have adopted the same prevailing wage scale to apply on public works construction undertaken by these two bodies.

While labor leaders in the Napa section express themselves as being entirely satisfied with the scale, it is generally admitted that the scale is "considerably lower than in any other county in this part of California."

The scale was adopted by the county supervisors following its presentation by S. H. Gracy, representing the Napa County Building Trades Council, S. J. Cinnamond, a city councilman, of Napa, and a member of the Napa County Builders' Exchange, urged the supervisors to adopt the scale, declaring that all local builders were in harmony with the wages specified.

The scale adopted by the Napa city council and the Napa county supervisors is published herewith:

Asbestos Workers	\$ 8.00
Bricklayers	12.00
Bricklayers hod carriers	8.00
Carpenters	8.50
Carpet, linoleum workers	9.00
Cement finishers	9.00
Electrical workers	8.00
Elevator constructors	10.40
Elevator constructor helpers	7.25
Engineers, hoisting, portable, quarries, tractors over 50 hp.	10.00
Engineers, rollers, mixers, asphalt plants, stone derricks	10.00
Engineers, bridge and structural	11.00
Engineers, pile drivers, derrick barges, cableways, dragline	10.00
Engineers, firemen & apprentices	7.00
Glass workers	8.00
Granite Setters	12.00

Granite cutters	9.50
Hardwood floormen	8.00
Housemovers	8.00
Housemith, architectural iron	9.00
Housemith, reinforced concrete	9.00
Laborers, bldg. and common	5.00
Laborers, cement	5.00
Iron workers, bridge and struc.	11.00
Lathers	10.00
Marble workers	10.00
Marble workers' helpers	6.00
Millmen, planing mill department	8.00
Millmen, sash and door	8.00
Millwrights	9.00
Model casters	9.00
Model makers	10.00
Model sculptors	14.00
Mosaic and terrazo workers	9.00
Mosaic & terrazo workers' helpers	6.00
Painters	8.00
Pile drivers, wharf builders	9.00
Plasterers	12.00
Plasterers' hod carriers	9.00
Roofers	8.00
Plumbers	8.00
Sheet metal workers	9.00
Shovel operators	10.00
Shovel operators, underground	10.00
Shovel cranesmen	8.50
Shovel cranesmen, underground	9.50
Shovel firemen and watchmen	7.50
Shovel oilers	6.00
Sprinkler fitters	6.00
Steam fitters	11.00
Stone setters	12.00
Stone cutters	9.00
Stone derrickmen	9.00
Tile Setters	10.00
Tile setters' Helpers	6.00

Legal holidays, including Sundays and Saturdays where crafts work a five-day week and other overtime to be paid at the rate of double time.

TO SECURE FACTS ON PRISON LABOR

An effort to ascertain the allocation of prison labor in various industrial enterprises was made recently when conference of national trade associations adopted a resolution requesting that a census of institutional manufacturing, including all allocation of prison labor, be carried on by the Bureau of the Census in conjunction with its biennial census of manufacturers in 1931 and subsequent censuses. The conference met in Washington last month, having been called by the National Committee on Prison and Prison Labor, George Gordon Battle, a member of the committee was chairman of the conference.

Representatives of the following associations were present at the conference: American Federation of Labor; Associated General Contractors of America; Associated Industries of New York; Associated Government Service, Inc.; General Federation of Women's Clubs; National Association of Manufacturers; National Association of Purchasing Agents; National Association of State Chambers of Commerce; National Committee on Prisons and Prison Labor; National Standards Council; and the United States Chamber of Commerce.

As first worded, the resolution requested only that a census of institutional manufacturing be made. However, H. J. Kirk, representing the Associated General Contractors, pointed out to the meeting that great numbers of prisoners are used in construction work and that to obtain a complete picture of the prison labor situation, this group must be included. The resolution was revised to include the request for an allocation of prison labor.

The resolution was forwarded to Secretary of Commerce Lamont and it is expected that his decision on the matter will be made within a short time. Upon receiving a favorable reply, the conference contemplates framing a questionnaire to be sent out by the census bureau to state penal institutions.

DAILY CITY ADOPTS OFFICIAL WAGE SCALE

The city council of Daly City, San Mateo County, has adopted the following schedule of wages to be paid on public works construction:

Electrical worker, \$10.00; Plumbers, \$10.00; Sheet metal workers, \$10.00; Roofers, \$9.00; Painters, \$9.00; Lathers, \$10.00; Brick layers, \$11.00; Brick layer helpers, \$9.00; Engineer hoisting portable quarries tractors, over 50 horsepower, \$9.00; Engineers asphalt plants rollers, mixers, stone derricks, \$10.00; Engineers bridges and structural pildrivers, derricks, barges, cableways, \$11.00; Firemen and apprentices, \$7.00; Pile drivers and wharf builders, \$9.00; Plasterer, \$12.00; Plasterers' hod carriers, \$10.00. Any classification omitted here, not less than \$5.00.

Common laborer, \$5.00; Skilled laborer, \$6.00; Tractor driver, \$8.00; Carpenter, \$9.00; Truck driver, \$6.00 to \$8.50; Power shovel or crane operator, \$10.00; Oilier, \$6.00; Pitman, \$5.00; Grader operator, \$6.00; Roller operator, \$9.00 to \$10; Driller, \$6.00; Subgrade finisher operator, \$6.00; Teamster, \$6.00; Asphalt plant engineer, \$10.00; Asphalt plant dryerman, \$7.00; Asphalt mechanical finisher operator, \$8.00; Concrete pavement mixer operator, \$10.00; Concrete pavement finisher, \$7.00; Concrete pavement mechanical finisher operator, \$8.00; Trenching machine operator, \$9.00; Mechanical trouble-shooter, \$8.00.

EARTHQUAKE INSURANCE RATES TO BE CUT IN S. F. DISTRICT

Important and drastic reductions of from 14 to 50 per cent in the rates for earthquake insurance in the San Francisco district have been approved by the executive and earthquake committees of the Board of Fire Underwriters of the Pacific, as well as important changes and recommendations in the rules and regulations governing the earthquake insurance field.

The necessary agreement covering this revolutionary step, which will mean reductions in the total of this coverage in an innumerable sum to the insuring public, is now being circulated among the companies, the signatures of 75 per cent being necessary to make the schedule effective.

The approval and recommendation of the board, however, is, as a rule, tantamount to acceptance.

The proposed plan of reductions and changes is the result of several months of intensive study of the situation by the Insurance Brokers' Exchange of San Francisco and the San Francisco Real Estate Board, the joint findings of which were submitted by M. F. O'Brien and Norman E. McFadden.

The new schedule also is the result of continued effort for reductions extending back even to the time of the fire of 1906 and receiving new impetus following the Santa Barbara earthquake.

The proposed reductions are as follows:

De.	De.
New	De
De	Old
De	De

Building	Rate	%	Rate	%
Class 1: Dwellings	\$.15	5	\$.20	5
Class 2: "A" Bldgs. ....	.25	5	.30	5
Class 3: "B" Bldgs. ....	.30	5	.40	5
Class 4: Frame Mercantile Bldgs. ....	.35	5	.50	10
Class 5: Brick and Stone Bldgs. not in Class 2 .....	.35	5	.40	10
Class 6: Brick and Stone Bldgs. not in Class 3 .....	.40	5	.50	10
Class 7: "C" Bldgs. ....	.75	10	1.50	15
Class 8: All others, bridges, dams, reservoirs, etc.	2.50	15	3.50	15

Prior to the submission of these recommendations it developed that the later, if ways and means could be perfected by which their property owner clients could carry out the conditions of their mortgages would favor the Insurance Brokers' Exchange taking jurisdiction over earthquake insurance, and would urge all their members to place their entire earthquake and fire insurance with Board of Fire Underwriters companies only.

The proposed plan is that whenever fire and earthquake insurance are desired on an identical risk, a policy be written covering the fire hazard with not less than a 70 per cent reduced rate average clause—applicable to dwellings also—and cover the earthquake hazard by indorsement, which will not name any amount or reduced rate average clause, but the policy would contain a clause limiting the liability of the insuring company to the amount of fire hazard.

EFFICIENCY OF HIGHWAY WORK BY CONTRACT CITED

Highway contracting involves considerable hazard and is subject to the keenest competition. Prices are of equal interest to the contractor and the engineer. No business can long continue unless it is conducted at a profit stated A. R. Losh, former state highway engineer of Oklahoma, in an address before the American Road Builders' Association.

When the price curve for highway work is compared with those for wages, building materials, and general commodities, for the years 1922 and 1930, inclusive, taking the prices of 1922 as the base, or 100 per cent, we find that wages, construction materials, wholesale commodities and the price of food have in general increased. On this same basis highway construction costs have decreased and in a substantial amount. Skilled labor in the building trades received a uniform raise in wages from 1922 to 1927, the increase amounting to 67 per cent, or about 12 1-2 per cent per year. The next two years the increase was slight, but by the end of 1929 wages were 169 per cent of the 1922 level. On highway construction work in Oklahoma wages increased 25 per cent from 1922 to 1926, 54 per cent by the end of 1927, and 70 per cent by the end of 1929. The high point for building materials was in 1925, reaching 107 per cent, but dropping to 94 per cent in 1930.

On the other hand, highway construction prices have taken a decidedly

sharp decline. The Oklahoma State Highway Department, we find from 1922 to 1925 there was a drop of 5 per cent. There was a slight rise for the year 1927, but since that time a gradual decline reaching 78 per cent of the 1922 level for the year 1930. Thus in nine years highway prices have fallen 22 per cent, but wages have advanced 70 per cent and food 7 per cent. Labor has become more efficient and with mechanical means has doubled its output. Contractors have speeded up their work, increased their volume of business, thus permitting a smaller overhead and profit per unit of work.

Materials, with only a small decrease in price, are further cheapened by the development of more sources of supply, giving better distribution and less transportation costs, an actual reduction in hauling costs, and finally competition which has in many instances proven ruinous to the contractor. In the highway industry there has already been a decline in wages and a marked decline in contract prices in recent lettings. Hand labor cannot replace mechanical means to any great extent. As a relief measure for unemployment the highway industry can absorb surplus labor by doing grade and drainage work on a large scale by special projects in localities where there is a pressing need for work, by minor improvements under maintenance operations, and by materially increasing the construction program.

board in giving consideration to the question of creating a central mortgage bank to meet the situation which confronts the country and that we give consideration of our hearts cooperation in making of such study and in the attempt to solve this problem of great importance."

The Association itself is studying the possibility of establishing a Central Mortgage Bank through a committee of five men appointed after the Baltimore Convention. A plan which describes how the new system could be handled throughout the country has been submitted to President Hoover's conference on Home Building and Home Owning.

IMPARTIAL WAGE BOARD COMMENDED BY LABOR LEADERS

Five local trade unions have made known in a public statement their position relative to the new "impartial wage schedule" resulting from the hearings and decision of a board convened under the auspices of the Industrial Association and affiliated organizations. The statement is signed by Joseph Mazza, secretary Bricklayers' Union No. 7; W. J. Burchell, secretary District Council of Painters; William Butler, secretary Plumbers' Union No. 442; Andrew Taylor, president Plasterers' Union No. 66; D. H. Ryan, secretary District Council of Carpenters. It is as follows:

"We, the undersigned representatives of basic crafts in the building trades, wish to express our appreciation of the fair and impartial manner in which the wage board conducted its hearings.

"The decision of the board to make no changes in the wage scales at the present time and to recommend shorter hours to relieve unemployment will, in our opinion, meet with general approval.

"In view of the fact that labor's participation in the formation of the board was the cause of sharp criticism on the part of some labor officials, we believe it is timely to state that five basic crafts, representing approximately 85 per cent of the skilled building trades mechanics, were authorized by their labor organizations to assist in the formation of the board, to submit their case to it and to abide by its decision.

"We believe that the board has performed a distinct public service and that our participation will be approved by practically every building trades mechanic concerned.

"In conclusion, may we say that it is our desire to co-operate with all groups in the building industry in carrying out the decision of the board to the end that the wage scales and the working conditions will be made effective."

NEW INDUSTRIES REPORTED FOR S. F.

New industries established in San Francisco during September totaled 14 as compared to 9 in August and 10 in September a year ago, according to the Chamber of Commerce. Industrial expansions totaled 5 compared to 4 in August and 7 in September a year ago. New industries for the first 9 months totaled 86 compared to 90 a year ago and the industrial expansions totaled 44 compared to 46 for the same period last year.

CENTRAL MORTGAGE BANK TO REDISCOUNT REAL ESTATE MORTGAGES WINS APPROVAL

Indicating the growing interest among real estate men in the plan for a Central Mortgage Bank to rediscount real estate mortgages which was brought before the National Association of Real Estate Boards at its May Convention, are the resolutions passed last week by three State Association Convention two of which commend the Association for bringing this plan to public attention, and the other which definitely endorses the mortgage bank idea.

The Central Mortgage Bank proposal would create a system similar to the Federal Reserve, which would permit the rediscounting of soundly financed mortgages on urban homes through regional or branch banks, thus provide a way to convert mortgage paper into cash which is not now available.

Resolutions were passed by the Massachusetts Association of Real Estate Boards, the New York State Association of Real Estate Boards and the Michigan Real Estate Association.

The Michigan resolution, which was put through on October 2 at the sessions held in Grand Rapids, calls the problem of financial reconstruction of great public concern to all home owners and citizens of the State, and urges study of this subject by members of Congress.

The Michigan resolution, which definitely endorses "the principle of creating a Central Mortgage Bank or some other agency for the rediscounting of mortgages on homes on a safe and sound basis" also states in part: "Real estate credits in Michigan and the country are to a large extent frozen, which condition results in the loss

to many families of their homes thru inability to refinance; causes stagnation and inactivity in real estate and construction; contributes to unemployment and distress; and to the grave difficulties which many financial and savings institutions are experiencing."

"It seems to us wrong and absurd per se; and that credits and securities based on real property which is the foundation of our wealth, and which in the past have proven to be the safest of all securities should be so lacking in liquidity, as to create a problem of major importance; and

"We believe this condition to be due to a gap in the financial structure of our economic organization, which requires Federal legislation for its correction."

The Massachusetts resolution adopted on September 29th at Salem states:

"Resolved: That the Massachusetts Association of Real Estate Boards commends the study being made by the National Association of Real Estate Boards of the proposal for a central mortgage bank of rediscount for first mortgages on homes."

"This would enable loaning institutions to rediscount good mortgages and thus make available much needed funds for home owners particularly in times of distress."

Calling attention to the fact that in some sections of New York State there is abundance of money available for first mortgages, and a dearth of capital in other sections, the New York State Association of Real Estate Boards on September 25 officially declared at Lake George, New York:

"That we commend the National Association of Real Estate

THE OBSERVER

What He Hears and Sees on His Rounds

The Ontario Association of Professional Engineers will apply to the Ontario legislature for legislation to place the engineering profession on the same basis in Ontario as it is in the other provinces in the dominion. All the other provinces have registration of engineers, placing the requirements for qualification in the hands of the profession. When all the provinces have the same legislation, it is proposed to form a federal council of examiners, engineers who passed the examination to be permitted to practice anywhere in Canada, without having to go before the provincial boards.

The index number of wholesale prices as computed by the Bureau of Labor Statistics of the U. S. Department of Labor shows a decrease for September. This index number, which includes 550 commodities or price series weighted according to the importance of each article and based on the average prices for 1926 at 100.0, declined from 70.2 in August to 69.1 in September, a decrease of a little more than 1½ per cent. When compared with September, 1930, with an index number of 84.2, a decrease of 18 per cent has been recorded. Lumber, brick, paint materials, and other building materials continued their downward movement in September. No change was shown for cement and structural steel. The group as a whole showed a decrease of less than 1 per cent.

In response to protests about low wages paid on state highway construction jobs, the U. S. Bureau of Public Roads has announced its intention of permitting minimum wage rates to be written into contracts. States will be given the option of incorporating a similar provision into their federal aid contracts.

Only wage rates of common labor will be covered, but in road work, this will embrace a large proportion of employees. Recognition must be given to fair differentials between various communities and regions within a state. According to Thomas H. McDonald, chief of the Bureau, the policy will be followed only to safeguard workers during the present emergency.

It was first thought that state adoption of a policy against wage cuts for construction workers would be enough to halt the wage-cutting practices but this has been found insufficient. Future specifications will remove the uncertainties regarding public building work which call for local wage rates but do not specify what these rates shall be.

Lumber sales will boom when United States and Canadian logging industries cast aside their yoke of lack of confidence President L. H. Mills, Portland, predicted to the Pacific Logging Congress at Spokane last Thursday.

As soon as he had opened the twenty-second annual convention officially, an open discussion revealed that northwestern logging operators have been preparing for an expected upward turn in the lumber business by economizing to cut the cost of logging to new low levels.

Executives of many Western United States and Canadian lumber companies then tackled their individual problems of methods and cost cutting.

Every day 200 unemployed men are passing through the state border inspection stations—bound for cities in California in quest of work.

This report was made by A. C. Fleury, chief of the quarantine office of the state department of agriculture, to Atholl McBean, San Francisco, representative of President Hoover's unemployment relief organization.

In addition to the 200 jobless men who come by automobile and afoot are thousands of others arriving on railroad trains and brake beams, said Fleury.

The general exodus to California in the winter is perennial, as the jobless seek milder climates.

Reversing a decision of 20 years standing the supreme court of the state of Washington has ruled that plumbers, steam-fitters and other artisans doing work in which the public welfare is involved must prove their ability to do the work in accordance with the best practice if required to do so by the municipal ordinance. The decision was the result of action by the city of Tacoma against several plumbers who were operating without a license. Referring to the previous stand taken by the supreme court the opinion handed down stated that similar regulatory measures have been sustained by court rulings. "The old case was decided when legislation of this character was in its infancy," it was contended. "Police powers of municipalities not only extend to enactments designed to protect and promote public peace, health, morals and safety, but also those intended to promote the general welfare and prosperity." A plumber, the court held, is no different from a barber or architect, who must comply with regulatory ordinances.

Orders for electrical equipment totaling 6 million marks (\$1,500,000) were placed by Soviet organizations with two large German electrical companies during August. Rails for mines were purchased for over 5 million marks (\$1,250,000) and pipes and lead for about 5½ million. Other large orders placed during the month included a 2½ million mark order to a Berlin machine-tool company, a large quantity of copper, zinc, steel and other metals to the value of 2 million marks, and 2 million marks' worth of fertilizer.

According to the California State Chamber of Commerce, employment in California manufacturing industries during September was 10.4 per cent less than during August, which is more than the usual seasonal decline, due primarily to the decreased activity in the canning industry. The adjusted index shows a drop of 7.4 per cent, establishing a new low during the present depression. Highway construction and maintenance work and harvesting of crops provided some additional employment. A considerable volume of unemployment, however, prevailed throughout the state. Building activity and manufacturing operations remained below normal for this season of the year.

Public bonds sold in the first eight months of this year totaled 1,010 millions for long term issues, against 938 millions in 1930 and 827 in 1929, En-

gineering News-Record reports. Long and short term issues together totaled 1,513 millions, compared with 1,559 in 1930, and as follows for the five years 1929-35: 1,477; 1,452; 1,421,386; 1,477.

According to the Business Week unemployed members of the Bricklayers, Masons, and Plasterers' Union throughout the United States at Canada have just received a contribution of \$500,000 from the union in the form of exemption from payment of dues for November, December, and January, while they continue to be eligible to participate in benefits aggregating \$1,500,000.

A 300-page book entitled "Real Estate Appraisals," edited by Henry A. Babcock of Chicago, and written by eleven authorities, has been published by the Appraisal Division of the National Association of Real Estate Board, and sent to Division members. The book covers the various phases of real estate appraisal and describes many general and some particular problems contains standard work sheets for use in appraising various types of properties. It also contains a bibliography of appraisal reproduces the standards of appraisal practice as approved by the Division and contains a bibliography of books and articles on appraising of our city growth.

The Lyon Co., specializing in plumbing, heating and ventilating, has opened new quarters at 839 Ensenada Ave., Berkeley, succeeding the A. M. Fearley Company. H. W. and Herb Lyon, father and son, operate the plant.

A significant expression of opinion on the wage scale system prevalent in Russia is contained in a recent speech before the conference of industrial directors in Moscow by Joseph Stalin, general secretary of the Communist party of the Soviet Union. As reported by the "Economic Review of the Soviet Union," Mr. Stalin said:

"In this period of extensive construction, when the scale of production has become gigantic and the technical equipment extremely complicated, labor turnover has become the foe of production, disorganizing our enterprises. Wherein lies the cause of this turnover? In the wrong wage scale system, in the 'Leftist' equalization of wages. In a number of enterprises our scales are so determined that the difference between skilled labor, between hard and easy work has almost completely disappeared. This equalization leads to a situation where the unskilled laborer is not interested in becoming skilled, having no perspective of advancement. Hence, he considers himself a 'visitor' on the job, working only temporarily in order to save a bit and then going elsewhere 'in search of luck.' To do away with this it is necessary to eliminate the equalization of wages and the old wage scale. We must not tolerate a situation where a steel worker receives the same wage as a sweeper or a locomotive engineer the same as an office clerk."

Westinghouse - Wise Multi-Speed Drive is the subject of a new illustrated leaflet, L.20520, issued by the Westinghouse Electric & Manufacturing Company. This drive consists of an adjustable speed reducer built into a standard induction motor. Instant speed changes can be made with the motor running under load. Standard sizes range from ½ to 15-hp. Information on the application, operation and construction of this unique drive are contained in this new leaflet which also include a table of output speeds and principal dimensions.

HERE—THERE EVERYWHERE

H. G. Bissel, Stockton architect, who has been teaching architecture and design at the College of the Pacific for the past four years, has started a new course in City Planning. Mr. Bissel is secretary of the Stockton City Planning Commission.

San Diego city council contemplates a \$3,500,000 bond election next spring to finance construction of a city sewerage collection system and treatment plants to completely modernize the city water system. The city engineer has been authorized to prepare plans for such a system.

The 1932 appropriation for the municipal Water Department of Seattle carries its first advertising budget, with a sum of \$7,500 set aside for advertising. This year the city is spending \$40,000 to advertise its electric light and power facilities and its electric appliance merchandising.

With a view to relieving the unemployment situation, the Oakland city council will start proceedings for the construction of sanitary sewer renewals, the cost of which is estimated at \$116,345.

W. H. Welch, secretary of the Electrical Contractors and Dealers Association and Jack Cole of the Sterling Electric Company at Sacramento have taken steps to organize in the capital city those interests engaged in the sale or installation of electrical appliances. Preliminary steps for such an organization were taken at a recent dinner-meeting at the Hotel Sacramento.

Col. W. A. Starrett of New York City, builder of the Empire State Building, was nominated for president of the Associated General Contractors of America for 1932, at the recent meeting of the National executive board in Washington. D. C. Mr. Starrett served as vice-president-at-large during the past year. Henry J. Kaiser of Oakland, head of the Kaiser Paving Co., and chairman of the executive committee of the Six Companies, Inc., contractors on the Boulder Dam project, was nominated for vice-president to succeed Col. Starrett.

The Eleventh Annual Meeting of the Highway Research Board, National Research Council, will be held on December 10 and 11, 1931 in Washington, D. C. The meetings will be in the Auditorium of the National Academy of Sciences, 2101 Constitution Ave. The sessions will be devoted to discussions of reports of research activities in relation to Highway Finance, Transportation, Design, Materials and Construction, Maintenance and Traffic.

R. E. Ford, 42, vice-president and sales manager of the Cadwallader-Gibson Co., Inc., of Los Angeles, died at his home in Alhambra, October 2. He had been connected with the Cadwallader-Gibson Co. since 1919.

The 32nd annual convention of the International Acetylene Association will be held at the Congress Hotel Chicago, November 11, 12 and 13. Some of the subjects scheduled for discussion, which will be open to all in attendance, are welding and industry in 1932,

training welders and tests welds, welding in the transportation industries, welded piping and pipe lines, welding in the chemical industry, and education in welding.

J. M. Heath, 45, construction superintendent for the Union Paving Co., of San Francisco, died in Tulare, Cal., October 25. Death was due to heart trouble.

Chad F. Calloun has resigned as chief engineer and general manager of Fisher, Ross, MacDonald & Kahn, Inc., Los Angeles office, and is now working directly with and for Henry J. Kaiser, chairman of the executive committee, Six Companies, Inc. He is now located in Oakland.

At the semi-annual meeting of the Concrete Reinforcing Steel Institute at Shawnee-on-the-Delaware, Pa., O. W. Irwin, president of the Institute and vice-president of the Truscon Steel Co., directed the remarks in his address to the industry's competitive problems. In reviewing the results of the co-operative promotional work of the Institute, Mr. Irwin noted the following accomplishments: Increasing the tariff on imported steel, advocating ribbed concrete construction in the lighter occupancy buildings, and promoting heavy reinforcing in concrete roads.

Present business is particularly unsatisfactory. The sales of Institute members for the first half of 1931 were 26 per cent below the sales of the first half of 1930, while shipments were off 21 per cent for the same period. Sales loss is more severe in the Pittsburgh tonnage district than in any other. The only increase in types of shipments is for road tonnage, and this has caused a marked increase in direct mill shipments.

In analyzing the present business situation, Mr. Irwin stated the two alternatives open for the members of the Institute, either to go into corporate dissolution or bankruptcy, or else aggressively to attack the selling problem with more clear thinking, less self-satisfaction and more consideration for employees.

The immediate responsibility for meeting the present unemployment needs by increasing public works construction is primarily a local states' war. A. Hardenbergh, vice-president, Public Works Journal, New York City, in an address before the American Road Builders' Association.

This means that the funds for this work to be done in the immediate future must come from local sources, and cannot be procured from outside agencies. The problem of raising these funds is one that must be faced and solved by local officials if they are to do their share to meet the needs of today.

The major sources of income for public work construction are taxes, bond issues and assessments. Of these the most important source available for early construction work is tax money. Much of this has already been authorized in the 1931 budgets, and no further action is necessary to start the work except to make the money immediately available.

If tax money is not yet in hand, as is often the case, money can generally be borrowed from local banks at a fair rate of interest in anticipation of the receipts of taxes. Local banks have a close interest in the welfare of the community in which they do business and with rate exceptions will co-operate fully.

Temporary loan may sometimes be arranged between different depart-

ments of this city. For instance, the water department may at this time have funds banked that can temporarily be made available for paving work, provided adequate provisions are made for timely repayment.

To raise money by bond issues or assessments requires generally a considerable period of time—two or three months at the very least.

"There are several items in every estimate which cannot be figured on unit costs, but must be approximated on a time basis," says Theodore F. Laist, writing in The General Contractor on "Building Material and Construction Costs." "The contractor who is not thoroughly figuring in the right type of job he is figuring is greatly handicapped in estimating such items. The inexperienced builder invariably overlooks several operations which are necessary in the construction of the building, but which are usually not definitely mentioned in the specifications. Neither is he able to check his finished estimate before submitting his proposal. For example, an estimate for a given type of structure can be roughly checked by comparing the total estimated labor cost to that of material, not including subcontracts, as these items bear a fairly definite relation to each other for any particular type of work. A job can also be roughly checked for the elimination of large errors by noting the proportion which various subcontractors bear to the total estimated cost of the structure, and finally by computing the unit cost of the building on a cube or square foot basis as against units derived through past experience on similar work."

Dr. Edward R. Weidlen, Director, Mellon Institute of Industrial Research, Pittsburgh, Pa., has announced the foundation of an Industrial Fellowship by the Green Bay Cement Company of Pittsburgh, subsidiary of the Davison Coke & Iron Company. The investigational work of this Fellowship, which will be carried on by Raymond C. Briant, will be concerned with studies of the chemical and physical properties of portland cement and with the development of certain new cement products. Mr. Briant goes to Mellon Institute from the United States Bureau of Standards, Washington, D. C., where, during the past several years, he has been engaged in research under the auspices of the Portland Cement Association. He was previously employed in the portland cement industry of eastern Pennsylvania, following the completion of his chemical engineering education at Lafayette College.

West Coast Lumbermen's Association is urging the city of Seattle to cut a dollar from home owners' taxes for every dollar spent for labor for repairs or improvements up to 50% of 1931 tax bills. The plan originated last winter in Amsterdam. The Hollanders report it was highly helpful.

There are 55,000 home properties in Seattle; 20,000 pay over \$100 annual tax—average, \$125. If half of these better homes took full advantage of the offer, spent \$62.50 each on labor, they would give 625,000 hours of work at \$1 an hour—or 113.6 hours for each of Seattle's 5,500 unemployed building trades workers.

It is estimated the home owners would spend one million dollars on building materials, help workers in those lines.

The city would lose only 5.2% of its gross tax revenue; would save relief expenditure; could recover the amount through increased assessments.

COMPACTION OF EMBANKMENTS CITED

The compaction of embankments by various grading methods was studied by a committee of the American Road Builders' Association, H. J. Spelman, chairman, and the following conclusions drawn:

The attitude of engineers and contractors toward placing embankments has been affected by past railroad practices. The flexibility of railroad embankments did not make compaction of prime importance; highway pavements have different requirements, the same elevation is necessary without filling on the surface.

The assumption that the action of the elements and traffic will bring about the complete settlement of an uncompacted embankment in two or three years is usually incorrect.

Artificial compaction methods must be employed, if settlement is to be obtained before surfacing is placed.

As the nature of soils varies widely even in small areas, the character of the material to be compacted, as well as the materials on which it is to be placed, must be known before the engineer can exercise proper judgment as to the best method of compaction.

The major source of trouble in embankment construction has been the failure to enforce the specifications as to the thickness of the layer of loose material placed, and the method of compaction required.

Excellent results have been obtained through laboratory diagnosis and control of constructing and compacting embankments. This procedure is somewhat new and is worthy of further study.

Adequate compaction can be obtained with various types of rollers. General revisions of specifications for rollers which will express weights in terms of load per lineal inch is needed rather than gross weight of roller. Other types of compaction equipment, such as wheel and track type equipment, have been successful for compaction of embankments of certain types and in certain localities. The proper weight pressures of compaction equipment for different types of soils should be determined.

The use of a power-driven mechanical device for spreading the fill material evenly in layers is highly advisable regardless of the method of compaction.

With certain types of soil, effective compaction can be obtained by the introduction of water into the fill. Further information is needed as to the types of soil with which these methods can be successfully used.

The use of explosives is particularly successful in displacing underlying unstable material in swamps, marshes and peat bogs, and compacting embankments in such areas.

APPROVED N. E. C. CODE IS AVAILABLE

The National Electrical Code (C1-1931), which was approved as American Standard by the American Standards Association in August, has now been published and is available at five cents per copy. The code was prepared under the sponsorship of the National Fire Protection Association. It was published by the National Board of Fire Underwriters.

Copies may be obtained from the National Fire Protection Association, 60 Batterymarch Street, Boston, Mass.; from the National Board of Fire Underwriters, 85 John Street, New York, N. Y.; and from the American Standards Association, 29 West 39th Street, New York, N. Y.

L. A. TO INCREASE BUILDING PERMIT FEE

A proposed ordinance drafted by the Los Angeles Building and Safety Commission, increasing the building permit fees to meet a deficit in the operations of the building department, has been referred by the commission to a committee consisting of representatives of the organizations of the various branches of the building industry, to work in conjunction with C. V. Welch, chief of the building division, to formulate a satisfactory schedule of fees.

Because of the reduced volume of building the cost of inspection in many cases exceeds the amount of the permit fee. A small increase is proposed to provide the necessary additional income to meet the expenses of the department.

ENGINEER CANNOT COLLECT SEWER FEE

Claim of Robert A. Klassen for \$3560 for engineering fees and incidental expenses incurred on the abandoned San Bruno-Lomita Park sewer project cannot be paid by the county of San Mateo, District Attorney Edmund Scott has informed the board of supervisors.

Scott declared that if Klassen presents an itemized bill for the expenses incurred by him, which amounted to \$290.30, that the county can legally pay this sum. The 3 per cent engineering fee of \$3270 must be rejected, however, the district attorney ruled.

The board of supervisors abandoned the project last July 13 after an expense of \$7000 had been incurred. Klassen was appointed engineer of work by former County Surveyor George A. Kneese.

KANSAS CITY TO AID UNEMPLOYED

Definite steps for the first year's expenditures of a \$22,000,000 civic program in Kansas City, Mo., are being taken.

Three million dollars' worth of public work, especially selected to meet labor employment needs and immediate civic requirements, has been authorized for 1931.

This improvement plan, voted last May for a ten-year period of construction, limits the amount expended per year to \$3,200,000. Already expenditure of about \$1,300,000 has been authorized and bonds have been sold to cover airport improvements and cost of an auditorium site.

The chief items and their approximate cost of the remaining 1931 works are: water mains, \$480,000; trafficsways, \$350,000; park improvements, \$300,000; sewers, \$400,000, and excavating for auditorium, \$150,000.

ENGINEERS NAMED ON WATER CONSERVATION

City Engineer George S. Hinckley of Redlands, R. D. Skelley of Riverside and W. W. Hoy of Santa Ana have been selected as an engineering board to prepare a program for conservation of water in the Santa Ana river basin.

The report will be submitted to the supervisors of San Bernardino, Riverside and Orange counties as the basis of negotiations with the state to develop a plan for flood control work.

SURETY GROUP BANS BLANKET UNDERWRITING

The practice of some surety companies of issuing bonds guaranteeing banks against losses arising from issuing checks to contractors to accompany their bids, was condemned by the Surety Association of America at its last annual meeting. This practice of the surety companies has long been looked on with disfavor by the Associated General Contractors of America which pointed out that certified checks should be issued only when a contractor has the finances to make the check a genuine financial guarantee. The Surety Association endorsed these principles in the following resolution which was adopted at the convention:

"Whereas, Some member companies have issued bonds which guarantee banks or banking institutions against loss or losses that may be sustained through the issuance of such banks or banking institutions of certified checks to accompany bids by contractors, and

"Whereas, Such practice is, in the opinion of this association, unsound and against the best interests of the surety business and the construction industry, now therefore, be it

"Resolved, That hereafter no member company shall issue any bond, obligation of suretyship or other form of guarantee to indemnify or save harmless any bank or banking institution from any loss or losses that may be sustained through the certification of any check drawn by any contractor to accompany any bid of such contractor, or through the issuance of any check, draft or other form of banking paper to accompany any bid of such character, or through the extension of any credit to, or through the making of any loan to, any contractor to be used as the basis of procuring any check or draft or certified check to accompany any bid of such contractor and that no member company shall give or lend a certified check to a contractor for the purpose of accompanying his bid."

OREGON STATE ACCIDENT AWARDS

Net awards by the Oregon State Industrial Accident Commission amounted to \$12,089,501.11 during the last 17 years ending in the fiscal period closed June 30.

Outlay for medical aid was \$7,310,941.38 during that period, according to Chas. T. Early, chairman of the commission. Disbursements for temporary time loss were \$10,445,258.07 and expenses for administration \$3,111,510.32. A total of \$33,554,524.58 has been expended by the commission during the 17 years.

Although today more workmen are under the compensation act than ever before, the commission during the past six months has been able to reduce administrative expense \$9000 per month over a like period in 1930, Early said.

Fifty-nine employees of the Kimbalton Lime Co., Inc., of Shawsville, Va., have been covered with life insurance through a group policy recently acquired by that company. The total amount of the policy involved is \$68,000. Each worker receives insurance in amounts ranging from \$1000 to \$2500, according to rank, and the policy is of the contributory type, the employees sharing with the Kimbalton Lime Company in the payment of the premiums.

PACIFIC GROVE CITY COUNCIL ADOPTS OFFICIAL WAGE SCALE

The following scale of wages has been adopted by the city council of Pacific Grove, Monterey County, and will be presented to the city council of Monterey in the immediate future by local representatives for adoption by the city officials of that community.

Asbestos workers	\$ 8.00
Bricklayers	11.00
Brick and hod carriers	7.50
Carpenters	8.00
Carpenters and linoleum workers	9.00
Cement workers and finishers	9.00
Electrical workers	9.00
Elevator construction workers	10.00
Elevator construction helpers	7.25
Engineers—rollers, mixers, asphalt, stone, derricks	10.00
Engineers—Hoisters, portable cranes	9.00
Engineers—tractors over 50 h.p.	9.00
Engineers—bridge and structural	11.00
Engineers—pile drivers, derrick barges, cable ways	10.00
Engineers—drag lines	10.00
Firemen and watchmen	7.00
Fish workers	8.00
Handwood floor layers	9.00
Housepainters—Architectural iron	10.00
Housepainters—reinforced concrete	9.00
Iron workers—bridge and structural	11.00
Laborers—skilled	5.20
Laborers—unskilled	4.00
Laborers—concrete	6.50
Lathers	10.00
Marble workers	10.00
Marble work helpers	6.00
Millmen—planing department	7.00
Millmen—sash and door department	7.00

Millwrights	8.00
Molded casters	9.00
Mold makers	10.00
Mold sculptors	14.00
Mosaic and terrazzo workers	9.00
Mosaic and terrazzo helpers	6.00
Painters	8.00
Plasterers	12.00
Plasterers' hod carriers	8.00
Plumbers	9.00
Roof composition	8.00
Sheet metal workers	9.00
Spindler, steam and gas pipe fitters	9.00
Stair builders	9.00
Stone cutters	8.50
Stone setters	11.00
Stone carvers	9.00
Stone derrick workers	9.00
The setters	12.00
The settlers' helpers	9.00
Truck drivers under 2500 lbs.	5.50
Truck drivers—2500 to 4500 lbs.	6.00
Truck drivers—4500 to 6500 lbs.	6.50
Teamsters	5.20
Flows—1 horse	6.50
Scrapers—2 horse	6.00
Scrapers—4 horse	6.00
Shovel operators	10.00
Shovel operators underground	11.00
Shovel men	8.00
Shovel crane men underground	9.50
Shovel firemen and watchmen	7.00
Shovel oilers	6.00

The hours of labor were set at 8 hours a day, and one and one-half times the above scale for overtime work with double for Sundays and holidays.

The schedule provides that foremen shall have one dollar a day more than the above listed wage for any type of work.

Clerk, and a time and place fixed for hearing on the report (Sec. 5 to the test) (Sec. 3-f).

Since to be held by the Clerk of a designated board or other person of hearing is sent to properly examine the Clerk. This notice contains all information for benefit of owner and date of hearing and refers to the report on file which may be examined. (Sec. 6).

3. Protests at this hearing may be oral or written (Sec. 7) and within ten days after hearing, the person conducting the same shall file with the Clerk of the Council a report of the hearing and his recommendation. (Sec. 8). Within thirty days after the report of hearing is filed, the Council considers both reports. (Report of hearing and report of proposed work upon which the hearing was held). (Sec. 9).

4. The proceedings shall be abandoned (Sec. 10) if:

(1) The estimated amount of assessment for the proposed improvement exceeds one-half of the true value of any lot or parcel of land in the district, or

(2) total estimated cost of the proposed improvement, when added to the total of all assessments under (h), (i) and (j), will exceed one-half the true value of all the lands in the district. Unless the excess over one-half shall be paid from some source other than by special assessment.

5. If the actual cost of the proposed improvement exceeds the estimated cost by more than one-tenth of the estimated cost, or if the actual cost of the proposed improvement, when added to total of all assessments under (h), (i) and (j), and any other assessments to be levied, will exceed one-half of the true value of all lands in the district, the excess shall be paid from some other source.

However, the Council, by four-fifths vote, may proceed regardless of limitations, provided, that if protests from the owners of a majority of the area of lands are filed at the first hearing, the limitation cannot be exceeded. (Sec. 10).

6. However, if before making the report it is apparent that the probable assessments will not exceed the limitations set up, then the Council may have post-cards sent to property owners, requesting their views as to whether or not they wish to have proceedings carried out under the provisions of this act. If the owners of fifteen per cent of the area of the district do not so demand the making of the investigation and report, then the Council may proceed without regard to the restrictions of this act. (Sec. 13).

2. Notwithstanding anything in this act, if within the time when protests may be filed under the statute, written protests are filed by the owners of a majority of the frontage fronting on the improvement, or by the owners of more than one-half of the area of the property to be assessed, then the proceedings shall be abandoned and the Council shall be barred from further proceedings for a period of one year from the date of filing protests. (Sec. 10).

8. This act shall not apply to any proceeding in which the ordinance of intention has been adopted before the date this act becomes effective.

This act shall be known and may be referred to as the "Special Assessment, Investigation, Limitation and Majority Protests Act of 1931."

Antioch High School District, Mathews Construction Co., and others are again named defendants in a lien suit filed at Martinez last week by J. F. Eckner, painting contractor. Eckner claims that \$1,805.75 is due him for labor and materials supplied.

Digest of Act Limiting Assessments Under State Improvement Laws

Proceedings have been started by the city of Los Angeles for the first street improvement project under the new "Special Assessment, Investigation, Limitation and Majority Protests Act of 1931," which went into effect August 14, 1931. This project is known as the 118th St. and Spring St. Improvement District. Under the new act an extensive investigation and report is required on 12 items, showing the cost of the project and the status of the property to be assessed for it in order that the limitation of assessments which may be levied under the law may be determined. This limitation is one-half the true value of the parcel of land to be assessed. A comprehensive digest of the act showing the procedure required and the important items involved in each stage of it, prepared by J. L. Moyer, chief estimating engineer of the city, is given herein.

Digest of Debt Limitation Act

Before any ordinance of intention for construction work or acquisition of property under the State Acts can be passed, proceedings shall be taken as follows:

1. The Council shall prepare or require the City Engineer to prepare a written report (Sec. 12) containing the following information:

(a) A map showing the general nature, location and extent of the proposed improvement, and the lands to be assessed therefor. (Sec. 3-a).

(b) The total estimated cost of the proposed improvement (separate rating each class of construction). Sec. 3-b).

(c) The total estimated cost of the proposed acquisition (to be included only where property is to be acquired) (Sec. 3-c).

(d) The assessed value of each parcel of land to be assessed). (Sec. 3-d).

(e) The assessed value of the improvement of each parcel of land (Sec. 3-e).

(f) The total true value of said lands. (The true value of the property may be found from a table given in the act). (Sec. 3-f).

(g) The true value of each parcel of said lands. (Sec. 3-g).

(h) The amount of all unpaid assessments upon each parcel of land, and the total amount of all unpaid assessments upon all the land. (Such as assessments under Act of 1911, Vrooman Act, Act of 1913, Street Opening Act of 1902, and Boundary Line Act of 1911). (Sec. 3-h).

(i) The estimated amount of all assessments where same are levied in proportion to the assessed value of lands, as Mattoon Act. The total estimated amount of such assessments shall also be stated. (Sec. 3-i).

(j) The estimated amount of assessment for an improvement on which the final ordinance has been passed but no assessment has been levied or bond issued. (Sec. 3-j).

(k) The estimated amount of the proposed improvement for which the report is made, to be levied on each parcel of land. (Sec. 3-k).

(l) The number of years within which the bonds shall mature, number of installments, and the rate of interest.

2. When report has been approved by the Council, same is filed with City

Building Progress At Boulder City Reported

Remarkable progress has been made at Boulder City this summer in spite of the extremely hot weather, according to Norman W. Ketch, secretary-manager of Clay Products Institute of California, who recently returned from an inspection trip of the city. The construction of the temporary buildings of the "Six Companies" is practically completed and the sewer and water systems are about completed.

The construction of the permanent buildings, sponsored by the Reclamation Bureau, has advanced to the point where seven of the first twelve houses are now occupied, water, lights, sewers, etc., all connected, and the other five are receiving finishing touches.

The second group of twelve houses, for which contract was recently let, is in various stages of completion from the foundations in, to completion of walls and roof structure. These will be ready in about three months. All of the houses and buildings in Boulder City are constructed of common brick, most of which are laid "Roloek," so as to provide an air space within an 8-in. wall, the balance being solid brick walls. Some of the exteriors are plastered, while the ones under construction at this time are having the bricks laid with metal strips and the joints subsequently smoothed with a pointing tool, making a recessed joint. Walker R. Young of the Reclamation Bureau, Superintendent of the Boulder City project, stated that they had intended to whitewash these houses, but that they looked so well without it they may conclude to let them remain unpainted.

The hospital building is of solid brick walls and is about one-half completed. The dormitory is of "Roloek" brick construction, both exterior and interior, and is well under way. The Administration Building is getting under way, having the first floor finished and the structural steel work now being erected. Its walls will likewise be of brick and the floors will be the clay tile concrete joist system. The Municipal Building is started, having foundation in.

There have been about 400,000 brick laid to date. The entire city will require about 5,000,000 common brick, together with some face brick. All buildings have fire clay flue linings for fireplaces, tile roofs wholly or in part, and the entire city is sewered with vitrified clay sewer pipe.

The contractors on the job stated they would undoubtedly make better progress from now on than during the hot summer weather, and that in another six months the place will have the appearance of a real town. Other buildings to be constructed include more dormitories, gymnasium, garage building, school building, and perhaps seventy-five more houses.

HUMIDIFICATION FOR RESIDENCES

Bulletin No. 230 of the Engineering Experiment Station of the University of Illinois, prepared in view of the extended interest which has recently developed concerning humidification for residences, is ready for distribution.

The object in the preparation of the bulletin was to consolidate certain useful information from various sources, and to present experimental results which have been obtained by the Engineering Experiment Station incident to cooperative researches with the National Warm-Air Heating Association and with the Institute of Boiler and Radiator Manufacturers.

As a result of the study it was found that the principles underlying humidity requirements and limitations are as follows:

Optimum comfort is the most tangible criterion for determining the air conditions within a residence.

An "effective temperature" of 65 degrees represents the optimum comfort for the majority of people. Under the conditions in the average residence a dry-bulb temperature of 69.5 deg. F. with relative humidity of 40 per cent is the most practical for the attainment of 65 deg. "effective temperature."

Evaporation requirements to maintain relative humidity of 40 per cent in zero weather depend on the amount of air in leakage to the average residence, and vary from practically nothing to 24 gallons of water per 24 hours.

Relative humidity of 40 per cent indoors cannot be maintained in rigorous climates without excessive condensation on the windows unless tight fitting storm sash or the equivalent are installed.

The problems of humidity requirements and limitations cannot be separated from considerations of good building construction, and the latter should receive serious attention in the installation of humidifying apparatus.

Copies of Bulletin No. 230 may be obtained without charge by addressing the Engineering Experiment station, Urbana, Illinois.

The need of improvement in home financing methods has brought favorable commendations to the National Association of Real Estate Boards in bringing forward for consideration a plan for a central mortgage bank which would discount mortgages on homes.

State associations representing approximately three-fourths of the sixteen thousand members of the National Association of Real Estate Boards throughout the country have thus expressed their interest in this fundamental proposal. A detailed study of this and other proposals to lighten the burdens of the home buyer and the home owner with respect to cost of financing is being carried on in the Committee on Finance of the President's Conference on Home Building and Home Ownership which is expected to make its report early in December.

Reports of new orders for fabricated structural steel for the week ending October 3, 1931, were received from 100 establishments, whose capacity represented 54.4 per cent of the total capacity of all plants in the United States. The bookings reported by these establishments amounted to 15,585 tons, representing 31.0 per cent of the total capacity of reporting establishments. Reports of shipments of fabricated structural steel for the same week were received from 97 establishments, whose capacity represented 52.2 per cent of the total capacity of all plants in the United States. The shipments reported by these establishments amounted to 13,097 tons, representing 27.2 per cent of the total capacity of the reporting establishments.

The first monthly news letter of the California State Builders' Exchange, edited by Frederic Sanford of Santa Ana, executive secretary, is now in circulation. The issue contains four pages of interesting reading matter and particularly features the message of H. C. Anderson of Berkeley, newly elected president of the organization, to member exchanges.

ENGINEERING SOCIETIES EMPLOYMENT SERVICE

Further information regarding positions listed in this column is obtainable from Newton D. Cook, Room 715, 57 Post Street, San Francisco. (Phone Sutter 1684).

R-3628-S ELECTRICAL MANUFACTURER with established business, wishes to locate some one with \$10,000-\$20,000 who would like to acquire an interest in the company. Will bear investigation as to past and present record. Location, Bay Region.

R-3633-S SALESMAN, experienced, preferably with training in medicine, to develop the sale of a new therapeutic lamp producing infra-red rays. Should be able to finance self. Commission only. Headquarters, San Francisco.

W-3201-C CHIEF ENGINEER in charge of locomotive and car repair works. Graduate engineer with not less than ten years' experience in charge of railway shops. Ability to organize and supervise production. Must be competent to reorganize repair shops and rationalize technological processes. Salary, about \$600 a month, less income tax. 25% perhaps 30% in United States money, maximum balance in rubles for living expenses. Apply only by letter. Location, Russia. Also, W-3202-C SUPERINTENDENT of locomotive erecting shops, and W-3203-C SUPERINTENDENT of car repair shops.

W-3299-S (K-332) TIME STUDY ENGINEERS. Must be expert analysts, thoroughly familiar with the different accepted incentive wage payment plans, have pleasing personalities and the faculties to put the work across. Should be at least 23 to 30 years old, and have had at least five years' practical experience, personally making time studies, analyzing them themselves and putting them across to a successful finish. Apply only by letter. Location, West Coast.

R-3671-S YOUNG ENGINEER, preferably mechanical, to start in on the ground floor with a company holding patent rights on spray nozzle for solid injection Diesel engines. Work will be to design and adapt the unit to engines of different manufacturers if contracts are secured. Company is organized and considerable development work has been done. Will only consider applicants who can purchase stock after investigation. Location, San Francisco.

R-3680-S ENGINEER, preferably mechanical, 28-40 years old, Protestant, good physical condition, experienced as general machinist, good designer, fair draftsman, for combination job with a well driller, who is looking for a right hand man to assist him in the field and shop. Application may be by letter but personal interview is required. Salary, \$150-\$200 month. Location, Northern Calif.

W-3157 BACTERIOLOGICAL CHEMIST to do laboratory development work on the production of acetone, butyl-alcohol, citric acid and other chemicals for commercial research. Apply only by letter. Location, South America.

Louisiana now has 3,000 miles of paving under contract, it is reported by Chairman Allen of the state highway commission. Of this total, 2,065 miles are concrete and 928 miles asphalt surfaced. A total of \$50,000,000 worth of road and bridge work is now under contract in the state.

Building News Section

APARTMENTS

Plans Completed
APARTMENTS Cost, \$110,000
SAN FRANCISCO. S. W. Grove and
Fillmore Sts.

Six-story and basement rein. concrete
apartment, 62 and 3-room apart-
ments), tile and composition roof,
steam heating system, hardwood
floors, colored tile baths and kitchen-
ets.

Owner and Builder—A. T. Morris &
Sons, 3500 Fulton St.
Architect—H. C. Bauman, 251 Kearny
Street.

When construction will start has
not been determined at this time.

A. T. Morris & Sons have purchased
the property from Leblman & Epp,
who originally planned to construct
this building.

Sub-Contracts Awarded
APARTMENTS Cost, \$35,000
SAN FRANCISCO. NW Pierce and
Capra Sts.

Three-story and basement frame and
stucco apartment building (9 4-
room apts.) (tar and gravel roof,
steam heating system, electric re-
frigeration, colored tile baths and
kitchens, hardwood floors, etc.)
Owner and Builder—A. T. Morris &
Sons, 3500 Fulton St., San Fran-
cisco.

Plans by Owner.
Wiring: Minkel & Lucas, 1535 Folsom
Street.

Plastering: Jas. Pinkerton, 927 Howard
Street.

Lumber: Christensen Lumber Co., 5th
and Hooper Streets.

Sub-bids are wanted on the work,
plastering, flooring, etc.

Sub Contract Awarded
REMODEL APARTMENTS Cost, \$7,000
SAN FRANCISCO. 945 Green Street.
Remodel interior of Apartment.

Owner—R. W. Hanna,
Architect—W. W. Wurster, 260 Cali-
fornia Street.

Contractor—Moore and Madsen, 557
Market Street.

Plumbing—W. P. Goss, 4640 Geary St.
Electrical Wiring—Minkel & Lucas,
1535 Folsom Street.

Plastering—Ed. Severinsen, 923 Dar-
len Way.

Ornamental Iron—Patterson & Koster,
250 13th Street.

Glass—Crowe Glass Co., 675 Golden
Gate Avenue.

Owner Taking Bids to Close Oct. 31.
APARTMENTS Cost, \$17,000
SAN JOSE. Santa Clara Co., Cal., N.
W. 9th and San Antonio Sts.

Two-story and basement frame and
stucco apartments with concrete
garage (shingle and tar and gravel
roof, steam heating system, electric
refrigeration, hardwood floors,
colored tile baths and kitchens).

Owner—R. D. Campbell, care Mrs.
Hazel 339 S. 16th St., San Jose.
Architect—F. H. Slocombe, 3830 Har-
rison St., Oakland.

Clinton Stephenson Construction
Co., Clay and Montgomery Sts., San
Francisco, are figuring the plans and
desire sub bids on all portions of the
work.

Sub-Bids Wanted.
APARTMENTS Cost, \$25,000
SAN FRANCISCO. S. Chestnut St.,
137 W. Laguna St.

Three-story and basement frame and
stucco apartments (9 apts.)
owner—C. and L. Adada, 1725 Chestnut
St., San Francisco.

Plans by Owner.
Contractor—G. Harder, 1233 41st Ave.,
San Francisco.

Sub-bids wanted as follows: mill
work, roofing, tiling, carpets, linoleum,
painting, ornamental iron, glass
and plastering.

Sub-Bids Being Taken.
APARTMENTS Cost, \$135,000
ALAMEDA. Alameda Co., Cal. Web-
ster and Haight Sts.

Four-story frame and stucco apart-
ments (110 rooms; one-story rein-
forced concrete garage).

Owner and Builder—J. C. Martin, 1437
Fifth St., Alameda.

Plans by Owner.
Bids are wanted on concrete work,
plastering and plumbing.

BONDS

SANTA MONICA, Los Angeles Co.,
Cal.—Commissioner of Finance Frank
A. Helton, at the Santa Monica City
Council meeting October 20th, moved
to place a \$350,000 bond issue on the
ballot at the December 1st election to
provide funds for a new city hall on
the present Santa Monica city hall.

CLAREMONT, Los Angeles Co., Cal.
The Claremont School Board has de-
termined on the sum of \$256,000 as the
amount of the bond issue to be sub-
mitted to the Claremont voters at a
special election to be held November
24. Proposed improvements at the
high school will cost \$148,000 and
elementary school improvements \$108,-
000. March, Smith & Powell, 516 Ar-
chitects' Bldg., Los Angeles archi-
tects.

CHURCHES

Stone Contract Awarded
REMODEL CHURCH

Cant. Price \$7,300
SAN FRANCISCO. Cal. Mission St.,
near Third.

SKILSAW Portable Electric Hand
Saws (4 models).

SKILSAW Portable Electric Sander

SKILSAW Radial Arm Attach-
ments.

SYNTRON Portable Electric Ham-
mers (4 models, motor-
less).

MALL Flexible Shaft Machines (60
models).

Electric Drills, Grinders, Buffers,
Routers, Lock Mortisers.

PETER H. NELSON

Labor Saving Portable Electric
Tools.

1248 Mission St. UNDERHILL
San Francisco 7662
SALES . SERVICE . RENTALS

Alterations to church (restoration of
tower, new stone turrets on cor-
ners of tower, filling of old belfry
opening with stone tracery and
adding an additional 10 feet at
height of tower.

Owner—Roman Catholic Archbishop of
San Francisco, 1100 Franklin St.

Architect—Arnold Constable, 580 Mar-
ket St.

Contractor—Larsen & Larsen, 629
Bryant St.

Stone: Peter Bradley, 639 Brannan St.

Sub-Bids Wanted
CHURCH Cost, \$65,000
MODESTO, Stanislaus Co., Cal.
Reinforced concrete church (seating
capacity of 1000); tile roof, steam
heating system, chapel, Sunday
school quarters, gymnasium, etc.)

Owner—First Methodist Church (Rev.
Loofbrough, pastor).

Architect—G. N. Hilburn, 1312 I St.,
Modesto.

Contractor—H. Tennyson, 125 Poplar
St., Modesto.

Rein. Steel: F. A. Klinger, 1269 N.
Pilgrim, Stockton.

Lumber: Stanislaus Lumber Co., 9th
and K Sts., Modesto.

Sub-bids are wanted on structural
steel, terra cotta, tile roofing, plum-
bing, heating, electric wiring, etc.

HANSFORD, Kings County, Cal.—
Protests have been filed with the city
council against granting a permit to
the Church of the Nazarene in Doty
street between Eleventh and Ivy
streets, property owners charging that
the territory is "strictly residential."
Rev. Ronald E. Griffith, pastor, pro-
poses to erect a structure for \$10,000,
the first unit to cost \$3,000. The pro-
tests have been taken under advice—
ment by the city council.

FACTORIES AND WARE- HOUSES

Prospective Bidders.
FACTORY & STORES Cost, \$20,000

OAKLAND. Alameda Co., Cal. Lake-
shore Avenue.

Two-story brick factory and store (tile
floors, steel sash, soda fountain,
kitchen equipment, etc.)

Owner—Edys Candy Co., 3315 Grand
Ave., Oakland.

Architect—Miller & Warnecke, Finan-
cial Center Bldg., Oakland.

There will be considerable machinery
and equipment which will bring the
cost to approximately \$75,000.

Following contractors have secured
plans:

Jensen & Pederson, 3443 Adeline St.,
Oakland.

Thos. F. L. Furlong, 460 Jerome
Ave., Piedmont.

Chas. D. Vezey & Sons, 3220 Sacra-
mento St., Berkeley.

Wm. E. Lyons, 354 Hobart St., Oak-
land.

F. C. Stolte, 3440 Laguna St., Oak-
land.

Lindgren & Swinnerton, Inc., 225
Bush St., San Francisco.

T. D. Courtright, 5095 Manila Ave.,
Oakland.

PASADENA, Los Angeles Co., Cal.—
J. W. Charleville, Pasadena city
manager, has recommended to the city
directors of Pasadena that an incin-

erector be erected in the south central section of Pasadena at an approximate cost of \$100,000. It was suggested that the cities of South Pasadena, Alhambra and possibly San Marino be asked to join Pasadena in the project.

Plans To Be Prepared.
LAUNDRY Cost, \$30,000
NURSERIES, Shasta Co., Cal.
 Brick or concrete laundry.
 Owner—Redding Laundries, Inc., Redding (C. F. Brouillard, President).
 Architect—Not Yet Selected.

Three lots have been purchased at the corner of Madison St and Greenwood Blvd. on which the structure will be erected. Construction, however, will not be started until next Spring.

Plans Being Figured—Bld Closes November 24, 2 p. m.
DAIRY Cost, \$60,000
IONE, Amador County, Cal.
 Complete Dairy Unit at Preston School of Industry, involving (A) Creamery Unit; (B) Milking Barn. Owner—State of California.
 Architect—R. G. De Lappe, 1710 Franklin St., Oakland, Cal.

The Creamer Unit will be one story with reinforced concrete foundations and floor, brick walls, wood roof construction and asbestos shingle roof. The Milking Barn will be one story with reinforced concrete foundations and floor, brick walls, wood roof construction and corrugated iron roof.

Bids are wanted for General Work, embracing all work other than electric, heating, plumbing, refrigeration and insulation work. Separate bids will be considered for these units with a combination on heating and plumbing.

Plans Being Prepared.
CANNERY Cost, \$—
GILROY, Santa Clara Co., Cal.
 One-story concrete cannery.
 Owner—Filice & Perrelli, Gilroy and Richmond, Cal.
 Architect—William Knowles, 1214 Webster St., Oakland.

To Ask Bids October 26.
LAUNDRY & FLAT Cost, \$12,000
SAN FRANCISCO, E Twenty-sixth St., 25 W Capp St.
 Two-story Class C brick laundry and flat (6 rooms; tar and gravel roof). Owner—A. Lacrouts.
 Architect—G. A. Berger, 309 Valencia St., San Francisco.

Laundry portion will have reinforced concrete floors. Flat will have hardwood floors throughout.

Sprinkler Contract Awarded
SPRINKLER SYSTEM Cost, \$10,000
SAN FRANCISCO, 5700 Third St.
 Automatic sprinkler system for factory.
 Owner—Rome Co., Inc., 5700 Third St.
 Architect—None.
 Contractor—Star Sprinkler Co. of the Pacific, 80 Natoma St.

Sub-Contracts Awarded
ADDITIONS Cost, \$30,000
OAKLAND, Cal. S. G St., W. 90th Ave.
 Additions to factory (corrugated iron superstructure), concrete floors and foundations.
 Owner—Hazel Atlas Glass Co., 89th and G Sts., Oakland.
 Architect—Not Given.

Contractor—Larsen & Larsen, 623 Bryant St., San Francisco.
Electric: Pacific Electric Motor Co., 10th and Oak Sts., Oakland.
Structural Steel and Corrugated Iron: Judson Pacific Co., foot of Park Ave., Oakland.
Plumbing: Fearey & Moll, 1075 40th St., Oakland.

Sub-bids will be taken in about one week on other portions of the work.

Plans Being Completed.
SHOP Cost, \$3000
SAN FRANCISCO, Twenty-second St., 1874 E Trent Ave.
 Two-story and mezzanine floor reinforced concrete Class B shop (asphaltic roof, reinforced concrete walls and floors, steel windows, elevators).
 Owner—J. Jacobsen.
 Architect—L. O. Berg, 675 Corbett Ave., San Francisco.
 Construction may not start for sixty days.

To Ask Bids In Three Weeks.
FACTORY Cost, \$1,000,000
ALAMEDA, Alameda Co., Cal. Fernside and Versailles Aves.
 Group of factory buildings (cover 10½ acres).

Owner—Owens-Illinois Glass Co. (W. I. Cole, Mgr.), 133 Kearny St., San Francisco.
 Engineers—Mills, Rines, Bellman & Nordhoff, Inc., Toledo, Ohio.
 Detailed plans are now being completed in the East and it is expected to call for bids within three weeks.

Plans Being Figured.
FACTORY & STORE Cost, \$20,000
OAKLAND, Alameda Co., Cal. Lakeshore Avenue.
 Two-story brick factory and store (tile floors, steel sash, soda fountain, kitchen equipment, etc.).
 Owner—Edys Candy Co., 3315 Grand Ave., Oakland.
 Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
 There will be considerable machinery and equipment which will bring the cost to approximately \$75,000.

Plans Completed.
FACTORY ADDITION Cost, \$4,000
SAN FRANCISCO, Cal., W. Converse, 75 feet N. Bryant St.
 One-story Class C addition to factory.
 Owner—O. Schrader, 1247 Harrison St.
 Architect—E. A. Neumarkel, 340 Kearny St.

Plans To Be Prepared.
FACTORY UNIT Cost, \$500,000
BERKELEY, Alameda Co., Cal. 8th St., Gilman and Camella Sts.
 Factory unit for manufacturing of ventilating apparatus etc.
 Owner—B. F. Sturtevant Co., 2530 Sixth St., Berkeley.
 Architect—Not Determined.

The company recently secured an option on property bounded by 8th, 9th Gilman and Camella Sts., and follow completion of the first unit will construct other additions involving a total expenditure in excess of \$1,000,000. Eugene N. Foss, Governor of Massachusetts, is president of the company with main offices and plant in Boston, Mass.

Plans Being Prepared.
FACTORY GROUP Cost, \$2,000,000
SHELL POINT, Contra Costa Co., Cal.
 Group of factory buildings (type of construction not determined).
 Owner—Armstrong Cork Co.
 Engineer—Henry Boettcher, Lancaster, Penn.
 Lindgren & Swinerton, Inc. 225 Bush St., San Francisco, are doing some preliminary work. I. E. building a trestle and filling in land.

Plans Being Figured.
LAUNDRY & FLAT Cost, \$12,000
SAN FRANCISCO, E Twenty-sixth St., 25 W Capp St.
 Two-story Class C brick laundry and flat (6 rooms; tar and gravel roof).
 Owner—A. Lacrouts.

Architect—G. A. Berger, 309 Valencia St., San Francisco.
 Laundry portion will have reinforced concrete floors. Flat will have hardwood floors throughout.

Construction to Start Shortly.
FACTORY ADDITION Cost, \$10,000
OAKLAND, Alameda Co., Cal., 850 42nd Ave.
 Addition to factory.
 Owner—Clorox Chemical Co., 850 42nd Ave.
 Architect—Not Given.

Completing Plans.
FACTORY Cost, \$—
LOS ANGELES, Cal. No. 1700 E. Twenty-sixth St.
 Concrete and brick factory (16,000 sq. ft.) facilities for the manufacture of hard rubber storage battery containers.
 Owner—Pacific Hard Rubber Co. (Stauffer Chemical Co.)
 Plans by The Austin Co. of California 777 E. Washington St., Los Angeles.
 Contractor—The Austin Co. of California, 777 E. Washington St., Los Angeles.

GOVERNMENT WORK AND SUPPLIES

SAN FRANCISCO, Cal.—Until November 10, 10 a. m., under Circular No. 328-32-94, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver Manila Rope, as follows:
 10 coils, 12 yam, ¾-in. diam., 1½-in. circ., 66 lb. coils.
 10 coils, 12 yam, ¾-in. diam., 1½-in. circ., 160-lb. coils.
 12 coils, 2 strand, 1½-in. diam., 3¾-in. circ., 504-lb. coils.
 3 coils, 3 strand, 1½-in. diam., 5-in. circ., 900-lb. coils.
 200 ft., 3 strand, 1½-in. diam., 5-in. circ. in 1 length.
 3 coils, 3 strand, 2-in. diam., 6-in. circ., 1300-lb. coils.
 1 coil, Rope, Ratline, hemp, tarred, best quality, selected, 9 thread, 5/16-in. diam., 1-in. circ., 50-lb. coils.
 10 coils, Rope, Spun yarn of best quality untarred hemp 3 yam, 25-lb. coils.

STOCKTON, San Joaquin Co., Cal.—Until November 6, 3 p. m., under Order No. 3845-Stk. 109, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to furnish and deliver f.o.b. Stockton, lumber as follows:
 360 ft., 30 Pcs. No. 1, Common Oregon Pine, size 2x4-in.x16-ft., S4S.
 240 ft., 30 Pcs. No. 1, Common Oregon Pine, size 2x4-in.x12-ft., S4S.
 213 ft., 29 Pcs., Clear White Pine, size 2x4-in.x16-ft., S4S.
 171 ft., 8 Pcs., Clear Redwood, size 2x 8-in.x16-ft., S4S.
 20 ft., 6 Pcs., Clear Oak, 1x4-in.x10-ft., S4S.
 40 ft., 6 Pcs., 1x8-in.x10-ft., Clear Oak, S4S.
 60 ft., 6 Pcs., Clear Oak, 1x12-in.x10-ft., S4S.
 40 ft., 6 Pcs., Clear Oak, 2x4-in.x10-in., S4S.
 All the above lumber sizes are net dimensions.

VALLEJO, Solano Co., Cal.—Federal Government has closed deal for the purchase of property at the southwest corner of Marin and Carolina streets on which will be erected the new post-office. It has not been decided whether plans for this structure will be prepared by a local architect or by the Supervising Architect's Office of the U. S. Treasury Department.

Additional Prospective Bidders.
POST OFFICE—\$150,000 Available
BERKELEY, Alameda Co., Cal., Mil-
 itary and Kitteridge Sts.
Extension and remodeling of Post Of-
fice (except elevator).
Owner—United States Government.
Plans by Supervising Architect,
 Treasury Dept., Washington, D. C.
Jacobs & Pattiani, 337 17th St., Oak-
 land, Cal.
R. C. McBride, Jr., 2326 Le Conte
 Ave., Berkeley, Cal.
F. E. Reilly & John Grace, 703 Mar-
 ket St., San Francisco.
Murch Bros. Construction Co., Rail-
 way Exchange Building, St. Louis.
 Other bidders previously reported.

Prospective Bidders. Cost, \$—
PORT ANGELES, Wash.
Class "A" Postoffice.
Owner—U. S. Government.
Architect—Plans by Supervising Archi-
 tect, Treasury Department, Wash.
 ington, D. C.
Pacific States Construction Co.,
 Lloyd Bldg., Seattle, Wash.
Walter & Brady, Lloyd Bldg., Seat-
 tle, Wash.
Eric Anderson & Son, Port Angeles,
 Wash.
Harry Boyer & Son, Olympia, Wash.
J. E. Bonnell & Son, Tacoma, Wash.
O. F. Larson, Tacoma, Wash.
Charles Weitz's Sons, Inc., 713 Mul-
 berry St., Des Moines, Iowa.
Theusell Contracting Co., 534 E.
 Johnston St., Philadelphia.
Wm. Macdonald Construction Co.,
 St. Louis.
Hallbauer-La Bahn, Inc., 844 Rush
 St., Chicago.
Lovering-Longbotham Co., Builders'
 Exchange Building, St. Paul, Minn.
Peter L. Hansen, 920 N. L. St., Ta-
 coma, Wash.
West Coast Construction Co., Lloyd
 Building, Seattle, Wash.
Joseph Potucek, 3435 Roosevelt St.,
 Tacoma, Wash.
McDonald Building Co., Tacoma,
 Wash.

NAPA, Napa Co., Cal.—Federal
 Government has closed deal for the
 purchase of property in Randolph St.,
 between Second and Franklin Sts., on
 which the proposed new \$120,000 post
 office will be erected. It has not been
 determined whether plans for this
 structure will be prepared by a local
 architect or by the Supervising Archi-
 tect's Office of the Treasury Depart-
 ment.

POINT REYES, Cal.—Until Novem-
 ber 25, 11 A. M., under Specification
 No. 6624, bids will be received by
 Public Works Officer, Mare Island
 Navy Yard, for installing new foun-
 dations and new wood platforms under
 water tanks Nos. 7 and 8 at the Naval
 Direction Finder Station, Point Reyes.
 Plans obtainable from the Command-
 ant at the Navy Yard on deposit of
 \$5, returnable, checks for same to be
 made payable to the Chief of the
 Bureau of Yards and Docks.

SACRAMENTO, Cal.—Until Novem-
 ber 5, 5 P. M., under Order No. 3841-
 Stk.106, bids will be received by U. S.
 Engineer Office, California Fruit
 Bldg., to furnish and deliver in water
 at Venice Island, San Joaquin River,
 240 Douglas fir piling, each 40 ft. long
 (approx. 9600 lin. ft.)
 Alternative bids will be received for
 delivery f. o. b. railroad cars at point
 specified by bidder.
 Specifications obtainable from above

SAN FRANCISCO, Cal.—Following
 contractors have secured plans in con-
 nection with the construction of con-
 crete sidewalks in front of the non-

commissioned officer's quarters, No. 1
 to 3, at the Presidio. Bids will be
 opened November 3, 11 a. m., by the
 Constructing Quartermaster, Fort
 Mason:
Fred Turner, 212 Anita Road, Bur-
 lington.
F. J. Reilly, 6350 Fulton St., San
 Francisco.
L. Sartorio, 1817 Filbert St., San
 Francisco.
C. C. McCabe, Call Building, San
 Francisco.
E. G. Hart, 666 Mission St., San
 Francisco.
Paramount Concrete Co., 375
 Wheeler Ave., San Francisco.

WASHINGTON, D. C.—Bids are be-
 ing received by Bureau of Supplies
 & Accounts, Navy Department, Wash-
 ington, D. C., to furnish and deliver
 miscellaneous supplies and equipment
 as noted in the following schedules,
 further information being available
 from the Navy Purchasing Office, 100
 Harrison St., San Francisco:

Bids Close Nov. 10
Mare Island, 150 electric coffee per-
 colators; sch. 6770.
Puget Sound, 900 electric flashlights
 sch. 6736.
Mare Island, air hose couplings; sch.
 6772.
Mare Island and Puget Sound, thermo
 ventilation heaters and spares;
 sch. 6766.
Mare Island, 12,000 lbs. hydro-
 chloric acid; sch. 6776.
San Diego, 1000 steel folding arm
 chairs; sch. 6791.
Mare Island, 2400 lbs. sheet brass;
 sch. 6792.
San Diego, Mare Island and Puget
 Sound, approximately 1,353,000 lbs.
 cotton rags; sch. 6796.
San Francisco, 1 refrigerating dis-
 play case; sch. 6790.
Bids Close Nov. 17
Mare Island, 2 motor-driven circula-
 ting pumps and 2 motor-driven brine
 pump; sch. 6786.
Mare Island, 1000 receiving vacuum
 tubes; sch. 6785.
Mare Island, 4000 shielded telephone
 plugs; sch. 6784.

Contract Awarded. Cost, \$279,000
HANGARS, SHOPS
WHEELER FIELD, Territory Hawaii
 Four air corps double hangars, 1 ma-
 chine shop, 1 assembly shop, 1
 warehouse (steel construction, hollow
 tile and concrete panels, concrete
 foundations, metal sash, steel
 rolling doors, electric wiring,
 plumbing and elaborate lighting
 system).
Owner—United States Government.
Plans by Constructing Quartermaster,
 Fort Shafter, T. H.
Contractor—Kenneth Colburn, Inc., 385
 E-Green St., Pasadena.
 Complete list of bids on file in this
 office.

Sub Contracts Awarded.
OFFICE BLDG. Cont. Price, \$700
SUNNYVALE, Santa Clara Co., Cal.
 One-story frame and stucco office
 building (in connection with Dir-
 ligible Base, Spec. No. 6492).
Owner—United States Government.
Plans by Bureau of Yards and Docks,
 Navy Dept., Washington, D. C.
Contractor—San Francisco Constr. Co.,
 3159 Fillmore St., San Francisco.
Lumber—Sterling Lumber Co., Mt.
 View, Cal.
Mill Work—Pacific Manufacturing Co.,
 Santa Clara.
Plumbing—J. J. McLeod, 1246 Golden
 Gate Ave., San Francisco.
Wall Board—Central Supply Co.,
 Stockton and Emory, San Jose.
Roofing—Bush Roofing Co., St. Claire
 Bldg., San Jose.

Sewer Work—Gambler & Garden
Electric Work—Atlas Electric and
 Engineering Co., 343 4th St., San
 Francisco.
Hardware—Lee Hardware Co., 151
 New Montgomery St., San Fran-
 cisco.

Bids Opened. Cost, \$—
PAINTING
MAKES ISLAND NAVY YARD, Calif.
 Painting exterior of Buildings H-2,
 H-2a and H-2b at Naval Hospital,
 Mare Island Navy Yard (Specifi-
 cation No. 6695).
Owner—United States Government.
Plans by Bureau of Yards and Docks,
 Navy Dept., Washington, D. C.
Low Bidder—L. C. McQuady, Vallejo.
 Building H-2 comprises the Com-
 manding Officer's quarters; Building
 H-2a garage and H-2b servants' quar-
 ters.

Following is a complete list of bids
 received:
L. C. McQuady, Vallejo.....\$ 462
A. B. C. Painting Co., S. F...... 546
D. E. Burgess, S. F...... 632
R. P. Paoli, S. F...... 647
Chas. B. Drew, Vallejo..... 690
Pacific Painting & Decorating
Co., Oakland..... 697
J. M. Jensen, Oakland..... 825
Aristo Painting Co., S. F...... 857
W. B. Hesser, Vallejo..... 922
Vera & Castro, Vallejo..... 2466
 Bids referred to Washington for
 award.

SAN FRANCISCO, Cal.—A. J. Ruhl-
 man, 444 Golden Gate Ave., at \$149.47
 awarded contract by Constructing
 Quartermaster, Fort Mason, to fur-
 nish approximately 131 shades for
 ward building F-1 and G-2 at the Let-
 termann General Hospital.

BIDS OPENED. Cost, \$—
BOILER SETTING
PALO ALTO, Santa Clara Co., Cal.
 New brick boiler setting for one 200-
 hp. Casey-Hedges Water Tube
 Boiler at U. S. Veterans' Hospital.
Owner—United States Government.
Plans by Supervising Superintendent
 of Const., U. S. Veterans' Hospi-
 tal, Palo Alto.
Low Bidder—J. T. Thorpe & Son, Inc.,
 417 Market St., San Francisco.

Following is a complete list of bids
 received:
J. T. Thorpe & Son, Inc., S. F......\$2,959
James T. Baker, Santa Clara.....\$3,083
California Steel Prod. Co., S. F......\$3,177
Dee Engineering Co., S. F......\$3,200
J. N. J. Firebrick Const. Co.,
San Francisco.....\$3,494
McGee Sales Agency, S. F......\$3,820
E. G. Rahm Co., San Francisco.....\$4,560
Thomas Roberts, Berkeley.....\$4,936
Sunnyvale Plumbing & Heating
Co., Sunnyvale.....\$6,800
 Bids referred to Washington for
 award.

SAN FRANCISCO, Cal.—F. W.
 Snook, 596 Clay St., at \$1,485, sub-
 mitted low bid to Twelfth Naval Dis-
 trict, to install fuel oil filling and dis-
 tributing lines at the Receiving Sta-
 tion Yerba Buena Island, in San Fran-
 cisco Bay.

Following is a complete list of the
 bids received:
F. W. Snook, S. F......\$1,485 Alt. \$500
P. L. Burr, S. F......\$1,628 Alt. \$592
W. G. Paulsen, S. F......\$1,687 Alt. \$742
Fred. D. Turner,
Burlington.....\$2,014 Alt. \$1,327
E. Sutherland, S. F......\$2,198 Alt. \$1,568
Herman Lawson, S.R......\$2,300 Alt. \$1,734
George Schuster,
Oakland.....\$2,774 Alt. \$1,858
 Bids held under advisement.

BERKELEY, Alameda Co., Cal.—Following as a partial list of prospective bidders to furnish and install freight elevator in Berkeley postoffice: S. Heller Elevator Co., Milwaukee, Wis.

Gurney Elevator Co., 201 Southern Bldg., Washington, D. C.
Jeffrey Mfg. Co., Box 510, Raleigh, N. C.

Reliance Elevator Co., 212 Kinzie St., Chicago, Ill.

Elevator Locks Co., 119 N. Washington St., Peoria, Ill.

Haughton Elevator Co., 1103 Vermont Ave., N. W., Washington, D. C.

A. B. See Elevator Co., Washington, D. C.

Westinghouse Electric Elevator Co., 30th and Walnut Sts., Philadelphia, Pa.

Otis Elevator Co., 810 18th St., N. W., Washington, D. C.

General Electric Co., Schenectady, N. Y.

American Elevator & Machine Co., 500 E. Main St., Louisville, Ky.

Atlantic Elevator Co., Erie Ave. and D St., Philadelphia, Pa.

The Shepard Elevator Co., 2413 Cole-rain Ave., Cincinnati, Ohio.

ALBUQUERQUE, N. M.—E. V. Fairgren Co., Ltd., 119 S. Alvarado St., Los Angeles, have signed a contract at \$75,000 for plastering the new hospital buildings under construction in Albuquerque. N. M., for the U. S. Veterans' Administration. Murch Brothers Constr. Co., St. Louis, Mo., is the general contractor.

October 23, 1931

Commissioned To Prepare Plans.

POST OFFICE Cost, \$150,000

MARYSVILLE, Yuba Co., Cal. NE

Fourth and C Sts. (160x160 ft).

Class A Post Office building.

Owner—United States Government.

Architect—J. J. Donovan, 1916 Broad-way, Oakland, Calif.

SAN FRANCISCO.—Berkeley Steel Construction Co., Inc., Second and

Camella Sts., Berkeley, at \$92,500 awarded contract by Constructing Quar-

termaster, Fort Mason, to construct a 1000-barrel steel oil tank with an all-

steel roof at Fort McDowell.

Low Bidder.

REPAIRS Cost, \$—

SAN FRANCISCO. Presidio.

Repairs to tank house at the U. S.

Marine Hospital.

Owner—United States Government.

Plans by Supervising Architect, Treas-

ury Dept., Washington, D. C.

Low Bidder—Anita Ave., Burlingame, at \$2347.

Bids for this work were opened in

Washington, D. C., on October 23. A

complete list of bids received will be

published shortly.

SAN DIEGO, Cal.—Until November

5, 11 a. m., under Specification No.

6565, bids will be received by Public

Works Officer, Eleventh Naval Dis-

trict, for interior painting of the phys-

ical instruction, gymnasium and wel-

fare building at the Naval Operating

Base (Air Station). The work will consist of the interior painting of walls and ceilings of all rooms on the first floor, second floor and basement, except (the Gymnasium, Picture Pro-

tection Booth and Balconies in con-

nection with Gymnasium, and the

Lobby on first floor and stair hall in

connection therewith up to the second

floor level) which are not to be

painted under this specification. In-

terior woodwork in connection with

the walls and ceilings, to be painted

under this specification, have previ-

ously been painted and are not in-

cluded as a part of the work. Plans

obtainable from the Public Works Of-

ficer on deposit of \$10, returnable,

checks for same to be made payable

to the Chief of the Bureau of Yards

and Docks.

AMERICAN LAKE, Wash.—Until

November 23, 2:30 P. M., bids will

be received by the Supervising Super-

intendent of Construction, U. S. Vet-

erans' Hospital, Palo Alto, Calif., to

furnish and install stoker equipment

at the Veterans' Administration Hos-

pital, American Lake for three 250-hp.

water tube "Birchfield" boilers. The

bid call includes stokers, motors

blowers, lower boiler front, dead

plates, tuyeres, brickwork concrete

foundations for motors, electrical work

and water piping. Specifications ob-

tainable from the superintendent at

Palo Alto, Calif.

Plans Being Figured—Bids Close Nov.

30, 3 P. M.

Cost, \$1,287,500

PORTLAND, Ore. Broadway, Mad-

ison, Sixth and Main Sts.

Seven-story and basement Class A

Federal Offices.

Owner—United States Government.

Architect—Whitehouse, Stanton &

Church, Railway Exchange Bldg.,

Portland, Ore.

Contract Awarded.

ELECTRIC SYSTEM

Cost, Price, \$10,500

PALO ALTO, Santa Clara Co., Cal.

Revisions to electric distribution sys-

tem and removal and sale of old

single, two and three conductor

No. 6 500-volt rubber and lead-

covered cable and No. 6 single

conductor weatherproof copper

wire.

Owner—United States Government.

Plans by Supervising Superintendent

of Constr., U. S. Veterans' Hos-

pital, Palo Alto.

Contractor—Globe Electric Works, 1899

Mission St., San Francisco.

This work will include trenching,

backfilling, construction of concrete

manholes, installation of parkway

cable, oil circuit breakers, primary cut-

out, poleheads, disconnecting exist-

ing primary service cables and connect-

ing new cables to primary cutouts, oil

circuit breakers, busses, etc.

Contract Awarded.

ELECTRIC WORK, ETC.

Cost, Price, \$3060

TUCSON, Arizona.

Extensions and additions to Nurses'

call system and to radio and light-

ing circuits at Veterans' Hospital.

Owner—United States Government.

Plans by Supervising Superintendent

of Construction, U. S. Veterans'

Hospital, Palo Alto.

Contractor—Broome Electric Corp.,

Amarillo, Texas.

SAN FRANCISCO—Until November

19, 10 A. M., under Circular No. 928-

32-90, bids will be received by Quar-

termaster Supply Officer, General

Depot, Fort Mason, to furnish 20,000

ft. braided water hose, ½-in. dia.;

complete with ¾-in. cast brass cou-

pling, bolted on; 50-ft. length.

PHOENIX, Ariz.—Until November

10, 2 p. m., bids will be received by

Carl H. Skinner, superintendent, U. S.

Indian School, Phoenix, to furnish suf-

ficient asbestos shingles, size about

18x16 in., hexagonal, commonly

known as 2/16-in. thickness shingles,

mottled grey or other approved color,

to cover 212 squares of roofing, com-

plete with sufficient rigid asbestos

single starter, six approximately

4x16-in., of same thickness and color

as the shingles, to lay 1657 lineal feet,

and sufficient rigid asbestos triangular

shingle starters of same thickness and

color as the shingles, to lay 1657 line-

al feet, and including 30,000 copper

storm anchors of approved pattern

and 600 pounds of 2-in. galvanized

needle point nails, or 25% more or less

at the option of the Government.

BERKELEY, Cal.—Dinwiddie Con-

struction Co., Crocker Building, San

Francisco, desires sub-bids on all por-

tions of the work in connection with

the Berkeley Postoffice, bids for which

will be opened November 6.

Complete Bid Listing—(Low Bidder

previously Reported).

REPAIRS Cost, \$—

SAN FRANCISCO. Presidio.

Repairs to tank house at the U. S.

Marine Hospital.

Owner—United States Government.

Plans by Supervising Architect, Treas-

ury Dept., Washington, D. C.

Low Bidder—Fred D. Turner, 212

Anita Ave., Burlingame, at \$2347.

Complete Bid Listing

Fred D. Turner.....\$2347

Frank J. Reilly, San Francisco..... 2343

Roy Lind, San Francisco..... 2384

J. F. Reilly and John Grace, S. F. 3127

Clancy Bros., San Francisco..... 3203

Clinton Constr. Co., S. F..... 3260

Young & Horstmeier, S. F..... 3747

San Francisco Constr. Co., S. F..... 4810

John Bettencourt, S. F..... 4815

BOISE, Idaho—Until November 24,

2:30 P. M., bids will be received by

the Supervising Superintendent of

Construction, U. S. Veterans' Hospi-

tal, Palo Alto, Calif., for furnishing

and installing complete at the Veterans'

Hospital, Boise, Idaho, one aerating

tank, pump house, pumps and piping.

This work will include excavating,

backfilling, brickwork, reinforced con-

crete work, erection of one 30,000 gal-

lon wood stave tank with acartin

device, concrete foundations, pipe,

valves, fittings, etc., also the installa-

tion of one direct connected motor

driven vertical deep well pump and

two horizontal direct connected motor

driven booster pumps, two chlorina-

tors and scales and plumbing and

electrical work. Plans are obtainable

from the Superintendent of Construc-

tion at Palo Alto.

SACRAMENTO, Cal.—Until Nov. 2,

3 P. M., under Circular Proposal No.

32-123, Specifications No. 3759-1861-4

CLR, bids will be received by U. S.

Engineer Office, California Fruit Bldg.

to furnish and deliver miscellaneous

castings, etc. Specifications and fur-

ther information obtainable from the

above office.

MARCH FIELD, Riverside Co., Cal.

Col. W. C. Gardenhire, Constructing

Quartermaster, March Field, has re-

jected bids received Oct. 13 for a

combined gymnasium and theatre

building to be erected at March Field.

The job will probably be re-advertised

at a later date. The building will be

a one-story structure, 203x135 feet in

area, and will contain a gymnasium,

theatre, locker and shower rooms and

toilets; steel frame construction, steel

roof trusses.

SAN FRANCISCO, Cal.—Until Nov-

ember 9, 10 a. m., under Circular No.

928-32-97, bids will be received by

Quartermaster Supply Officer, Gen-

eral Depot, Fort Mason, to furnish

and deliver 2,720 gallons olive drab

paint. Specifications obtainable from

above.

SAN FRANCISCO, Cal.—Until November 9, 10 a. m., under Circular No. 928-22-37, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver miscellaneous office supplies—paper, shipping tags, pencils, penholders, etc. Specifications obtainable from the above office.

BERKELEY, Alameda Co., Cal.—K. E. Parker Co., 135 South Park, San Francisco, desires sub-bids on all portions of the work in connection with the Berkeley Post Office for which bids will be opened November 6.

HALLS AND SOCIETY BUILDINGS

Preparing Working Drawings.
CLUB BLDG. Cost, \$600,000
SAN FRANCISCO, NE Taylor and Post Streets.
Six-story Class A club building.
Owner—Bohemian Club.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.
More details will be given later.

Sub-Contracts Awarded.
ADDITION Cont. Price, \$29,072
BERKELEY, Alameda Co., Cal. No. 2001 Alston Way.
Two-story and basement frame and brick addition for gymnasium.
Owner—W. M. C. A., 2001 Alston Way, Berkeley.
Architect—W. H. Ratcliff, Chamber of Commerce Bldg., Berkeley.
Contractor—David Nordstrom, 354 Hobart St., Oakland
Brick—Herschel & Reinecke, 830 E. 11th St., Oakland.
Sheet Metal—Dixon & Holbrook, 2180 Dwight Way, Berkeley.
Glass—East Bay Glass Co., 621 Sixth St., Oakland.
Mill Work—Oakland Planing Mill, Inc., Second and Washington Sts., Oakland.
Duraflex Flooring—Gunn, Carle & Co., 444 Market St., San Francisco.
Steel Sash—Michel & Pfeffer Iron Works, Harrison and 10th Sts., San Francisco.
Plastering—Thorndike & Towne, 2450 E. 21st St., Oakland.
Tile Work—Rigney Tile Co., 3012 Harrison St., Oakland.
Other awards reported October 9, 1931.

To Ask Bids Within One Week.
CLUB HOUSE Cost, \$13,000
OROVILLE, Butte Co., Cal.
One-story frame and stucco club house (auditorium, lounging room, tea rooms, retiring rooms, etc.; tile roof).
Owner—Monday Club, Oroville.
Architect—Cole & Brouhard, Chico.

Plans Being Prepared.
CLUB Cost, \$16,000
SAN LUIS OBISPO, Cal. El Camino Real.
New club house.
Owner—Monday Club.
Plans by N. J. Hanak, Bakersfield High School, Bakersfield.

Preliminary Plans Approved. Working Drawings Started.
COMMUNITY CENTER Cost, \$650,000
SAN FRANCISCO, California St. and Presidio Ave.
Two-story and basement reinforced concrete community center.
Owner—Jewish Community Center. Sidney M. Erhman, Chairman, 68 Post St., San Francisco.
Architects—Hyman & Appleton, 68 Post St. and Arthur Brown, Jr., 251 Kearny St., San Francisco.

Building will contain gymnasium, swimming pool, handball courts, auditorium, theatre, club rooms, lecture hall, game rooms, lounge rooms and kitchen.

HOSPITALS

Plans Being Figured—Bids Close Oct. 31 2 P. M.

FRESNO, Fresno Co., Cal.
Furnish and install certain furnishing and equipment for the Tubercular Annex at the County General Hospital.
Owner—County of Fresno, D. M. Barnwell, County Clerk, Fresno.
Architect—Not Given.
Certified check 10% required with bid. Specifications obtainable from the county purchasing agent at Fresno.

SAN FRANCISCO—H. L. Petersen, 731 Treat Ave., desires sub-bids on all portions of the work in connection with the Excelsior Emergency Hospital, for which bids will be opened November 4th.

Bids Opened.
HEALTH CENTER Cost, \$—
SAN FRANCISCO, Grove and Polk Streets.
Plumbing, mechanical equipment, electric work and elevator installation in Health Center Building.
Owner—City and County of San Francisco, S. J. Hester, Secretary of the Board of Public Works.
Following is a complete list of the bids received:

Mechanical Equipment	
Scott Co., 243 Minna St.	\$36,938
Herman Lawson	37,800
Mechanical Contracting Co.	38,060
F. W. Snook	38,434
J. A. Nelson	39,338
C. Petersen	39,970
Anderson & Rowe	39,995
Alta Elec. & Mech. Co.	40,870
G. A. Schuster	41,257
Electrical Work	
Alta Elec. & Mechanical Co., 938 Howard St.	\$58,349
L. Matland	58,900
Raecliffing Bros.	59,200
Lynn & Droit	59,350
Butte Elec. & Equip. Co.	60,325
Decker Electric Co.	62,926

Plumbing	
Anderson & Rowe, 45 Belcher St.	\$59,965
F. W. Snook	60,200
Scott Co.	61,723
Herman Lawson	63,000
Turner Co.	65,570
C. Petersen Co.	69,244
Mechanical & Equip. Co.	69,880
E. Sugarman	70,845
Elevator Installation	
Otis Elevator Co., 1 Beach St.	\$19,669
Spencer Elevator Co.	20,770
Pacific Elevator & Equip. Co.	21,650

Bids held under advisement.

Contracts Awarded. Fixtures and Linoleum.
STOCKTON, San Joaquin Co., Cal.
Furnish and install lighting fixtures and linoleum in county hospital.
Owner—County of San Joaquin, Eugene Graham, county clerk, Stockton.
Architect—Not Given.
Fixtures
Hild Electric Co., 125 W. Main St., Stockton.....\$2,528
Lifeum
McLean Hardwood Floor Co., Sutter and Hazelton, Stockton.....\$8,450

TUCSON, Ariz.—C. J. Rhoads, Commissioner of Indian Affairs, announces

that plans for the San Xavier Mission station have been approved and that work on the project will be under way in a short time. There will be a hospital building, doctors' quarters, garage, and sewer and water system. Appropriation for the work is \$125,000. C. H. Shiveley, 2210 S. Sixth ave., Tucson, will supervise construction.

Bids Wanted To Close Nov. 16, 11 A. M.
ALTERATIONS, ETC. Cost, \$—
SAN JOSE, Santa Clara Co., Cal.
County Hospital Grounds.
Alterations and additions to lavatory unit at Tubercular Pavilion at County Hospital.
Owner—County of Santa Clara, Henry A. Pfister, County Clerk.
Architect—Binder & Curtis, 535 W. San Carlos St., San Jose.

Contract Awarded.
HOME Cost, \$250,000
LOS ANGELES, Cal. No. 11,725 Beverly Blvd.
Two and three-story Class A reinforced concrete rest home (234x254 ft.; reinforced concrete roof, hollow tile partitions).
Owner—Eastern Star Homes of Calif., 621 S. Hope St., Los Angeles.
Architect—Wm. Mosser Co., Monadnock Bldg., San Francisco, and Train & Cressey, 321 W. Third St., Los Angeles.
Contractor—K. R. Bradley Constr. Co., 1833 W. Pico St., Los Angeles.

Completing Plans—Contract Awarded
HOSPITAL Cost, \$—
BRENTWOOD, Los Angeles Co., Cal.
Class A concrete hospital (32 rooms; steam heat, refrigeration; 96x114 feet).
Owner—C. L. Russell.
Plans by Contractor.
Contractor—Fickett & Collins, 172 N. La Brea St., Los Angeles.
Plans will be completed within one week.

Completing Preliminary Plans.
INDIGENTS' HOME Cost, \$100,000
SACRAMENTO, Sacramento Co., Cal., Franklin Blvd.
One-story Indigents' Home (brick exterior walls, tile roof), Spanish style.
Owner—County of Sacramento.
Architect—Harry Devlin, California State Life Building, Sacramento.

Preparing Working Drawings
NURSES' HOME Cost, \$3,500
YUBA CITY, Sutter County, Cal.
One-story frame and stucco nurses' home (accommodations for six), wood shingle roof, heat from main hospital.
Owner—County of Sutter.
Architect—Otto Dieckmann, 110 Sutter St., San Francisco.
Bids will be asked in about three weeks.

Plans Being Figured—Bids close Nov. 4, 2:30 p. m.
ELECT-PLUMBING Cost, \$—
SAN FRANCISCO, Onondago Ave. and Alemany Blvd., electric work and plumbing in connection with Excelsior Emergency Hospital.
Owner—City and County of San Francisco, S. J. Hester, secretary, Board of Public Works.
Plans by Bureau of Architecture, Board of Public Works, Chas. H. Sawyer in charge, 2nd floor, City Hall.

The electric work is estimated to cost \$25,000, and the plumbing \$9,000. Certified check 10%, payable to Clerk of the Board of Supervisors, required with bid. Plans obtainable from the Bureau of Architecture, 2nd floor, City Hall.

Proposed Bidders
CONTAGIOUS WARD. Cost, \$50,000
 FIELDS & Co., Fresno Co., Cal.
 One-story and basement brick or reinforced concrete contagious ward at County Hospital.
 Owner—County of Fresno, D. M. Barnwell, county clerk.
 Architect—Swartz and Ryland, Brick Bldg., Fresno, Cal.
 Following contractors have secured plans:

General Work

Linck & Allen, Merced.
 Inman & Hopkins, 269 N. Fulton St., Fresno.
 W. J. Ochs, 405 Clark St., Fresno.
 E. J. Heffner, 252 N. Broadway, Fresno.
 Miller & Dean, Madera.

Brick Work

J. M. Brown, 2406 Webster St., Fresno

Plumbing and Heating

Victor J. Cox, 2820 Tulare St., Fresno
 A. M. Goeddel, 461 N-Fresno St., Fresno.
 Barrett Hicks Co., 1031 Broadway, Fresno.
 G. W. Cole, 1214 Terrace St., Fresno.

Electric

Robinson Electric Co., 136 N-Van Ness Ave., Fresno.
 Electric Construction Co., 1228 H St., Fresno.

Terra Cotta Tile Roofing

Faris-Osborne Co., 720 Fulton St., Fresno.
 C. E. McMullin Co., 1225 Broadway, Fresno.

Lathing and Plastering

Fred M. Low, 3244 Alta St., Fresno.
 M. E. Summers, 1837 Merced St., Fresno.
 Wm. Smart.

Mill Work

Fresno Planing Mill, H and Monterey Sts., Fresno.
 Hollenbeck-Bush Planing Mill, Van Ness and Lorena Sts., Fresno.

Floor Covering

C. E. McMullin Co., 1225 Broadway, Fresno.

Tile Flooring and Tile Wainscot

Fresno Marble & Tile Co., 1511 O St., Fresno.
 C. E. McMullin Co., 1225 Broadway, Fresno.

Painting

W. F. Lyons, 3545 Nevada St., Fresno
 E. A. Ozbourn, 446 Abby St., Fresno.
 Joe Stretter, 624 Brown St., Fresno.
 Bids are to be opened Nov. 10, 10 A. M., and are being taken for a brick and also for a concrete building.

Sub-Contracts Awarded
HEALTH CENTER Cost, \$248,979
 SAN FRANCISCO. Polk and Grove Streets.

General construction for 4-story and basement reinforced concrete Class A health center, emergency hospital and office building.

Owner—City and County of San Francisco, S. J. Hester, Sec'y., Board of Public Works.

Architect—S. Helman, 57 Post Street, San Francisco.

Structural Engineers—Ellison & Russell, Pacific Bldg., San Francisco.

Contractor—H. L. Peterson, 731 Treat Ave., San Francisco.

Marble—George Marble Co., 605 Market St.

Orn. and Misc. Iron—Fair Mfg Co., 617 Bryant St.

As previously reported:

Wracking, Grading and Bulkheading—Sibley Grading and Tumbling Co., 165 Landers St.

Rein. Steel—Concrete Engineering Co., 1230 Indiana St.

Mill Work—National Mill & Lumber Co., 230 California St.

Bids Opened.

LAUNDRY BLDG. Cost, \$—
TALMAGE, Mendocino Co., Cal. State Hospital grounds.

One-story reinforced concrete laundry reinf. conc. foundations, floors and walls; wood stud partitions, steel and wood roof framing and clay tile roof).

Owner—State of California.

Architect—Chas. E. Perry, 417 E. Sacramento St., Vallejo.

Mechanical Engineer—A. R. McLeran, Hearst Bldg., San Francisco.

Following is a complete list of bids received:

General Work

The Minton Co., 243 Hamilton Ave., Palo Alto.....\$20,576
 I. M. Sommers, San Francisco.....20,840
 Frank Cress, Oakland.....21,940
 A. Nelson, San Francisco.....22,370
 Empire Construction Co., S. F.....23,500
 R. Hodgson, Porterville.....23,550
 Mercer Fraser Co., Eureka.....23,875
 Petaluma Construction Co., Petaluma.....24,577
 Sam Eyre, Tracy.....25,503
 F. J. Maurer, Eureka.....27,900
 J. P. Brennan, Redding.....28,415
 Frank LaPorte, Ukiah.....29,991
 Estimate.....28,961

Heating

Pacific Heating and Ventilating Co., 2059 Webster St., Oakland.....\$1,525
 H. W. Salls, Ukiah.....1,700
 Fred. Snook, San Francisco.....1,776
 Ukiah Plumbing and Heating Co., Ukiah.....1,771
 W. H. Robinson, Chico.....2,110
 George Bell, Oakland.....2,363
 Estimate.....2,775

Combined Plumbing and Heating

Turner Co., San Francisco.....\$3,523
 H. W. Salls, Ukiah.....4,125
 Ukiah Plumbing and Heating Co., Ukiah.....4,722
 Carpenter & Mendenhall, Sacramento.....4,750
 Carl T. Doell, Oakland.....4,761
 Pearey & Moll, Oakland.....4,813
 W. H. Robinson, Chico.....4,833
 Estimate.....4,125

Electric Work

Superior Electric Co., Phelan Building, San Francisco.....\$1,880
 W. B. Baker, San Francisco.....1,989
 Geo. Woolf, Oakland.....1,990
 Karl Stolling, Santa Rosa.....2,124
 Roy M. Butcher, San Jose.....2,150
 Matson-Seabrooke Co., Oakland.....2,193
 Turner Co., San Francisco.....2,482
 Decker Electric Co., S. F.....2,506

Plumbing

H. W. Salls, Ukiah.....\$2,425
 J. A. Fazio, Oakland.....2,465
 W. H. Robinson, Chico.....2,723
 Ukiah Plumbing and Heating Co., Ukiah.....2,951
 Fred. Snook, San Francisco.....3,085
 Estimate.....1,350
 Bids held under advisement.

Sub-Contracts Awarded

ORPHANAGE Cont. price, \$196,666
 SACRAMENTO, Sacramento Co., Cal. Franklin Blvd.

Two-story and basement reinforced concrete orphanage (parochial school, dormitory, etc.)

Owner—St. Patrick's Orphanage, Grass Valley.

Architect—Harry J. Devine, California State Life Ins. Bldg., Sacramento.

Contractor—Azevedo & Sarmiento, 920 O St., Sacramento.

Plumbing and Heating: F. A. McIntyre, 2922 35th St., Sacramento.

Rein. Steel and Steel Sash: Thomas P. Scollan, 2320 X St., Sacramento.

Painting: Wilcoxon & Wilson, 1724 34th St., Sacramento.

Plastering: Thomas F. Scollan, 2919 T St., Sacramento.

Brick Work: W. J. Clifford, 2815 S St., Sacramento.

Sub-bids are being taken on other

portions of the work.

(4413) 1st report Jan. 17; 14th report Sept. 28, 1931.

Sub-Contracts Awarded

WARD BLDG., ETC. Cont. Price, \$74,333

ELDRIDGE, Sonoma Co., Cal.

One-story ward building and one-story addition to school (ward building will have reinforced concrete foundations, floors, walls and partitions, roof of wood frame covered with clay tile. School addition to have reinforced concrete foundation and exterior walls, wood floors, wood frame roof covered with clay tile).

Owner—State of California.

Architect—Powers & Ahnden, 605 Market St., San Francisco.

Contractor—William Spivock, Hobart Bldg., San Francisco.

Concrete Materials: Pacific Coast Aggregates Co., 85 Second St., San Francisco.

Lumber: Napa Lumber Co., Napa.

Rein. Steel: Pacific Coast Steel Co., 20th and Illinois Sts., San Francisco.

Steel Forms: Concrete Engineering Co., 1280 Indiana St., San Francisco.

Sheet Metal: Superior Metal Products Co., 4400 Market St., Oakland.

Structural Steel: Judson Pacific Co., 609 Mission St., San Francisco.

Steel Sash: Michel & Pfeiffer Iron Works, Harrison and 10th St., San Francisco.

Tile: Sacramento Tile & Marble Co., 3560 Y St., Sacramento.

Roofing: United Roofing Co., 142 Stillman St., San Francisco.

Glass: W. P. Fuller Co., 301 Mission St., San Francisco.

Hardwood Floors: Ideal Floor Co., 666 Mission St., San Francisco.

Painting: Jos. J. Burdon, 2059 Webster St., Oakland.

As previously reported:

Plumbing: J. A. Fazio, 402 Castro St., Oakland, \$6,166.

Electrical: Decker Electrical Const. Co., 528 Bryant St., San Francisco, \$2,704.

Heating: F. W. Snook Co., 596 Clay St., San Francisco, \$8,640.

Plans Being Figured—Bids close Nov. 4, 2:30 p. m.

PREVENTORIUM Cost, \$—
 REDWOOD CITY, San Mateo Co., Cal.

Pulgas Tunnel. Second unit of Tuberculosis Preventorium (frame and stucco construction, tile roof)

Owner—City and County of San Francisco, S. J. Hester, secretary.

Board of Public Works.

Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

Bids are wanted for plumbing and gas fitting, estimated cost \$15,000; electrical work, \$10,000, and mechanical equipment, \$20,800. Certified check 10%, payable to Clerk of the Board of Supervisors, required with bid.

Plans obtainable from the Bureau of Architecture, 2nd floor, City Hall.

Sub-Contracts Awarded.

PREVENTORIUM Cost, \$80,375

REDWOOD CITY, San Mateo Co., Cal.

Three frame and stucco preventorium buildings with tile roofs.

Owner—City and County of San Francisco, S. J. Hester, Sec'y., Board of Public Works.

Architect—H. H. Meyers, Kohl Bldg., Contractor—R. C. Stickie, South San Francisco.

Structural Steel—Schrader Iron Works

1247 Harrison St., San Francisco.

Reinforcing Steel—Pacific Coast Steel

Co., 20th and Illinois Sts., S. F.

Ornamental Iron—Patterson & Koster Iron Works, 280 13th St., San Francisco.
Other awards will be made shortly.

HOTELS

Plans Being Figured. Bids Close Nov. 11th.

REMOTEL HOTEL. Cost, \$30,000
SALINAS, Monterey Co., Cal., 117 Main St.

Remodel two-story hotel (wood studs, and joists, brick exterior walls), add 45 baths.

Owner—Franciscan Hotel, 117 Main St., Salinas.

Architect—H. H. Winner, 15 Steuart St., San Francisco.

Work involves finish carpentry, rough carpentry, lathing and plastering, masonry work, plumbing, electric, metal windows, ventilating, tile work, painting and finishing.

Bids are being taken on a general contract.

ICE AND COLD STORAGE PLANTS

SAN FRANCISCO—Until November 10, bids will be received by Bureau of Supplies and Accounts, Navy Department, Washington, D. C., under Schedule No. 6790 to furnish and install one refrigerator display case. Further information obtainable from Navy Purchasing Office, 100 Harrison St., San Francisco.

POWER PLANTS

To Ask Bids Within One Week.

SUB-STATION. Cost, \$3000
Total cost, incl. equip., \$100,000
VALLEJO, Solano Co., Cal. Foot of Kentucky Street.

One-story reinforced concrete sub-station, (55x33 ft.; concrete roof, covered with tar and gravel).

Owner—Vallejo Electric Light & Power Co., Vallejo.

Plans by W. A. Jones, 403 Alameda St., Vallejo.

Bids will be taken on a general contract basis.

As previously reported grading contract awarded to T. McGill of Vallejo.

Sub-Contracts Awarded.

SUB-STATION. Cont. Price, \$11,597
BERKELEY, Alameda Co., Cal.

Campus of University of California

One-story reinforced concrete sub-station.

Owner—University of California.

Architect—Not Given.

Contractor—George J. Maurer, 50 York Drive, Oakland.

Plumbing—Carl T. Doell, 467 21st St., Oakland.

Mill Work—Sunset Lumber Co., 400 High St., Oakland.

Reinforcing Steel—Pacific Coast Steel Co., 20th and Illinois Sts., S. F.

Ornamental and Miscellaneous Iron—Liberty Ornamental Iron Works, 21st and Filbert Sts., Oakland.

Roofing—Western Roofing Co., 1737 Telegraph Ave., Oakland.

Sheet Metal—Central Sheet Metal Works, 2847 Hannah St., Oakland.

Plastering—Arthur Aston, 1144 Glen-dora Ave., Oakland.

Glass—W. P. Fuller Co., 259 Tenth St., Oakland.

LOS ANGELES, Cal.—General Electric Corp. was awarded the contract by city purchasing agent at \$9876 for furnishing two G. E. type, F. H. 205-B, 2000-amp., 15,000-volt, 750,000-K. V. A., oil circuit breakers, f. o. b. 1630 N. Main St., for department of water and power, under Specification No. 2619.

Contract Awarded.

TOILET BUILDING. Cost, \$4—
LOS ANGELES, Cal. No. 394 Boyle Avenue.

Class A reinforced concrete power house (40x60 ft.); concrete roof, steel sash.

Owner—White Memorial Hospital, 304 Boyle Ave., Los Angeles.

Architect—Clinton B. Nourse, 700 Western Mutual Life Bldg., Los Angeles.

Contractor—C. I. Swinhart, 1642 Garth Ave., Los Angeles.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

SAN JOSE, Santa Clara Co., Cal.—City council proposes to give site to state on which to construct new \$50,000 armory building. Site is located in North Second street adjoining the Sainte Claire Club. The transfer, however, must be approved by the voters.

Plans Being Figured—Bids Close Nov. 2 P. M. (previously reported Nov. 15)

WAR MEMORIAL. Cost, \$5,000,000
SAN FRANCISCO, Civic Center.

Ornamental iron for four-story and basement concrete Class A Veterans' Building and 6-story Class A Opera House, seating 4000; standing room 500.

Owner—City and County of San Francisco (S. F. War Memorial).

Architects—C. A. Lansburgh, 140 Montgomery St. and Arthur Brown Jr., 251 Kearny St., S. F.

Managers of Construction—Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.

Bids Opened.

PARTITIONS. Cost, \$800
SAN FRANCISCO, Kearny and Washington Street.

Install marble toilet and shower partitions in women's prison at the Hall of Justice.

Owner—City and County of San Francisco, S. J. Hester, secretary board of Public Works.

Architect—Plans by Bureau of Architecture, Chas. H. Sawyer, chief, 2nd floor City Hall.

Following is complete list of bids:

Jos. Musto Sons Keenan Com-	.....\$495
pany, 535 North Point	
Eisele & Dondero	.....760
G. M. Eastman	.....797

Bids held under advisement.

Additional Sub Contracts Awarded
COURT HOUSE CONT. Price, \$148,500

SAN JOSE, Santa Clara Co., Calif.

Rebuilding county courthouse destroyed by fire (using the present brick walls and foundations) and construct an additional story of steel frame and concrete construction (tile roof, steam heating system).

Owner—County of Santa Clara, Henry A. Pfister, county clerk.

Architect—Binder & Curtis, 35 West San Carlos St., San Jose.

Structural Engineer—Wm. Lotz, 1040 Benton St., San Jose.

Contractor—W. J. Ochs, American Trust Co. Building, San Jose.

Sheet Metal—Edgar Anderson, 3103 San Pablo Ave., Oakland.

Plastering—H. Gould, Mt. View.

Painting—A. Anderson, 231 Comper St., Palo Alto.

Plastering contract was previously awarded to Chris Berg, 330 Market St., San Francisco. Contract was rescinded and re-awarded to H. Gould of Mt. View.

Other sub contracts reported Oct. 13, 1931.

To Ask Bids in One Week

FIRE STATION. Cost, \$22,000
WOODLAND, Yolo Co., Cal.

Two-story frame and stone, fire department building in connection with city hall plant (dormitory to accommodate 10), Spanish style.

Owner—City of Woodland.

Architect—Chas. Dean, Sacramento.

Bids Opened

ELEVATOR. Cost, \$—
SAN JOSE, Santa Clara Co., Calif.

Install elevator in County Courthouse.

Owner—County of Santa Clara, Henry A. Pfister, county clerk.

Architect—Binder & Curtis, 35 W. San Carlos, San Jose, Calif.

(1) add for steel cab.

(2) deduct for omitting mechanical dial system.

(3) allowance for present elevator.

Following is a complete list of the bids received.

Pacific Elevator & Equipment
Co., 45 Rauch St., S. F.\$5,471

(1) 800

(2) 140

(3) 100

Spencer Elevator Co., S. F.\$5,633

(1) 325

(2) 140

(3) 100

Otis Elevator Co., S. F.\$5,951

(1-a) add for wood cab 450

(2) 306

(3) 152

(4) 575

Alternate bid 5,664

Bids held under advisement.

Bids Opened.

SEC. PARTITIONS. Cost, \$40,000
LOS ANGELES, Cal.

Furnish and install sectional partitions (wood and glass) for State Office Building.

Owner—State of California.

Architect—State Department of Public Works, Division of Architecture, Public Works Bldg., Sacramento (Geo. B. McDougall, state Architect).

The work will include all sectional partitions, closets, counters, gales, railings, etc., required for dividing and equipping the office space from first to ninth floors inclusive.

Following is a complete list of the bids received.

(1) job complete for sectional partitions.

(2) installation of wood closets, counters, gales and special wood cabinets.

Wheat Cabinet & Fixture Co.,
1741 E. 15th St., Los Angeles(1) \$19,677

(2) 9067

Pacific Mfg. Co., Santa
Clara(1) 20,985

(2) 8,062

Cowan Showcase & Fix-
ture Co., L. A.(1) 21,000

(2) 8,062

Commercial Fixture Co.,
L. A.(1) 20,544

(2) 10,750

Petersen Showcase Co.,
L. A.(1) 27,000

(2) 13,158

Weber Showcase Co., L. A. (1) 32,697

(2) 16,235

J. Niederer, L. A.(1) 39,685

(2) 18,570

Vernon Fixture & Cabinet
Co., L. A.(1) 41,470

(2) 2,056

Bids held under advisement.

RESIDENCES

Contract Awarded.

RESIDENCE. Cost, \$13,000
OAKLAND, Alameda Co., Cal. Contra Costa Road.

Two-story and basement frame and stucco residence (9 rooms, 2 baths,

steam heating system, gas burner, electric refrigeration, colored tile baths and kitchen, hardwood floors and trim.

Owner—E. O. Solon, 1921 Broadway, Oakland.

Architect—Douglas Stone, Great Western Power Bldg., Oakland.
Contractor—Lundgren & Swinerton, Inc., 225 Bush St., San Francisco.

Preparing Sketches.
RESIDENCE Cost, \$8,500
BERKELEY, Alameda Co., Cal., Country Club Acres.

Two-story and basement frame residence (shingle roof, gas heat).

Owner—Mr. Martorotti.
Architect—E. L. Snyder, 2101 Addition St., Berkeley.

Plans Being Completed.
RESIDENCE Cost, \$5,000
SAN FRANCISCO, Cal., N. W. Andover and Highland Aves.

One-story and basement frame and stucco residence (5 rooms, composition and tile roof, colored tile bath and kitchen, hardwood floor, gas heat).

Owner—A. Franzen, Highland Ave.
Architect—Not Given.
Sub bids will be taken within a few days.

BERKELEY, Alameda County, Cal.—Dinwiddie Construction Co., Crocker Bldg., San Francisco, desire sub-bids on all portions of the work in connection with the University of California gymnasium for which bids will be opened November 7, 11 a. m.

Plans Completed.
RESIDENCE Cost, \$9,000
SAN FRANCISCO, Cal., Monterey Blvd.

Two-story and basement frame and stucco residence (9 rooms, 2 baths), composition and tile roof, gas heat, hardwood floors and trim, and kitchen, colored tile baths.

Owner—Patrick Hallisy, 335 Monterey Blvd.
Architect—Plans by B. K. Dobkowitz, 425 Monterey Blvd.

Owner will handle construction on a day's work basis.

Sub Bids Being Taken.
RESIDENCE Cost, \$5,000
SAN FRANCISCO, N. Admiral St., 55 E. Alemany Blvd.

Two-story frame and stucco residence (6 rooms; tile and composition roof, gas heat, hardwood floors and trim, colored tile baths and kitchen).

Owner and Builder—Jessie Horn, 5044 Mission St., San Francisco.
Plans by B. K. Dobkowitz, 425 Monterey Blvd., San Francisco.

Sub Bids Being Taken.
RESIDENCE Cost, \$8,500
SAN FRANCISCO, Cal., Westwood Highlands.

One story and basement frame and stucco residence (7 rooms), part tile and composition, roof, gas heat, wood sash, electric refrigeration, hardwood floors and trim, colored tile bath and kitchen.

Owner—Name Withheld.
Architect—Chas. Strothoff, 2274 15th St.
Contractor—Stoneson Bros., 279 Yerba Buena Ave.

Bids In Held Under Adversement.
RESIDENCE Cost, \$15,000
HILLSBOROUGH, San Mateo Co., Cal. Two-story and basement frame and stucco residence, 8 rooms, 2 baths, shingle roof, gas heat, hardwood floors, colored tile baths and kitchen.

Owner—E. L. Bristow, 532 W. Poplar St., San Mateo.
Architect—Willis Polk Co., 277 Pine St., San Francisco.
(7003) 1st rep. Oct. 21, 1931.

Additional Sub-Contracts Awarded.
RESIDENCE Cost, \$11,000
BERKELEY, Alameda Co., Cal. The Uplands.

Two-story and basement frame and stucco residence (Spanish tile; 8 rooms, 3 baths, Spanish tile roof, gas heating system).

Owner—M. Tonjes, 5863 Birch Court, Berkeley.

Architect—Not Given.
Contractor—Beckett & Wight, 722 Scenic Ave., Berkeley.

Roofing—Mastercraft Tile & Roofing Co., 120th St., Richmond.

Painting—Blomgren Bros., 1927 Russell St., Berkeley.

Tile—Rigney Tile Co., 3012 Harrison St., Oakland.

Flooring—Rich Oak Floor Co., 622 Scenic Ave., Oakland.

Millwork—Oakland Planing Mill, Inc., Second and Washington, Oakland.
Other awards reported August 26.

Sub-Bids Being Taken.
RESIDENCE Cost, \$10,000
SAN FRANCISCO, Forty-seventh Ave. and Geary St.

Two-story and basement frame and stucco residence (8 rooms, 2 baths composition and tile roof, gas heating, colored tile baths, kitchen etc.)

Owner & Builder—Kiernan & O'Brien, Alexander Bldg., S. F.
Architect—Albert H. Larsen, 447 Sutter St., San Francisco.

Completing Plans.
RESIDENCE Cost, \$7,000
SAN FRANCISCO, Forty-seventh Ave. and Geary St.

One-story and basement frame and stucco residence (6 rooms; composition and tile roof, gas heat, colored tile bath and kitchen).

Owner & Builder—Kiernan & O'Brien, Alexander Bldg., San Francisco.
Architect—Albert H. Larsen, 447 Sutter St., San Francisco.
Sub-bids will be taken about Nov. 2.

Painting Contract Awarded
RESIDENCE Cost, \$25,000
SAN FRANCISCO, Jackson St. near Presidio Ave.

Two-story and basement frame and stucco and brick veneer residence (steam heating gas burner).

Owner—Bruce Cornwall, 2301 Pacific Avenue.

Architect—Willis Polk & Co., 277 Pine Street.

Contractor—A. F. & C. W. Mattock, 212 Clara St.

Painting: A. A. Zelinsky & Co., 4420 California St., \$1,000.

Other awards reported Sept. 5th.

Sub-Contracts Awarded.
RESIDENCE Cost, \$10,000
SAN FRANCISCO, S Monterey Blvd. near San Aliso.

Two-story and basement frame and stucco residence (8 rooms, 2 baths) tile roof, gas heating system, hardwood floors, colored tile baths and kitchen).

Owner—J. and E. Koster, 821 Market St., San Francisco.

Architect—Doëge Riedy, 821 Market St., San Francisco.

Contractor—Henry Papenhausen, 595 Victoria St., San Francisco.

Concrete—P. Donnelly, 302 23rd Ave., San Francisco.

Brick Work—Wm. Heidenreich, 1250 10th Ave., San Francisco.

Lumber—Mission Lumber Co., 1305 Valencia St., San Francisco.

Heating and Sheet Metal—Atlas Heating & Ventilating Co., 557 4th St., San Francisco.

Tile Work—Mangrum Holbrook Co., 1235 Mission St., San Francisco.

Plastering—Johnson & Campbell, Ashton Ave., San Francisco.

Iron Work—Patterson & Koster Iron Works, 280 13th St., S. F.

Electric Wiring—Galvin Bros.

Painting—Reliable Painting Co., 3247 19th St., San Francisco.

Sub-bids are wanted on mill work, tile roofing and glass.

Contract Awarded.
RESIDENCE Cost, \$16,000
HILLSBOROUGH, San Mateo Co., Cal.

Two-story and basement frame and stucco residence (10 rooms and 4 baths; shingle roof, gas heating system).

Owner—George Robbins.

Architect—W. W. Wurster, 260 California St., San Francisco.

Contractor—Meese & Briggs, 1425 Broadway, Burlingame.

SANTA ROSA, Sonoma Co., Cal.—Until November 3, 5 P. M., bids will be received by Ney L. Donovan, city clerk, to raze and remove old dwelling in the Juilliard Park property. Certified check or cash 10% required with bid.

Construction Postponed Indefinitely.
RESIDENCE Cost, \$70,000
PALO ALTO, Santa Clara Co., Cal.

Two-story and basement frame and stucco residence (tile roof; swimming pool; library; maid's quarters; considerable landscaping).

Owner—Mrs. Madeline Meyer.
Plans by Austin Pierpont, Ojai Ave., Ojai, Calif.

Contractor—Wm. Short, 2121 Waverly St., Palo Alto.

Plans Being Prepared.
RESIDENCE Cost, \$22,000
SAN FRANCISCO, Western Addition

Two-story and basement frame and stucco residence (8 rooms and 3 baths; slate roof, gas steam heating system, electrically equipped kitchen, electric refrigeration, hardwood floors and trim, colored tile baths and kitchen).

Owner—Withheld.
Architect—Albert H. Larsen, 447 Sutter St., San Francisco.
Bids will be asked December 1st.

Plans To Be Prepared.
RESIDENCE Cost, \$5,000
LAKEPORT, Lake Co., Cal.

Residence (type of construction not determined).

Owner—V. H. Pinckney, President South African Dispatch Line, 233 Pine St., San Francisco.

Architect—William & Wastell, 374 17th St., Oakland.

H. V. Mick, Soda Bay, will do the landscape work.

Plans Being Prepared—Contract Awarded.

RESIDENCE Cost, \$8,500
SAN FRANCISCO, Cal., Westwood Highlands.

One story and basement frame and stucco residence (7 rooms), part tile and composition, roof, gas heat, wood sash, electric refrigeration, hardwood floors and trim, colored tile bath and kitchen.

Owner Name Withheld.

Architect—Chas. Strothoff, 2274 15th St.

Contractor—Stoneson Bros., 279 Yerba Buena Ave.

Sub bids will be taken in about one week.

Plans Being Prepared.
RESIDENCE. Cost, \$5000
 SAN FRANCISCO. N. Admiral St. 35
 E. Alameda Blvd.
 Two-story frame and stucco residence
 (6 rooms; tile and composition
 roof, gas heat, hardwood floors
 and trim, colored tile baths and
 kitchen).
 Owner and Builder—Jessie Horn,
 5944 Mission St., San Francisco.
 Plans by R. K. Dolnikowicz, 425 Mon-
 terey Blvd., San Francisco.
 Sub-bids will be taken in a few days

SCHOOLS

Preparing Sketches.
COLLEGE. Approx. \$300,000
 SAN FRANCISCO. Turk St. and Ma-
 sonic Ave.
 Reinforced concrete women's college.
 Owner—Sisters of Sacred Heart Col-
 lege.
 Architect—H. A. Minton, 525 Market
 St., San Francisco.
 Proposed project is in a very pre-
 liminary stage.

CENTERVILLE, Alameda Co., Cal.
 —Until November 6, 8 P. M., bids will
 be received by F. V. Jones, secretary,
 Washington Union High School Dis-
 trict, to furnish and install 777 oper-
 ation chairs in the auditorium of the Wash-
 ington Union High School. Certified
 check 10% payable to district required
 with bid. Per diem wage scale pre-
 vailing for this project follows: Car-
 penter, \$3; any craft not specially
 mentioned, \$4; overtime, time and a
 half; legal holidays and Sundays,
 double time.

SAN FRANCISCO—General Electric
Co., Russ Bldg., at \$280 per set awarded
 contract by City Purchasing
 Agent, under Proposal No. 751, to
 furnish 10 electric welding motor gen-
 erator sets and accessories complete
 for the School Department.

LAKEPORT, Lake Co., Cal.—Sim
Chapman of Lakeport is conferring
 with interests who are organizing a
 company to finance construction of a
 military academy on the Walden prop-
 erty west of the Lower Lake High-
 way. The site comprises 40 acres.
 Additional land in the vicinity will be
 leased for parade grounds, airport,
 etc.

BERKELEY, Alameda Co., Cal.—K.
E. Parker Co., 135 South Park, San
Francisco, desires sub-bids on all por-
 tions of the work in connection with
 the University of California gym-
 nasium for which bids will be opened
 November 7, 11 A. M.

Painting Contract Awarded.
SCHOOL. Cost, Price, \$162,000
BERKELEY, Alameda Co., Cal.
 Two-story, reinforced concrete primary
 school and one-story reinforced
 concrete academic dining hall (20
 classrooms).

Owner—State of California.
 Architect—Charles Roth, 1404 Frank-
 lin St., Oakland.
 Contractor—K. E. Parker, 135 South
 Park, San Francisco.

The primary school building is two
 stories with reinforced concrete founda-
 tions, walls, floors, metal stud par-
 titions, steel and concrete roof frame,
 and clay tile roof. The academic din-
 ing hall is one-story with reinforced
 concrete foundations, walls, floor, con-
 crete roof framing and clay tile roof.
 Painting—R. P. Paoli & Co., 3159 Fill-
 more St., San Francisco.

Other awards will be made shortly.
 As previously reported, electric work
 awarded to Alta Elec. & Mechanical

Co., 328 Howard St., S. F., at \$14,485;
 plumbing to Mechanical Contracting
 Co., 938 Howard St., S. F., at \$14,485;
 heating and ventilating to Atlas Elec.
 & Mechanical Co., 938 Howard St., S.
 F., at \$16,960.

Preparing Plans.
HIGH SCHOOL. Cost, \$200,000
LOS ANGELES, Cal. Tracy and
 George Streets.
 Twelve unit classroom building and
 an auditorium.

Owner—Los Angeles City School Dist.
 Architect—George M. Lindsey, Union
 Insurance Bldg., Los Angeles.
 Mechanical Engineer—L. S. Reynolds,
 Los Angeles.

Prospective Bidders.
GYMNASIUM. Cost, \$1,000,000
BERKELEY, Alameda Co., Cal.
 Campus of the University of Cali-
 fornia.

Two-story and basement Class A steel
 frame and concrete men's gym-
 nasium, gymnasium type hardwood
 oors, composition, rock, asphalt
 and gypsum roofing, steel sash,
 etc.

Owner—University of California.
 Architect—George W. Kelham, 315
 Montgomery St., San Francisco.

General Work
 Clinton Constr. Co., 923 Folsom St.
 MacDonald & Kahn Co. Ltd., 200
 Financial Center Bldg., S. F.
 K. E. Parker Co., 135 South Park,
 San Francisco.
 Dinwiddie Constr. Co., 1101 Crocker
 Bldg., San Francisco.
 Barrett & Hilp, 918 Harrison St.,
 San Francisco.

Lindgren & Swinerton, Inc., 625
 Standard Oil Bldg., San Francisco.
 Roscoe W. Littlefield, 337 17th St.,
 Oakland.

R. E. Campbell, 711 Central Bldg.,
 Los Angeles.

Anderson & Ringrose, 320 Market
 St., San Francisco.

H. Mayson, 9315 S-Hooper Ave., Los
 Angeles.

Schuler & McDonald, Inc., 1723 Web-
 ster St., Oakland.

J. F. Shepherd, 406 1st National
 Bank Bldg., Stockton.

Mechanical Work
 Pearey & Moll, 1075-77 40th St.,
 Oakland.

The Turner Co., 329 Tehama St., San
 Francisco.

Lohman Bros., 323-234 S-Spring St.,
 Los Angeles.

James A. Nelson, Inc., 1375 Howard
 St., San Francisco.

Howe Bros., 1198 S-San Pedro St.,
 Los Angeles.

Mechanical Contracting Co., 81-83
 Shipley St., San Francisco.
 C. Petersen Co., 380 6th St., S. F.

Electric Work
 The Turner Co., 329 Tehama St., San
 Francisco.
 Mechanical Contracting Co., 81-83
 Shipley St., San Francisco.

Contract Awarded.
OUT BUILDINGS. Cost, \$752
CALPELLA, Mendocino Co., Cal.
 Erect woodshed and toilet (separate
 bids for building and plumbing
 and fixtures)

Owner—Geological Survey District,
 Wm. H. Hesse, Clerk, Calappa.

Contractor—Ellis G. Gschwend, Ukiah.
 Complete Bid Listing

E. G. Gschwend, Ukiah.....\$752

Harry Mercer, Ukiah.....817

Frank La Porter, Ukiah.....848

Robt. C. Collins, Upper Lake.....943

Low Bidders.
GYMNASIUM. Cost, \$—
LOS ANGELES, Cal. No. 5101 E. Sixth
 Street.

Class B brick gymnasium (hardwood
 and cement floors).

Owner—Los Angeles City School Dist.
 Architect—Geo. M. Lindsey and E. P.
 Brown, Union Insurance Bldg., Los
 Angeles.

General Work—Erick Flodine, 2921
 Wellington Road, Los Angeles, at
 \$61,000.

Electric—Geo. L. Patterson, 822 Wall
 St., Los Angeles, at \$1313.

Plumbing—Conney & Winterbottom,
 2125 Hunter St., Los Angeles, at
 \$7880.

Heating and Ventilating—Thomas
 Haverly Co., 314 E. 8th St., Los
 Angeles, at \$7048.

Painting—L. Reitman, 2923 W. Sixth
 St., Los Angeles, at \$3170.

Completing Plans.
ADD TO SCHOOL. Cost, \$100,000
LOS ANGELES, Cal. No. 7676 S. San
 Pedro Street.

Two-story brick and hollow tile high
 school addition (65x131 ft), and 1-
 story shop (70x140 ft.)

Owner—Los Angeles City School Dist.
 Architect—Edwin Bergstrom, Citizens
 National Bank Bldg., Los Angeles
 Bids will be asked shortly.

To Ask Bids In About One Week.
SPECIAL FIXTURES. Cost, \$35,000
SANTA BARBARA, Cal. Santa Bar-
 bara Junior High School.

Special fixtures for Junior High School
 installation of wall cases, tables,
 etc.

Owner—Santa Barbara Junior High
 School District.

Architect—W. H. Weeks, 525 Market
 St., San Francisco.

Bids will also be advertised for ap-
 proximately 600 steel lockers at the
 same time.

Sub-Contracts Awarded
HEATING, Etc. Cost, price, \$22,324
STOCKTON, San Joaquin Co., Cal.

Interior finish and heating plant for
 new building on the Prevocational
 School grounds.

Owner—City of Stockton, Ansel S.
 Williams, secretary, Board of Edu-
 cation, Lindsay and San Joaquin
 Sts., Stockton.

Architect—Losekann & Cloudsley, 309
 Exchange Bldg., Stockton.

Contractor—George Roek, 1724 W.
 Cornell St., Stockton.

Mill Work: Electric Planing Mill,
 Hazleton and Monroe, Stockton.

Painting: Henry Wolters, 1233 College
 Ave., Stockton.

Concrete: F. Kains, E. Main St.,
 Stockton.

As previously reported:
 Electric: Collins Electric Co., 708 E.
 Market St., Stockton, \$3,413.

Plumbing and Heating: Paul-Harry
 Co., 427 E. Channel St., Stockton,
 \$7,804.

Bids Wanted to Be Opened Nov. 10,
 8 p. m.

ELECTRIC CLOCKS. Cost, \$—
ST. HELENA, Napa Co., Cal.

Furnish and install electric program
 clocks and fire alarm system for
 grammar school.

Owner—St. Helena Union School Dis-
 trict, A. J. Laurent, clerk.

Architect—Wolfe & Higgins, 19 North
 2nd St., San Jose.

Cn previous call for bids following
 were submitted:

International Time Recording Co.,
 529 Market St., San Francisco, \$624

Standard Electric Time Co., S. F., 729

Telechron Co., S. F., 895

SACRAMENTO, Cal.—Architects
 William Coffman, Forum Bldg.; Chas.
 Dean, California State Life Bldg., and
 Harry Devine, California State Life
 Bldg., all of Sacramento, have been
 selected by the Board of Education
 to prepare plans for the three new

junior high schools to be erected under the recently voted \$1,116,000 bond issue. The particular school to be designed by each architect will be determined at an early meeting of the Board of Education, of which Chas. C. Hughes is secretary. Each structure will provide accommodations for about 1,000 pupils.

One school will be built at Sacramento Boulevard and Tenth Ave. on a site now being purchased by the city board of education and would care for seventh, eighth and ninth grade pupils south of Stockton Boulevard and Second Ave. and east of Franklin Boulevard.

The second will be in the eastern part of the city to care for the junior high school population east of Alhambra Boulevard and north of Stockton Boulevard and Second Ave.

The third will be built on a location presumably not far from the present Crocker School to serve the Homeland-Curtis Park district.

OAKLAND, Alameda County, Cal.—November 17, 4 p. m., (postponed from October 27) bids will be received by John W. Edgemond, secretary, Board of Education, Administration Building, E. 10th St. and 2nd Ave., to furnish and install program and electric clock system in the Fremont High School located on 45th and Foothill Blvd.

Contract Awarded.
SCHOOL Cost, \$8000
BERKELEY, Alameda Co., Cal. No. 1710 Carleton Street.
One-story frame and stucco school (8 rooms).

Owner—Berkeley Japanese Church.
Plans by Richard Weiss, 6280 Acacia St., Oakland.
Contractor—W. J. Baker, 2255 Sansome Ave., Oakland.

Preparing Plans.
ADDITION Cost, \$106,000
LOS ANGELES, Cal. Normandie and 165th Streets.
Eight-classroom addition (physical educational building).
Owner—Los Angeles City School Dist.
Architect—A. S. Nibeker Jr., Los Angeles.
Heating Engineers—Holmes & Sanborn, Los Angeles.

To Ask Bids Shortly.
COLLEGE BLDG. Cost, \$125,000
RIVERSIDE, Riverside Co., Cal.
Two-story and basement reinforced concrete etomology building (100 by 70 feet).
Owner—University of California.
Architect—G. Stanley Wilson, 3646 Ninth St., Riverside.

BANKS, STORES & OFFICES

CHICO, Butte County, Cal.—Building occupied by Montgomery Ward & Co., 2nd and Wall Sts., destroyed by fire October 21. The loss, including contents, is estimated at \$100,000.

Contract Awarded.
ADDITION Cost, \$6000
SAN JOSE, Santa Clara Co., Cal.
Fifth St. near Santa Clara St.
Addition to type 3 business building.
Owner—Franco Bros. Market, Frem.
Architect—Not Given.
Contractor—F. L. Hoyt, 495 S-13th St., San Jose.

Being Done by Day's Work.
REMODEL MARKET Cost, \$25,000
OAKLAND, Alameda Co., Cal., Grand and Webster Sts.
Remodel and renovate reinforced concrete market (12 departments).

Owner—Grand Webster Building Corp.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Lessee—City Properties, Inc., 1736 Franklin St., Oakland.
Concrete Flooring—Douglas & Wolfe, Premises.

Segregated bids are wanted on refrigerator counters, display cases, and for grading and macadamizing 18,000 square feet for parking zone.

Contract Awarded.
STORE Cost, Approx., \$25,000
OAKLAND, Alameda Co., Cal. Thirtieth Ave. and E-14th St.
Two-story and basement brick store (asbestos flat roof, steam heating system, pine floors).
Owner—Mr. Craig.
Architect—Williams & Wastell, 374 17th St., Oakland.
Contractor—Chas. Heyer, Mills Bldg., San Francisco.

Sub-Contracts Awarded.
STORE Cost, \$10,000
PALO ALTO, Santa Clara Co., Cal. No. 2011 El Camino Real.
One-story Class C reinforced concrete store (part tile and composition roof).
Owner—Campbell & Rapp, 247 High St., Palo Alto.
Plans by G. B. Moore.
Contractor—George B. Moore, 531 Stanford Ave., Palo Alto.
Lumber—McHenry-Chelm Lumber Co., 481 Cambridge St., Palo Alto.
Rock, sand and Cement—Steve Anderson & Son, 601 Park Blvd., Palo Alto.
Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Sts., S. F.

Plans Being Figured—Bids Close Oct. 31, 2 P. M.
STORE Cost, \$10,000
SAN JOSE, Santa Clara Co., Cal. Julian and San Pedro Sts.
One-story rein. concrete store (Johns-Manville roof, concrete and wood flooring).
Owner—John S. Hayden.
Architect—W. E. Higgins, Realty Bldg., San Jose.

SACRAMENTO, Cal.—Guth & Fox, 1514 27th St., Sacramento, desires sub-bids on all portions of the work in connection with the State Printing Plant Addition, for which bids will be opened Nov. 3, 2 P. M., at Sacramento.

Contract Awarded—Sub-Bids Being Taken
REMODEL BLDG. Cost, \$20,000
STOCKTON, San Joaquin Co., Cal. Main and American Sts.
Remodel two stories of five-story brick building (new fixtures, alterations in all departments).
Owner—Katten & Marengo, 535 E. Main St., Stockton.
Plans by Frank Guyon.
Contractor—Frank Guyon, 1211 E. Main St., Stockton.
Original plans for the building were prepared by Davis Pearce Co., Grant and Weber Sts., Stockton. Mr. Guyon revised the plans slightly.

Plans Being Figured. Bids Close Oct. 30th, 2 p. m.
STORE AND LOFT Cost, \$30,000
SAN MATEO, San Mateo Co., Cal. Third Ave.
Two-story and basement rein. concrete store and loft building. (Pabco roof, freight elevator, maple floors).
Owner—Martin Stelling and J. Gould, 355 Montgomery St., San Francisco.
Architect—Bertz, Winter & Maury, 210 Post St., San Francisco.
Lessee—J. J. Newberry Co.

Clinton Stephenson Construction Co. Clay and Montgomery Sts., San Francisco, redigging the above job and would like sub bids on all portions of the work.

Plans Being Figured
STORES Cost, \$6,500
SAN JOSE, Santa Clara Co., Cal. First and San Antonio Sts.
Remodel ground floor of hotel for stores.
Owner—Hotel Montgomery.
Architect—Binder & Curtis, 35 W. San Carlos, San Jose.

Plans Completed.
STORE & GREENHOUSE Cost, \$8,000
COLMA, San Mateo Co., Cal.
One-story frame and stucco store and greenhouse (100x40 ft.); cement and tile floors, tile and glass roof.
Owner—A. Bertucci, Colma, Cal.
Architect—Chas. Strothoff, 2274 15th St., San Francisco.
General contract bids will be taken in about two weeks.

THEATRES

PASADENA, Los Angeles Co., Cal.—Electrical Research Products, Inc., 7046 Hollywood Blvd., Hollywood, awarded contract at \$20,000 by Pasadena Board of City Directors for furnishing sound picture and public address equipment to be installed in the new municipal auditorium.

WHARVES AND DOCKS

Contract Awarded
ROLLING DOCKS Cont. Price \$5823
SAN FRANCISCO. Extension to Pier 38, foot of First St.
Twelve steel rolling docks.
Owner—State of California (Harbor Board).
Engineer—Frank White, Ferry Bldg., San Francisco.
Contractor—J. G. Wilson Corp., 26 O'Farrell St.

SACRAMENTO, Cal.—Until November 5, 3 P. M., under Order No. 3341-Stk.106, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver in water at Venice Island, San Joaquin River, 240 Douglas fir piling, each 40 ft. long (approx. 9600 lin. ft.).

Alternative bids will be received for delivery f. o. b. railroad cars at point specified by bidder.
Specifications obtainable from above

SANTA CRUZ, Santa Cruz Co., Cal.—City Commissioner Alvin Weymouth has reported to the city council that \$20,000 will be required to repair the municipal pier.

MISCELLANEOUS CONSTRUCTION

RENO, Nev.—Bids will be asked at once by E. H. Beemer, county clerk, to install a refrigerating plant and electric light plant for the new county fish hatchery at Galena Creek. Specifications and further information obtainable from the county clerk at Reno.

SAN FRANCISCO, CALIF.—Michel & Pfeffer Iron Works, Inc., Harrison and Tenth Sts., at \$2,541, awarded contract by Playground Commission to construct fencing and back-stop at the Margaret S. Hayward Playground, Golden Gate Ave. and Gough St., and for fencing one tennis court at the Bayview Playground, Third and Armstrong Sts.

Contract Awarded.

ADDITION Cost, \$3000
SAN FRANCISCO. No. 2254 Market.
 Addition to funeral parlor.
 Owner—A. J. Sullivan, 2254 Market
 St., San Francisco.
 Plans by owner.
 Contractor—R. Madsen, 234 Ocean
 Ave., San Francisco.

Sub-Bids Wanted
BORDER STATION

Cont. Price, \$7764
HORN BROOK, Siskiyou Co., Cal.
 One-story rustic border station.
 Owner—State of California.
Architect—George B. McDougall, State
 Architect, Public Works Building,
 Sacramento.
Contractor—T. B. Goodwin, 2950 Di-
 visadero St., San Francisco.
 Sub-bids are wanted on all portions
 of the work.

Sub-Contracts Awarded.

DEPOTS Cost, \$8500 each
CRISSENT MILL & GREENVILLE,
 Plumas Co., Cal.
 Two two-story frame and rustic freight
 and passenger depot.
 Owner—Western Pacific R. R. Co.,
 Mills Bldg., San Francisco.
 Plans by Eng. Dept. of Owner, H. M.
 Smitten in charge.

Contractor—N. H. Sjöberg & Son, Call
 Bldg., San Francisco.

Lumber—Chas. R. McCormick Lumber
 Co., 215 Market St., San Francisco
Masonite Wallboard—J. H. Gauthier
 Corp., 96 Townsend St., San Fran-
 cisco.

Painting—Raphael Co., 270 Tehama
 St., San Francisco.

Electric—S. L. Hancock, 2580 Fruit-
 vale Ave., Oakland.

Roofing—Fred Hayden, 369 Stockton
 St., San Jose.

Reinforcing Steel—Gunn, Carle & Co.,
 Ltd., 444 Market St., San Fran-
 cisco.

Window Shades—D. N. & E. Walter,
 562 Mission St., San Francisco.

Plastering—James F. Smith, 271 Mina-
 na St., San Francisco.

Finish Hardware—E. M. Hundley, 662
 Mission St., San Francisco.

Mill Work—Lannom Bros. Planing
 Mill, 5th and Magnolia Sts., Oak-
 land.

Iron—Mortenson Constr. Co., 608 In-
 dian St., San Francisco.

Other awards will be made within
 one week.

Contract Awarded.

ELECTRIC EQUIP. Cont. Price, 333
ALBANY, Alameda Co., Cal.
 Furnish and install electrical equip-
 ment for flood lighting in double
 tennis courts at city park.
 Owner—City of Albany (Park Com-
 mission, P. A. McCormack, Secre-
 tary), Albany.

Architect—Not Given.
Contractor—Kerr & Clifford, 3525 E-
 14th St., Oakland.

Following is a complete list of bids:
Kerr & Clifford, Oakland, \$333
City Improvement Co., Oakland, 339
Scott-Buttner Co., Oakland, 437
George Woolf, Oakland, 522

Plans Being Figured—Bids Close Nov.
 2, 7:30 P. M.

LAVATORY BLDG. Cost, \$—
SALINAS, Monterey Co., Cal. Alisal
 and Front Streets.

Construct lavatory in Lincoln Park.
 Owner—City of Salinas, M. R. Keef,
 City Clerk.

Architect—Not Given.

Certified check 10% payable to city
 required with bid. Plans on file in
 office of city clerk.

CARMEL, Monterey Co., Cal.—Di-
 rectors of the Forest Theatre Associa-

tion contemplate the construction of
 several tennis courts on the Forest
 Theatre property. Estimates for such
 construction will be secured at once.

PACIFIC GROVE, Monterey Co.,
 Cal.—City council contemplates \$40,000
 bond issue to finance construction of
 a 9-hole municipal golf course includ-
 ing the installation of a lawn sprink-
 ler system.

SAN FRANCISCO, Cal.—Sudden
 Lumber Co., Evans and Quint Sts.,
 were awarded the lumber contract by
 F. C. Amoroso & Sons, Wallace and
 Keith Sts., in connection with the
 construction of the Lincoln Way Viaduct
 in connection with the Sunset
 Boulevard project. Other awards re-
 ported October 21.

Commissioned to Prepare Plans.

MAUSOLEUMS Cost, \$150,000
SANTA ROSA, Sonoma County, Cal.
 Concrete mausoleum, marble and
 bronze interior.
 Owner—United Mausoleum Co. (E. B.
 Perrin).

Architect—F. H. Stacombe, 3830 Har-
 rison St., Piedmont.
 Financing arrangements are now
 being made.

Preparing Working Drawings.

MONUMENT, ETC. Cost, \$150,000
SAN FRANCISCO. Telegraph Hill.
 Development of Telegraph Hill (monu-
 ment, concrete approaches, con-
 crete ornamental fence, steps,
 landscaping, etc.).

Owner—City and County of San Fran-
 cisco.

Architect—Arthur Brown, Jr., 251
 Kearny St., San Francisco.

Bids will be asked in about three
 weeks.

Gasoline taxes provided, in the first
 six months of 1931, a net revenue of
 \$246,373,000 which is to be used prin-
 cipally for road purposes, according
 to information collected from State
 authorities by the Bureau of Public
 Roads of the U. S. Department of
 Agriculture. Nearly 7,118,000,000 gal-
 lons were taxed, an increase of 4% per
 cent over the same period last year.

Consumption of gasoline increased
 in 36 States and decreased in 12
 States. On the basis of the figures
 for the half year it is estimated that
 the gasoline tax will yield a revenue
 exceeding a half-billion dollars for
 the full year.

The tax is now imposed in every
 State. Only 8 States increased the
 rate of tax within the six-months
 period. Two others made increases
 effective in July and August.

The total revenue derived was al-
 located as follows: Construction and
 maintenance of State highways, \$158,-
 332,000 or 64 per cent; for local roads,
 \$48,417,000 or 20 per cent; State and
 county bond payments, \$18,860,000 or
 7 1/2 per cent; city streets, \$10,157,000
 or 4 per cent and the remainder of
 \$10,607,000 or 4 1/2 per cent for col-
 lection costs and miscellaneous items.

The compaction of earth fills as af-
 fected by the type and size of haulage
 and other equipment is the subject of
 a joint investigation by the American
 Road Builders' Association and the
 Highway Research Board. F. H.
 Jackson, Highway Research Board,
 Washington, D. C., is chairman of the
 committee and A. K. Haxston, as-
 sistant engineer, American Road
 Builders' Association, is secretary. The
 investigation includes the effects of
 both wheel and crawler types of haul-
 age equipment on soils of various
 kinds in embankments, the action of
 resilient truck tires and steel tires,

the relation of wheel diameter to area
 of contact, and optimum moisture
 content and the degree of compaction to pro-
 duce maximum compaction. Simple
 tests from samples to determine rela-
 tive and absolute compaction will be
 outlined. It is thought that these
 studies will improve methods of fill
 construction, giving minimum settle-
 ment, economy and lessened pavement
 maintenance costs.

Among recent trends in building
 construction is the rapid introduction
 of lightweight materials, the efficient
 use of which permits appreciable sav-
 ings in total building costs. Further-
 more, the heat and sound insulating,
 fireproofing and acoustical properties
 of many of these products are espe-
 cially good. Most of these materials
 are directly related to the mineral in-
 dustry and a series of reports de-
 scribing their manufacture, prop-
 erties, and uses is now being prepared
 by H. Herbert Hughes, Building Ma-
 terials Section, United States Bureau
 of Mines, Department of Commerce.

The first of these papers is a gen-
 eral summary of the entire field. The
 rapidly growing importance of home
 insulation is stressed; the advantages
 of sound-proofing, acoustical treat-
 ment, and fireproofing in all types of
 construction are pointed out; and sev-
 eral examples of unusual architectural
 treatment of buildings are mentioned.
 Various lightweight building materials
 now on the market are discussed
 briefly.

Succeeding reports will be devoted
 to a detailed description of an in-
 dividual material or group of materials.
 The tentative outline for the series
 includes burned shale aggregates, cin-
 der concrete, slag concrete, sawdust
 concrete, aerated concrete, natural
 volcanic rocks, gypsum products, ceram-
 ic products, and mineral wool.

The Bureau will welcome sugges-
 tions relating any phase of the study.
 Communications regarding these re-
 ports should be addressed to the
 United States Bureau of Mines,
 Washington, D. C.

Plants of the Universal Atlas Ce-
 ment Co. at Northampton, Pa., Leeds,
 Ala., and Independence, Kan., have
 gone through the first nine months of
 1931 without a lost-time accident, ac-
 cording to Gordon C. Huth, safety di-
 rector of the company. Mr. Huth also
 reports that the Hannibal Connecting
 Railroad, a Universal Atlas property,
 has gone without an accident since
 July, 1929.

vision of the American Road Build-
 ers' Association will continue its ac-
 tivities to assist county officials in
 establishing and maintaining county
 highway work on the highest plane of
 usefulness, according to Chas. Grubb,
 engineer-executive. Its five general
 committees have selected subjects of
 practical importance relating to one
 or more of the nine points or special
 aims of the division: Favorable legis-
 lation; comprehensive plans co-ordinat-
 ed with state plans; increased county
 programs; better business methods;
 competent supervision; standard con-
 struction; regular and systematic
 maintenance; complete publicity of
 county operations; and active co-
 operation with other official and un-
 official agencies and associations pro-
 moting better roads.

The personnel of the committees is
 made up of experienced and well
 qualified county officials from all parts
 of the country, who act as individuals
 or as representatives of state associa-
 tions of county officials. Their active
 participation gives assurance
 that the reports will contain conclu-
 sions of value to county officials gen-
 erally.

Engineering News Section

BRIDGES

MARYSVILLE, Yuba Co., Cal.—Yuba County supervisors have voted to purchase \$10,000 of the bonds of the Sutter-Yuba Joint Highway District to aid in financing construction of the Knights landing draw bridge. Yolo and Sutter Counties will share in the cost, estimated at \$200,000.

SAN RAFAEL, Marin Co., Cal.—County Surveyor Rodney Messner is preparing plans to repair the platform bridge crossing the Nicasio Creek, the bridge at Thompson's Ranch on the Red Hill road and a bridge at the Gustafson Ranch on the Indian Valley road in Road District No. 5.

OAKLAND, Cal.—Until November 5, 8:30 p. m., bids will be received by W. W. Chappell, city clerk, to construct concrete culvert in right-of-way east of Seminary Ave., in Block 5 of Chevrolet Park. Project involves: 179 lin. ft. 8 ft. by 6-in. by 10-ft. concrete arch culvert.

Plans on file in office of the city clerk. Walter N. Frickstad, city engineer.

GILROY, Santa Clara Co., Cal.—Wm. Radtke, Gilroy, at \$4,450 awarded contract by city council to reconstruct reinforced concrete bridge in North Monterey St.

SANTA BARBARA COUNTY, Cal.—State Highway Commission on October 21 accepted contract of Neves and Harp, Santa Clara, for repairing bridge across Santa Ynez River about one mile south of Bullton, Santa Barbara county.

STOCKTON, San Joaquin Co., Cal.—Until November 9th, 11 A. M., bids will be received by Eugene Graham, county clerk, for constructing a new floor on county bridge, involving approximately 8,000 feet of lumber. Estimated cost \$3,000. Julius Manthey, county surveyor. 20

MERCED COUNTY, Cal.—Thermotte Construction Co., 580 Stockton Ave., San Jose, at \$30,098 awarded contract by State Highway Commission to construct three timber bridges near Los Banos, one consisting of five 19-ft. spans, one consisting of sixteen 19-ft. an double existing of twenty 19-ft. spans. Complete list of unit and total bids published in issue of October 23.

LOS ANGELES, Cal.—W. D. Armstrong, county bridge engineer, Hall of Records Bldg., completes plans for the bridge over the entrance to Alamitos Bay. Bids will be asked shortly by the county supervisors for the work to complete with the exception of structure steel which will be let separately. The bridge will serve both vehicular and pedestrian traffic, and the Pacific Electric Ry. The structure will be a wood pile trestle, 466 feet long, with steel girders carrying the railroad tracks. The bridge will be 40 feet between curbs, with a 5-foot walk on each side. The work will require about 250 50-foot treated piling. The construction will be entirely in Orange county, but jurisdiction has been granted to Los Angeles county. The bridge will connect Ocean Blvd. in

Long Beach with Ocean Ave. in Seal Beach.

BERKELEY, Alameda Co., Cal.—Martin Murphy, 1321 Milvia St., Berkeley, at \$2126 submitted low bid to Board of Education for construction of monolithic reinforced concrete transition sections and concrete culvert in Strawberry Creek on grounds of Burbank Junior High School gymnasium building. Complete bids follow:

Martin Murphy, Berkeley.....	\$2126
G. Ferraldez, Oakland.....	3137
A. Suda & Sons, Oakland.....	3302
J. H. Fitzmaurice, Oakland.....	3447
Lee J. Immel, Berkeley.....	3570
P. C. Stoltz, Oakland.....	3580
Schnoor Bros., Oakland.....	3759
J. T. Clinch, Richmond.....	4640

Bids held under advisement.

DREDGING, HARBOR WORKS & EXCAVATIONS

MARYSVILLE, Yuba Co., Cal.—Until November 5, 3 P. M., under Circular No. 32-97, Specifications No. 3738, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, for raising and strengthening of an existing levee along the Western Pacific Railway on the east side of Reclamation District No. 10, extending northward approximately 14,000 feet from the railway crossing of Nigger Jack Slough, which is about 1 mile north of the town of Marysville. Plans obtainable from above office.

LONG BEACH, Cal.—F. D. O'Neal, 332 South St., Long Beach, submitted low bid to city manager at \$14,192.50 for the excavation and construction of dirt, gravel and oiled foundations for six steel tanks to be erected on Alamitos Hill for the water department. The furnishing and erecting of the tanks will be by separate contract. Bids were taken on the following items:

(1) Moving of reservoir, lump sum, \$1,475; (2) 33,000 yds. excav., per yd. 14.75c.

STREET LIGHTING SYSTEMS

WHITTIER, Los Angeles Co., Cal.—Until 7:30 p. m., November 9, bids will be received by city council to construct a two-way cable for the ornamental lighting system in Greenleaf Ave. and in Hadley St. Specifications obtainable from M. R. Bowen, city engineer. Mrs. Debbie E. Allen, city clerk.

MACHINERY AND EQUIPMENT

PASADENA, Los Angeles Co., Cal.—Herberts Machinery Co., 2929 Santa Fe Ave., Los Angeles, awarded contract at \$1700 by board of education for furnishing three machine lathes.

ALHAMBRA, Los Angeles Co., Cal.—Until 9 a. m., November 3, new bids will be received by the city commission for furnishing a street sweeper. The bids received October 13 were rejected October 20.

ALUM ROCK, Santa Clara Co., Cal.—Until November 9, 8 P. M., bids will be received by Joseph H. Bone, Clerk, Alum Rock School District, for purchase of a used school bus. Specifications obtainable from clerk. Bids to be filed at Pala School.

SAN FRANCISCO—General Electric Co., Russ Bldg., at \$280 per set awarded contract by City Purchasing Agent, under Proposal No. 751, to furnish 10 electric welding motor generator sets and accessories complete for the School Department.

MODESTO, Stanislaus Co., Cal.—Miller Auto Co., Sacramento, at \$1,557 awarded contract by Modesto High School District to furnish 3-ton school bus chassis. Wm. B. Gibson, Ltd., San Francisco, awarded contract to furnish all-metal body with non-shatterable glass at \$2,013.

OAKLAND, Cal.—Eby Machinery Co., 35 Main St., San Francisco, at \$3,985.65 awarded contract by East Bay Municipal Utility District to furnish one 4-cylinder 30 h.p. tractor with blade scraper.

SAN DIEGO, Cal.—Standard Iron Works, foot of Beardsley St., San Diego, awarded contract by Public Works Office, 11th Naval District, at \$350 for structural repairs to Hammer-Head crane at the Naval Operating Base (Destroyer Base), San Diego; Specifications No. 6732. National Iron Works, Inc., bid \$599.

SACRAMENTO, Cal.—Yuba Mfg. Co., Benicia, at \$400 awarded contract by U. S. Engineer Office, Sacramento, to furnish and install traveling crane and Euclid-Armington Corp., Euclid, Ohio, at \$484 awarded contract to furnish one geared trolley and hoist, under Circular No. 64. Following is a complete list of bids received:

Item 1, 1 traveling crane; 2, 1 geared trolley and hoist.
Euclid - Armington Corp., Euclid, Ohio, item 1, \$480, and alts. \$290 and \$180; 2, \$484.

Thomson-Diggs Co., Sacramento, item 1, alts. \$262.20 and \$211.90; 2, \$667.80; 2%.

Yuba Mfg. Co., Benicia, Cal., item 1, \$400, accepted and alt. \$280; 5%.

Bodinson Mfg. Co., Inc., San Francisco, item 1, \$495; 2%.

Stockton Iron Works, Stockton, Cal., item 1, \$425.

Golden State and Miners' Iron Works, San Francisco, item 1, \$591.

Wright Mfg. Co., San Francisco, item 1, \$555.21, and alts. \$455 and \$298; 2, 776; 2%.

Link Belt Co., San Francisco, item 1, \$485.

Harnischfeger Sales Corp., San Francisco, item 1, \$258 alt., 2, \$762.

BERRYESSA, Santa Clara Co., Cal.—Until November 10, 8 P. M., bids will be received by Done E. Tuttle, Clerk, Berryessa Union School District, to furnish one Model AA Ford truck chassis, complete with Model No. 86-208C P. & C. Coach, full leather upholstery, fifty to fifty-five grammar school capacity. Bidders to bid two ways: Job complete, with allowance for used school bus; also job less all tires and accessories equip-

ment, with allowance for used school bus.

RAILROADS

ALAMEDA, Alameda Co., Cal.—Bids will be called by the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, about November 1 for constructing Unit No. 3 of the improvements at Government Island, Alameda. Unit No. 3 is for the construction of a spur track. Plans, which are being completed by the Chief Engineer, C. H. Sweetser, involve the following:

- (1) Furnishing rails and track materials as follows:
 - 93½ tons of 128-lb. grooved girder rail;
 - 3.3 tons of 128-lb. grooved girder rail, curved to radii of 175 lin. ft.
 - 4.3 tons of 149-lb. grooved girder rail.

- 110 pairs joint bar with bolts, etc.
- 3200 lb. plates 8x11 shoulder type.
- 24 kegs track spikes, 9-16x5½.
- 70 7-8x5 ft. 3-in. tie rods.
- (2) Laying rails and track construction as follows:
 - 1500 cu. yds. grading.
 - 2638 lin. ft. laying, lining and surfacing track.
 - 1200 tons ballast (crushed rock or gravel).
 - 1600 cross ties 7x8x5, hewed redwood.
 - 1230 lin. ft. removing and salvaging existing track.

SAN FRANCISCO—Southern Pacific R. R., 65 Market St., seeks permit from the Board of Supervisors to construct spur tracks in fifteen streets in the southern section of the city. The district embraced is that section east of Third street, between Candlestick Point and Hunters Point.

FIRE EQUIPMENT

SAN MATEO, San Mateo Co., Cal.—City council rejects bids to furnish motor driven fire engine. The purchase has been delayed until next spring.

SAN FRANCISCO—Until November 19, 10 A. M., under Circular No. 928-32-90, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish 20,000 ft. braided water hose, ¾-in. dia.; complete with ¾-in. cast brass coupling, bolted on; 50-ft. lengths.

PIPE LINES, WELLS, ETC.

VENTURA, Ventura Co., Cal.—Until 10 a. m., November 17, bids will be received by county supervisors to construct 36-in. reinforced concrete pipeline, 1450 ft. in length, with concrete catch basin and timber bulkhead, on Cavin Road, about 4 miles east of Fillmore. Cash Contract No. 767. Chas. W. Petit, county surveyor. F. L. Halliwell, county clerk.

LOS ANGELES, Cal.—Walls-Dove Hemiston Corp., awarded contract at \$4320 by city purchasing agent for all pipe coating material items (excepting item 6 which was rejected) under Specifications No. 2635.

SPADRA, Los Angeles Co., Cal.—Until November 6, 2 p. m., informal bids will be received by State Department of Public Works, Public Works Bldg., Sacramento, for drilling and testing a water well at the State Hospital at Spadra.

SEWERS AND SEWAGE DISPOSAL PLANTS

OROVILLE, Butte Co., Cal.—Until November 10, 2 p. m., bids will be received by C. F. Belding, county clerk, to construct concrete sewage disposal works and accessories connected therewith at the Butte County Infirmary near Oroville. Certified check 10 per cent required with bid. Plans obtainable from J. A. Baumgarner, county road engineer, at Oroville.

LAGUNA BEACH, Orange Co., Cal.—An election to vote on a \$180,000 bond issue for sewers and a treatment plant at Arches Beach will be held November 30. Preliminary plans have been prepared by the Currie Engineering Co., Anderson Bldg., San Bernardino, and provide for approximately three miles of trunk lines, a pumping plant to handle the sewage of a city of 10,000 population, and a complete treatment plant housed in one building. The system will probably cost \$150,000, leaving a margin for future developments. Frank Gowan is the city engineer of Laguna Beach.

MESA, Ariz.—Arizona Concrete Co., Phoenix, submitted low bid at \$41,004.84, using cement pipe for constructing sewer and water system extensions for the City. O. F. Fisher, Phoenix, Arizona, low at \$42,402.25 using vitrified sewer pipe. Bids were taken under advisement and contract is to be awarded November 5. Morse Engineering Co., Drew Bldg., Mesa, engineer.

OXNARD, Ventura Co., Cal.—Fairbanks, Morse & Co., Los Angeles, awarded contract by city council at \$1104.75, with an allowance of \$200 on old equipment, for furnishing one 8-in. single-stage, double-suction pump, and one 75-h.p. direct-connected motor, for the city water department.

LOS ANGELES, Cal.—Kemper Construction Co., Ltd., 3701 Overland Ave., Los Angeles, submitted the low bid to board of public works at \$149,852.30 (based on type II construction) for the construction of Section No. 1, Wilmington intercepting sewer, south of Anaheim.

The low bid on type I was submitted by Rebeck & Brich at \$186,173.

The list of quantities follows:

Type I—Precast Reinforced Concrete Pipe Sewer

- (1) Item A—3293.15 ft. 4-in. precast reinf. concrete pipe sewer and appurtenances, including resurfacing;
- (2) Item B—904.02 ft. 4-in. interlocking clay segmental block sewer, etc.
- (3) Item C—353.78 ft. 3-in. vitrified clay pipe sewer, etc.
- (4) Item D—3773.79 ft. 3-ft. precast reinf. concrete pipe sewer, etc.

Type II—Semi-elliptic Brick Concrete Sewer

- (5) Item A—3293.15 ft. 3 ft. 9 in. semi-elliptic brick concrete sewer, including curves, structures, etc., and including all resurfacing;
- (6) Item B—904.02 ft. 4 ft. interlocking vitrified clay segmental block sewer, etc.
- (7) Item C—353.78 ft. 3 ft. vitrified clay pipe sewer, etc.;
- (8) Item D—3773.79 ft. 2 ft. 9 in. semi-elliptic brick concrete sewer, etc.

SAN DIEGO, Cal.—San Diego city council contemplates a bond election next spring to vote a \$3,500,000 bond issue to finance a city sewage collection system and treatment plants to completely modernize the city sewer

system. The city engineer has been authorized to prepare plans for such a system. The city engineer and his staff will work in connection with private consulting engineers.

CAPISTRANO, Orange Co., Cal.—Until 8 p. m., November 2, bids will be received by Capistrano Beach Sanitary District to construct lateral sewers under the 1911 act, involving:

- (1) 1235 ft. 12-in. vitrified sewer;
- (2) 4210 ft. 8-in. vitrified sewer;
- (3) 3387 ft. 6-in. vit. sewer;
- (4) 31 standard manholes;
- (5) one drop manhole;
- (6) 8 lampholes;
- (7) 43 6x12-in. wyes;
- (8) 96 6x8-in. wyes;
- (9) 138 4x6-in. wyes;
- (10) 110 ft. 8-in. cast iron sewer.

Plans obtainable from E. L. Holly, secretary of district, Dobson Park, or from the engineers, Burns-McDonnell-Smith Engineering Corp. 1031 S. Broadway, Los Angeles, on deposit of \$5, \$2.50 of which is returnable.

SAN LUIS OBISPO COUNTY, Cal.—William Lane, 19th St., Paso Robles, at \$1,875 awarded contract by State Highway Commission for additions to the existing sanitary sewer and water systems at Arroyo Grande, San Luis Obispo County.

WATER WORKS

SAN FRANCISCO, Cal.—McDonald and Kahn, Financial Center Bldg., San Francisco, at \$174,369 awarded contract by Board of Public Works to construct the Red Mountain Bar Siphon, Foothill Division, Hetch Hetchy Project. Complete list of total and unit bids published in issue of October 24.

FAIRFIELD, Solano Co., Cal.—Bids will be asked at once by Lewis Morrill, City Clerk, to furnish and install pump in connection with the municipal water system.

LOS ANGELES, Cal.—Hacker Pipe & Supply Co., awarded contract by city purchasing agent, at \$7006 for furnishing lap-welded electric-resistance welded and seamless steel water pipe for the department of water and power, under Specification No. 2630.

LOS ANGELES, Cal.—N. Fornl, Penrose Ave., Burbank, awarded contract by purchasing agent, at \$5000 for furnishing concrete meter boxes and covers for a 12-month period under Specification No. 2617.

LOS ANGELES, Cal.—Wallace & Tiernan Co., Los Angeles, awarded contract by city purchasing agent at \$2711 for furnishing an automatic vacuum type solution feed chlorinator under Specification No. 2642.

ALHAMBRA, Los Angeles Co., Cal.—Until 9 a. m., November 3, bids will be received by city council for furnishing cast iron water pipe as follows:

- (1) 3100 ft. 6-in. pipe;
- (2) 2000 ft. 8-in. pipe.

Specifications may be obtained from R. B. Wallace, city clerk.

OAKLAND, Cal.—Steel Tank & Pipe Co. of California, 1100 4th St., Berkeley, at \$3,185 awarded contract by East Bay Municipal Utility District to furnish and erect one 200,000-gallon steel storage tank. Complete bids published in our issue of October 21.

ELDRIDGE, Sonoma County, Cal.—Until November 6, p. m., informal bids will be received by State Department of Public Works, Public Work

Bldg., Sacramento, for boiler setting at the Sonoma State Home at Eldridge Est., \$700. Materials will be furnished by the State.

MARE ISLAND, Cal.—Until November 17, bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., under Schedule No. 6786 for delivery at Mare Island Navy Yard of two motor-driven circulating pumps and two motor-driven brine pumps. Further information obtainable from Navy Purchasing Office, 100 Harrison St., San Francisco.

AGNEW, Santa Clara Co., Cal.—Until Nov. 10, 2 p. m., bids will be received by State Department of Public Works, Division of Architecture, Public Works Bldg., Sacramento, to erect water tower at Agnew State Hospital. Will have reinforced concrete foundations, floors and walls, 100,000-gallon steel tank; wood roof construction and tile roof. The work will include all general work, electrical work and plumbing. Plans obtainable from Geo. B. McDougall, state architect, on deposit of \$25, returnable.

CHICO, Butte Co., Cal.—City Manager Harry H. Hume will investigate water distributing cities in Redding, Lido and Alameda, preparatory to submitting a report to the Chico city trustees for a municipal water system. The city proposes to purchase and improve the privately owned system in Chico.

COALINGA, Fresno Co., Cal.—Bids received by city council to furnish and install pump and motor in connection with municipal system, as previously reported, rejected and installation postponed until next spring. Bids were received on

(1) one deep well turbine pump completely installed on concrete and timber foundation; capacity of pump to be 1000-gal. min., against a total head of 155 feet.

(2) one motor to be not less than 60-hp., 440 volts, 3-phase, 60-cycle and the speed to be not more than 1800 revolutions per minute with no load.

Following is a complete list of bids received:

Western Pump Co.	\$2,250.00
Wintroath Pump Co.	2,364.50
Peerless Pump Co.	2,412.13
Fairbanks Morse Co.	2,422.50
Pomona Pump Co.	2,452.00
Submersible Motor Pump Co.	2,460.00
The Pelton Water Wheel Co.	2,464.00
Kimball-Krogh Pump Co.	2,467.75
Sterling Pump Co.	2,511.00
Byron-Jackson Pump Co.	2,714.00

CONCORD, Contra Costa Co., Cal.—California Water Service Co., Federal Reserve Bank Bldg., San Francisco, will extend its lines from 6th St. and Concord Blvd. to the Farm Bureau Road, a distance of 13,000 feet, to serve homes in that section. The cost is estimated at \$13,000, which includes a pumping plant and storage tank.

LONG BEACH, Cal.—U. S. Pipe and Foundry Co., 2326 E. 8th St., Los Angeles, at \$41,247 awarded contract by city council to furnish Class B c. i. water pipe, as follows:

54,000 ft. 6-in.
27,000 ft. 8-in.
2880 ft. 20-in.

SAN FRANCISCO—Fred G. Turner, 212 Anita Ave., Burlingame, at \$2,347 submitted low bid to Bureau of Yards and Docks, Navy Department, Washington, D. C., for repairs to tank house at the U. S. Marine Hospital. Bids for this work were opened by the Bureau of Yards and Docks, Navy Department, Washington, D. C., Oct. 23.

YONE, Mendocino Co., Cal.—California Corrugated Culvert Co., 5th and Parker Sts., Berkeley, at \$22,837 submitted only bid to the State Department of Public Works, Sacramento, for pipe line at the Preston School of Industry, involving approximately 6000 feet.

SAN LUIS OBISPO COUNTY, Cal.—William Lane, 19th St., Paso Robles, at \$1,878 awarded contract by State Highway Commission for additions to the existing sanitary sewer and water systems at Arroyo Grande, San Luis Obispo County.

PLAYGROUNDS & PARKS

CARMEL, Monterey Co., Cal.—Directors of the Forest Theatre Association contemplate the construction of several tennis courts on the Forest Theatre property. Estimates for such construction will be secured at once. (7033)

SANTA ROSA, Sonoma Co., Cal.—Walter A. Hoff Co., San Francisco, and Edward Gilkey of Berkeley, landscape engineers, will submit designs for development of Julliard Park, gift of Frederic A. Julliard, New York City capitalist and former Santa Rosan. A selection of one of the two plans submitted will be made by the Santa Rosa Park Commission in the immediate future.

PACIFIC GROVE, Monterey Co., Cal.—City council contemplates \$40,000 bond issue to finance construction of a 9-hole municipal golf course including the installation of a lawn sprinkler system.

STREETS AND HIGHWAYS

BERKELEY, Alameda Co., Cal.—Heafey-Moore, 344 High St., Oakland, at \$1985 submitted low bid to Board of Education for grading the sidewalk area along the south side of Hopkins street at the Garfield School grounds. Complete bids follow:

Heafey-Moore, Oakland.....\$1985

W. H. Larson, Berkeley.....2078

Lee J. Immel, Berkeley.....2250

Ariss-Knapp, Oakland.....2400

Bids held under advisement.

BERKELEY, Alameda Co., Cal.—City council has appropriated \$1500 to improve intersection of Claremont Ave. and Russell St., and \$1000 to improve a portion of Spruce street.

RENO, Nev.—J. S. Jensen, Reno, at \$588 awarded contract by city council for construction of sidewalks, curbs and gutters from the Southern Pacific Railroad tracks north to the intersection of Plaza and University Ave. L. Christensen and C. D. Jameson submitted a bid of \$762.

MONTEREY COUNTY, Cal.—Steele Finley, 2112 N. Main St., Santa Ana, at \$27,392 awarded contract by State Highway Commission to grade and pave with Portland cement concrete, \$0.5 mile at Bradley.

SAN FRANCISCO—Bureau of Engineering, Department of Public Works, has completed specifications to improve Shields avenue between Victoria and Head Streets, (where not already improved), involving:

- (1) 50 lin. ft. conc. curb;
- (2) 29 6-in. V.C.P. side sewer;
- (3) 725 sq. ft. asph. conc. pavement, 2-in. asph. conc. surface on 6-in. Class "F" concrete base.

GRAND CANYON, Ariz.—Until November 17, 10 A. M., bids will be re-

ceived by C. H. Sweetser, district engineer, U. S. Bureau of Public Works, at office of Park Superintendent, Grand Canyon, Ariz., for grading Route 10, Grand Canyon National Park and Section A of the Cameron-Desert View approach to the park, involving in the main:

- (1) 31 acres clearing;
- (2) 168,300 cu. yds. unclassified excavation;
- (3) 34,500 cu. yds. unclassified excavation for borrow;
- (4) 45,400 sta. yds. overhaul;
- (5) 230 cu. yds. hand laid rock embankment;
- (6) 326 cu. yds. "A" concrete;
- (7) 32,600 lbs. reinforcing steel;
- (8) 244 cu. yds. masonry;
- (9) 2266 lin. ft. C. M. pipe.

Plans obtainable from San Francisco offices of the engineer at 461 Market St., from the district office in the Title & Trust Bldg., Phoenix, on deposit of \$10, returnable, checks for same to be made payable to the Federal Reserve Bank of San Francisco.

FULLERTON, Orange Co., Cal.—Bids will be asked about November 3 by city council to improve Spadra Rd. and Whittier Blvd. from the Pacific Electric Ry. to the north city limits. The approximate quantities are:

13,372 cu. yds. grading;
19,187 lin. ft. concrete curb;
368,296 sq. ft. 6-in. asphalt paving;
207,800 sq. ft. asphalt concrete surfacing;

378 lin. ft. pipe culverts.

The work is to be done under the 1925 Improvement Act.

Estimated cost \$138,505. C. M. Thorpe, city engineer.

SANTA MARIA, Santa Barbara Co., Cal.—Until 7:30 P. M., Nov. 2, bids will be received by city council to improve portions of Alvin Ave., Benway Ave., Thornburn St., Miller St., East Ave., and other streets, involving surfacing with oil, rock and gravel. Plans obtainable from York Peterson, city engineer, on payment of \$10.

TRINITY COUNTY, Cal.—State Highway Commission accepts contract on October 21 of Heafey-Moore Co., Oakland, contract price \$64,800, for a bituminous surface treatment to the existing road between Tower House and Weaverville on the Redding-Arcata road, Trinity county, for a distance of 32 miles.

SACRAMENTO, Cal.—McGillivray Construction Co., Folsom Blvd. and 56th St., Sacramento, awarded contract by city council to improve east one-half of 39th St. from 36th Way east to point 1½ ft. north of McKinley Blvd., involving grading, concrete curbs, gutters and walks, c. i. gutter drains, vit. pipe sewer, conc. manholes, 2-in. asph. conc. pave. with seal coat on 3-in. cem. gravel sub-base, street lighting system.

NEY AND ESMERALDA COUNTIES, Nev.—Isabell Construction Co., Carson City, at \$148,808.60 awarded contract by State Highway Commission to construct 32.03 miles of highway in Nye and Esmeralda counties between Beatty and Goldfield. Complete list of unit and total bids received on this project published in issue of Oct. 26.

SAN FRANCISCO—Pacific Pavements Co., 12 Oak Grove Ave., at \$1,155 awarded contract by Board of Public Works to construct concrete apron extensions at the Mills Field Municipal Airport. Unit bid follows: 3,450 sq. ft. reinf. conc. pave., \$20; 30 tons asph. conc. for repairs, \$8.00; 5,000 sq. ft. emul. asph. for repairs, \$0.45.

FRESNO, Fresno Co., Cal., Associated Oil Co., at 42¢ per bbl., awarded contract by county supervisors to furnish and deliver from 150,000 to 175,000 barrels of road oil for use on county highways. Complete list of bids published in issue of Oct. 29.

EL SEGUNDO, Los Angeles Co., Cal.—Until 7:15 p. m., Nov. 4, new bids will be received by city council for improvement of Imperial Highway (formerly Collingwood St.), between Main St. and Arizona Drive. The items to be bid on are:

- (1) 28,000 cu. yds. grading and shaping (lump sum bid);
- (2) 342,000 sq. ft. 6-in. Bitumulus full penetration pavement;
- (3) reinforced concrete double box culvert.

R. T. Hutchins is the city engineer. Proceedings are under the 1911 Act. Bids received Sept. 30 rejected.

PLACER COUNTY, Cal.—Harrahan Co., Hobart Bldg., San Francisco, at \$102,962.80 awarded by State Highway Commission to improve 2.7 miles of highway between Newcastle and Wise Power House; 1.5 miles to be grade and 2.7 miles to be paved with Portland cement concrete.

MONTEREY, Monterey County, Cal.—D. McDonald, 1118 G St., Sacramento, at \$169,991.10 awarded contract by State Highway Commission for grading and surfacing with selected material, 8.3 miles in Monterey County between Rocky Creek and San Remo Divide.

SAN FRANCISCO.—Until November 5, 2 p. m., bids will be received by Frank G. White, chief engineer, State Board of Harbor Commissioners, Ferry Building, for paving of Pier 15, involving approximately 115,000 square feet of asphaltic paving, resurfacing of curb, binder and filler. Plans obtainable from engineer.

LOS ANGELES COUNTY, Cal.—Jahn & Bressi, Lane Mortgage Bldg., Los Angeles, at \$273,473, awarded contract by State Highway Commission to grade and pave with Portland cement concrete 5.1 miles between Washington Blvd. and El Segundo. Complete unit and total bids appeared in issue of Oct. 13.

ALAMEDA COUNTY, Cal.—Jones & King, 214 E. 14th St., Hayward, at \$116,828.30, awarded contract by State Highway Commission for grading and paving with asphalt concrete 5.2 miles between Greenville and Livermore. Complete unit and total bids appeared in issue of Oct. 16.

SAN FRANCISCO, Cal.—Following bids received by Board of Public Works to construct concrete apron extension at the Municipal Airport, involving:

- (1) 3,450 sq. ft. reinf. concr. pave;
 - (2) 30 tons asphalt. concr. for repairs;
 - (3) 5,000 sq. ft. emul. asph. for repairs.
- | | (1) | (2) | (3) |
|--------------------------|-----|--------|------|
| Love & Haun, S. F. | 225 | \$8.00 | .04 |
| Thoe Cohn, S. F. | 27 | 8.00 | .05 |
| E. J. Treacy, S. F. | 25 | 10.00 | .05 |
| Pacific Pave. Co., S. F. | 20 | 9.00 | .045 |

SAN DIEGO COUNTY, Cal.—O. U. Miracle, 4751 Monroe Ave., San Diego, was awarded contract by Joint Highway District No. 17 at \$176,391.37 (using pre-mix oil surfacing) for paving the Julian-Kane Springs Highway, State Highway Route No. 26-C. The improvement, which is 24.49 miles begins about 2 miles north of the Kane Springs, Imperial County, at the intersection with the state highway just north of the San Felipe Creek Bridge

No. 5816, and extends westerly to "The Narrows" in San Diego County.

SAN FRANCISCO.—Until November 3, 11 a. m., bids will be received by the Constructing Quartermaster, Fort Mason, for constructing concrete sidewalks in front of the non-commissioned officers' quarters one to three at the Presidio.

SHASTA COUNTY, Cal.—J. P. Brennan, Redding, at \$10,380 awarded contract by State Highway Commission to grade and pave with Portland cement concrete 0.5-mile at Clear Creek, Shasta County.

SAN FRANCISCO.—Until November 5, 2 P. M., bid will be received by State Harbor Commission, Ferry Bldg., to pave Pier No. 15 and portions of the Embarcadero adjoining Pier No. 15, involving:

- (1) 115,000 sq. ft. 1½-in. Topeka wearing surface;
- (2) 70 tons wearing surface and binder on bulkhead wharf and Embarcadero;
- (3) 3800 sq. ft. concrete sidewalk and reconstruction of curb.

Specifications obtainable from Frank G. White, Chief Engineer of the Commission, Ferry Bldg.

SANTA ROSA, Sonoma Co., Cal.—Preliminary estimates of cost in connection with the proposed new highway from Healdsburg to Jenner and realignment of the Cotati to Guerneville road through Sebastopol have been prepared and proceedings for organization of the district will be started at once.

The estimated tentative cost of project has been set at \$450,000 of which sum officials of the state highway department have agreed to contribute \$150,000 from the first funds available for joint highway district use. The remaining \$300,000 it is proposed to secure by allocating \$60,000 yearly from county gas tax funds over a period of five years. Of this sum \$20,000 yearly will be contributed from the fifth district in which most of the road is located, and the remainder divided in yearly payments among the other supervisory districts.

Tentative Estimate of Cost	
Grade and Surface Rio Nido to Hilton	\$50,000
Surface Hilton to Red Hill bridge	15,000
Grade and Surface Guerneville to Northwood	30,000
Bridge at Northwood	100,000
Grade and Surface Northwood to Monte Rio	10,000
Grade and Surface Monte Rio to Duncan	60,000
Grade and Surface Duncan to Jenner	70,000
Alignment Cotati to Jenner	50,000
District interest and right of way	35,000
Engineering, legal and overhead expense	30,000
Total	\$450,000

BUSINESS OPPORTUNITIES

SAN FRANCISCO.—Names and addresses of the individuals or firms concerned in the following opportunities will be furnished on request to the Business Opportunity Department of Daily Pacific Builder, 54-547 Mission Street, Phone Garfield 8744.

21462.—Representation. Panama, R. P. Developing Company is interested in securing the agency for a lumber and mill work company in the territory of Panama and the Canal Zones.

21469.—Lumber. Santa Lucracia, Mexico. Exporters of mahogany,

cedar, lapins, etc., first Indian oak, green heart, antilwood, rosewood, coconuts, balsa, etc., from the state of Oaxaca, Mexico, wish to contact lumber importers.

21464.—Traveling Representative. Freeport, Ill. Party sailing for Europe in December a number of being appointed traveling representative for several firms. Will visit old accounts and establish new ones.

21465.—Tinsplate. Canton, China. Firm is in the market for tinsplate for manufacturing kerosene cans. Requires 18½x14-in. for body and 20x10-in. for lid and bottom. Requests price list and catalogue.

21461.—Exclusive Representation. Madrid, Spain. Firm desires to act as exclusive representative in Spain for local manufacturers and exporters of mechanical manufacturers and exporters.

21462.—Surgical Instruments. Ludwigshurg, Wuertemberg. Manufacturer of surgical instruments wishes to contact interested importers.

21463.—Thermos Bottles. Ilmenau, Thuringen, Germany. Manufacturer of new kinds of thermos bottles

wishes representation locally.

The acute business conditions of the past six months and the thousands of changes in credit ratings in the lumber trade are reflected in the October issue—the 56th Edition—of the "Blue Book," just published by the National Lumber Manufacturers Credit Corporation. With the aid of special representatives in key cities and the employment of night forces, the Fall issue brings trade and credit changes up to the last minute before publication.

"Realizing the pressing need for accurate and up-to-date information," said C. J. Morgan, manager of the corporation, "we have done all that is humanly possible to insure our subscribers the most dependable and the latest obtainable data. With the many changes that have been taking place since the April issue, this proved a Herculean task, but we are satisfied the October issue affords the most dependable and up-to-the-minute information which it was possible to present in published form."

The customary 60-day free service is being continued to lumbermen who wish to acquaint themselves with "Blue Book" service and its advantages. Those wishing to avail themselves of this specimen service should address their requests to "The Blue Book," National Lumber Manufacturers Credit Corporation, 2017 Conway Bldg., Chicago, Illinois. The October issue has already been largely distributed and copies are being mailed new subscribers immediately upon receipt of subscription.

Two lien suits for \$3182 are on file at Martinez with John Shreck and Ferdinand P. Baker of the Matheson Construction Company, builders of the new Antioch high school, as defendants. Trembath & Frederickson, Antioch hardware firm, seeks \$2458 for hinges, padlocks and other materials allegedly supplied, and the Port Costa Brick Company asks \$670 as due on brick.

William Green, president of the American Federation of Labor, announces he has decided to send a personal representative to the Boulder Dam site to study working conditions there. He indicates that the federation will keep an official in Boulder City throughout the entire period of the dam's construction.

Contracts Awarded

Liens, Acceptances, Etc.

1550	Morris	Owner	18000
1551	Minor	Mullen	1000
1552	Nelson	Owner	8000
1553	Stoneson	Owner	7000
1554	Whitney	Marian	5000
1555	Marian	Owner	11800
1556	Marian	Owner	\$11800
1557	Baldwin	Gibbs	2000
1558	Lindsay	Lindsay	3850
1559	Tilton	Thulin	3265
1560	Murphy	McLean	1000
1561	Mittelsteadt	Owner	12000
1562	Johnson	Owner	3000
1563	Pricle	Owner	1870
1564	Franquellin	Owner	11000
1565	Stolz	Lindberg	1900
1566	Morton	Owner	2500
1567	Hamilton	Duener	4200
1568	Whitney	Marian	5905
1569	Reidy	Salomon	3000
1570	Pardini	De Benedette	1000
1571	Janssen	Owner	7000
1572	Costello	Owner	3000
1573	Bernhard	Callaghan	1500
1574	Samuelson	Owner	6000
1575	Bendon	Owner	5000
1576	Cusheon	Casty	2000
1577	Schrader	Owner	3000
1578	Mulkane	Owner	1250
1579	Pollitt	Blincoe	4000
1580	Saallah	Franceschi	6000
1581	Kiernan	Owner	8000
1582	Rogers	Owner	8000
1583	Meyer	Owner	4000
1584	Lacrouts	Owner	9000
1585	Stoneson	Owner	4000
1586	Doelger	Owner	4500
1587	Johnson	Johnson	6600
1588	Eduoff	Owner	4500
1589	Doelger	Owner	6000

DWELLINGS

(1550) SE THIRTY-FIRST AVE AND Vicente. Six one-story and basement frame dwellings.
Owner—G. W. Morris, 95 Pinehurst Way, San Francisco.
Plans by D. E. Jaekle, Call Bldg., San Francisco. \$3000 each

ALTERATIONS

(1551) NE ELLIS AND POWELL. Alter front of store.
Owner—B. B. Minor.
Plans by Contractor,
Contractor—Mullen Mfg. Co., 60-80 Rausch St., S. F. \$1000

DWELLINGS

(1552) E TWENTY-FIRST AVE 212 S Sloat Blvd. Two one-story and basement frame dwellings.
Owner—F. Nelson & Sons, 19th Ave. and Sloat Blvd., San Francisco.
Plans by Owner. \$4000 each

DWELLINGS

(1553) S VICENTE 233 E Thirtieth Ave. Two one-story and basement frame dwellings.
Owner—Stoneson Bros. & Thorinsson, 279 Yerba Buena Ave., S. F.
Plans by Owner. \$3500 each

DWELLINGS

(1554) NW THIRTY-THIRD AVE & Lawton and SW cor 33rd and Kirkham. Two one-story and basement frame dwellings.
Owner—Whitney Investment Co., 1067 Market St., San Francisco.
Plans by Contractor,
Contractor—Marian Realty Co., 1067 Market St., San Francisco. \$2950 each

DWELLINGS

(1555) W TWENTY-SIXTH AVE 300 S Moraga. Four one-story and basement frame dwellings.
Owner—Marian Realty Co., 1067 Market St., San Francisco.
Plans by Owner. \$2950 each

DWELLINGS

(1556) SW, NE, SE AND NW CORSE. Twenty-sixth Ave and Moraga. Four 1-story and basement frame dwellings.
Owner—Marian Realty Co., 1067 Market St., San Francisco.
Plans by Owner. \$2950 each

ALTERATIONS

(1557) NO. 2136-42 UNION. General alterations to stores.
Owner—C. Baldwin, % Coldwell, Cornwall & Banker, 57 Sutter St., San Francisco.
Architect—Not Given.

Contractor—M. Gibbs, 2116 Fillmore St., San Francisco. \$2000

DWELLING

(1558) E CAYUGA 25 N Oneida. One-story and basement frame dwelling.

Owner—R. Lindsay, 140 Duboce Ave., San Francisco.

Plans by Contractor.
Contractor—C. Lindsay, 4363 26th Ave., San Francisco. \$3850

REPAIRS

(1559) NO. 781-83 COLE. Repair fire damage to flats.

Owner—W. H. Tilton, % 60 Brady St., San Francisco.

Architect—Not Given.
Contractor—A. L. Thulin, 60 Brady St., San Francisco. \$3265

ALTERATIONS

(1560) NE GREEN AND GRANT Ave. Alter stores.

Owner—Murphy & Co., 602 California St., San Francisco.
Architect—Not Given.
Contractor—R. McLean Co., 666 Mission St., San Francisco. \$1000

DWELLINGS

(1561) W THIRTY-SECOND AVE 100 N Moraga. Three one-story and basement frame dwellings.

Owner—O. E. Mittelsteadt, 1479 24th Ave., San Francisco.
Plans by Owner. \$4000 each

DWELLING

(1562) E TWENTY-FIRST AVE 100 S Noriega. One-story and base-

ment frame dwelling.
Owner—A. C. Johnson, 1045 Rivera St., San Francisco.
Plans by Owner. \$3000

STORE

(1563) SW TWENTIETH AVE AND Balboa St. Store under dwelling.
Owner—F. Pricle, 626 17th Ave., San Francisco.
Architect—Not Given. \$1870

DWELLINGS

(1564) W TWENTY-FIRST AVE N from Cor. Santiago. Two two-story and basement frame dwellings.

Owner—E. A. Franquellin, 1487 20th Ave., San Francisco.

Architect—C. M. Cantell. \$5500 each

ADDITION

(1565) NO. 115-117 COLLINGWOOD. Addition to flats.

Owner—A. L. Stolz, 4125 18th St., San Francisco.

Architect—J. F. Beuttler, 110 Sutter St., San Francisco.

Contractor—C. Lindberg, 1 Naylor St., San Francisco. \$1900

REPAIRS

(1566) NO. 773-775 COLE. Repair fire damage to apartments.

Owner—A. W. Morton, 1055 Pine St., San Francisco.

Architect—A. H. Knoll, Hearst Bldg., San Francisco. \$2500

DWELLING

(1567) E TWENTY-SEVENTH AVE. 275 S Lawton St. One-story and basement frame dwelling.

Owner—J. R. Hamilton, 26 Edinburgh St., San Francisco.

Contractor—J. C. Duener, 26 Edinburgh St., S. F. \$4200

DWELLINGS

(1568) E THIRTY-THIRD AVE 175 N Kirkham St. Two one-story and basement frame dwellings.

Owner—Whitney Investment Co., 1067 Market St., San Francisco.

Plans by Contractor.
Contractor—Marian Realty Co., 1067 Market St., S. F. \$2850 each

REPAIRS

(1569) NO. 50 BEALE. Repair fire damage to store room and factory.

Owner—Mrs. Reidy, 1734 Broderick St., San Francisco.

Architect—Not Given.
Contractor—L. Salomon, 1734 Broderick St., S. F. \$3000

ALTERATIONS

(1570) NO. 343 SILVER AVE. Alter store into flat.

Owner—A. Pardini, 341 Silver Ave., San Francisco.

Architect—Not Given.
Contractor—A. DeBenedette & Son, 22 Cotter St., S. F. \$1000

DWELLINGS

(1571) N BEACH 100 E Webster St. Two 1-story and basement frame dwellings.

Owner—E. A. Janssen, 811 Hearst Bldg., San Francisco.

Plans by Owner. \$3500 each

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - - California

DWELLING

(1572) E TWENTY-FIRST AVE 50 N Quintara. One-story and basement frame dwelling.
Owner—L. Costello, 382 27th Ave., San Francisco.
Plans by Owner. \$3000

UNDERPIN

(1573) NO. 734 PINE. Underpin flats Owner—Mrs. C. A. Bernhard, Ukiah.
Engineer—J. G. Little & Co., 251 Kearny St., San Francisco.
Contractor—F. C. Callaghan, 1165 Munich St., San Francisco. \$1500

DWELLING

(1574) N BLANKEN AVE 59 W Tunnel Ave. Two-story frame dwelling and store.
Owner—A. M. Samuelson, 901 Geneva Ave., San Francisco.
Plans by W. R. Weishelmer, 924 Prague St., S. F. \$6000

DWELLING

(1575) N UPLAND DRIVE 365 E Manor Drive. One-story and basement frame dwelling.
Owner—G. O. Bendon, 2266 29th Ave., San Francisco.
Plans by Owner. \$5000

DWELLING

(1576) W FORTY-FIFTH AVE 175 S Irving. One-story and basement frame dwelling.
Owner—Mrs. J. Cusheon, 1329 45th Ave., San Francisco.
Plans by Owner.
Contractor—J. Casty & Son, 666 Mission St., San Francisco. \$2000

ADDITION

(1577) W CONVERSE 75 N Bryant. One-story Class C addition to factory.
Owner—O. Schrafer, 1247 Harrison St., San Francisco.
Architect—E. A. Neumarkel, 340 Kearny St., San Francisco. \$3000

ALTERATIONS

(1578) NO. 303 ELIZABETH. Alter interior of flats.
Owner—E. Mullaney, 303 Elizabeth St., San Francisco.
Architect—J. J. Foley, 770 5th Ave., San Francisco. \$1250

DWELLING

(1579) N ALTON AVE, Lot 6, E of Pacheco St. One-story and basement frame dwelling.
Owner—R. G. Pollitt, 2243 Cabrillo St., San Francisco.
Plans by Owner.
Contractor—C. O. Blincoe, 2663 15th Ave., San Francisco. \$4000

DWELLING

(1580) N DURANTES AVE 152 W Montalvo Ave. Two-story and basement frame dwelling.
Owner—N. J. Saadallah, 763 Clayton St., San Francisco.
Architect—C. Strothoff, 1274 15th St., San Francisco.
Contractor—L. Franceschl, 1408 Jefferson St., San Francisco. \$5000

DWELLING

(1581) SW FORTY-SEVENTH AVE. and Geary St. Two-story frame dwelling.
Owner—Kiernan & O'Brien, Inc., % Architect.
Architect—A. H. Larsen, 447 Sutter St., San Francisco. \$6000

DWELLINGS

(1582) W FORTY-FIFTH AVE 50 S Balboa. Two one-story and basement frame dwellings.
Owner—J. W. Rogers, 1695 21st Ave., San Francisco.
Plans by Owner. \$4000 each

DWELLING

(1583) W CHAVES 68 S Evelyn St. One-story and basement frame dwelling.
Owner—Meyer Bros., 727 Portola St., San Francisco.
Plans by Owner. \$4000

DWELLING

(1584) S TWENTY-SIXTH 25 W Capp Two-story Class C laundry and dwelling.
Owner—A. Lacrouts, 3270 24th St., San Francisco.
Architect—G. A. Berger, 309 Valencia St., San Francisco. \$9000

DWELLING

(1585) W THIRTY-FIRST AVE 30 S Vicente. One-story and basement frame dwelling.
Owner—Stonson Bros. & Thorinson, 279 Yerba Buena Ave., S. F.
Plans by Owner. \$4000

DWELLING

(1586) E TWENTY-NINTH AVE 50 N Kirkham. One-story and basement frame dwelling.
Owner—H. Doelger, 300 Judah St., San Francisco.
Plans by Owner. \$4500

DWELLINGS

(1587) E THIRTY-FIRST AVE 100 N Judah. Two one-story and basement frame dwellings.
Owner—A. and G. H. Johnson, 348 Scott St., San Francisco.
Plans by Contractor.
Contractor—A. Johnson, 348 Scott St., San Francisco. \$3300 each

DWELLING

(1588) SE TWENTY-SECOND AND De Haro. Two-story frame dwlg.
Owner—J. Eduoff, 997 De Haro St., San Francisco.
Architect—Not Given. \$4500

DWELLING

(1589) NW TWENTY-FOURTH AVE and Santiago. One-story and basement frame dwelling.
Owner—H. Doelger, 300 Judah St., San Francisco.
Plans by Owner. \$6000

BUILDING CONTRACTS

No.	Owner	Contractor	Amt.
SAN FRANCISCO COUNTY			
238	War Memorial	Crittall	27920
239	Cornwall	Zelinsky	1000
240	S. P. Co.	Duncanson	20964
241	War Memorial	MacGruer	47773
242	S. P. Co.	Bender	965
243	Stolz	Lindberg	2145
ROOFING			
WAR MEMORIAL			
(238)	THOSE TWO CITY BLOCKS bounded by Van Ness Ave, Franklin, McAllister and Grove Streets, including Fulton and Ash Streets, bet. Van Ness Ave. and Franklin and Birch Streets which streets have been closed by City Ordinance. To furnish and install in place complete all metal windows for Opera House and Veterans' Building of the War Memorial of San Francisco.		
Owner—	The Board of Trustees of the War Memorial.		
Architect—	Arthur Brown, Jr. and G. A. Lansburgh, 251 Kearny St., San Francisco.		
Contractor—	Crittall Casement Window Co., represented by Gates-Tatterson, 557 Market St., San Francisco.		
Filed Oct. 22, '31.	Dated Sept. 25, '31.		

On or before the 10th of each month	Usual 35 days	75%	25%
TOTAL COST, \$27,920			
Bond, \$13,960. Surety, National Surety Co. Limit, 115 days for opera house and 150 for Veterans' Bldg. Forfeit, \$10. Plans and specifications filed.			

RESIDENCE

(239) N JACKSON ST. 129 E Presidio Ave. All work for painting two-story, basement and attic residence.
Owner—Bruce Cornwall, 57 Sutter St., San Francisco.
Architect—Willis 190R & Co., 277 Pine St., San Francisco.
Contractor—A. A. Zelinsky & Co., 4420 California St., S. F.
Filed Oct. 22, '31. Dated Oct. 9, '31.
On 15 day of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$1000
Bond, none. Limit, December 15, 1931. Forfeit, none. Plans and specifications filed.

MACHINERY, ETC.

(240) SLIP NO. 1, WATER STREET terminal, Sausalito, Marin County and Slip No. 1, Hyde St. terminal, San Francisco. All work for construction and installation of galleys, framer and bridge raising machinery.

Owner—Southern Pacific-Golden Gate Ferries, Ltd., San Francisco.
Architect—Not Given.
Contractor—The Duncanson-Harrelson Co., deYoung Bldg., San Francisco
Filed Oct. 26, '31. Dated Oct. 23, '31.
Close of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$20,964
Bond, \$20,964. Surety, United States Guarantee Co. Limit, 125 days. Forfeit, none. Plans and specifications filed.

WAR MEMORIAL

(241) THOSE TWO CITY BLOCKS bounded by Van Ness Ave, Franklin, McAllister and Grove Sts., including Fulton and Ash Sts., bet. Van Ness Ave. and Franklin St., and Birch St., which streets have been closed by City Ordinance. Furnish and install all cast stone work for Opera House and War Memorial.

Owner—The Board of Trustees of the War Memorial of S. F.
Architects—A. Brown Jr. and A. G. Lansburgh, 251 Kearny St., San Francisco.
Contractor—MacGruer Co., 266 Te-hama St., San Francisco.
Filed Oct. 26, '31. Dated Aug. 12, '31.
On or before 10th of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$47,773
Bond, \$23,886.50. Surety, Pacific Indemnity Co. Limit, 270 days. Forfeit, none. Plans and specifications filed.

(242) SPEAR ST., bet. Folsom and Harrison. All work for roofing on warehouse of Pacific Bag Co.
Owner—Southern Pacific Co., 65 Market St., San Francisco.
Architect—Not Given.
Contractor—J. W. Bender Roofing & Paving Co., 18th and Bryant St., San Francisco.
Filed Oct. 27, '31. Dated Oct. 12, '31.
At close of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$965
Bond, \$965. Surety, United States Guaranties Co. Limit, 10 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

2129 NO. 116-117 COLLINGWOOD ST. MR. WORK, except painting. To give fixtures and shades for decoration.

OWNER—A. L. Stolz.
Architect—J. B. Bauffler, 110 Sutter St., San Francisco.

Contractor—C. Landberg, 1 Naylor St., San Francisco.
Filed Oct. 25, '31. Dated Oct. 26, '31.
Browns, coat plaster on.....\$80
Completed and accepted.....\$04
Usual 25 days.....\$3.

TOTAL COST, \$2145

Bond, \$1073. Sureties, C. Monson and A. Nelson, Limit, 40 days. Forfeit, plans and specifications, none.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded.....Accepted
Oct. 23, 1931—NW QUINTANA AND 17th Ave W 110xN 34. Adolph G and Anna V Hieronimus to Henry Hader.
Oct. 23, 1931—E HOFFMAN AVE 60 N 25th 25x125. Peter P Johnson to whom it may concern.....Oct. 23, 1931

Oct. 23, 1931—W TWENTY-SECOND Ave 25 S Moraga 25x82-6. John W Rogers to whom it may concern.....Oct. 23, 1931

Oct. 23, 1931—NW CHENERY 34 E Castro 34-4x90. A R Larson to whom it may concern.....October 23, 1931

Oct. 22, 1931—N KIRKHAM 57-6 & 82-6 W 24th Ave N by 50 S 100 to beg. P Eichenberff, Atty. for M Margath, owner, to F E Meadows, draft.....Oct. 20, 1931

Oct. 22, 1931—W ELEVENTH AVE 100 S Moraga S 25xW 120 OL 871. Mary Sandoval to Donald S Kavanaugh.....Oct. 19, 1931

Oct. 22, 1931—S VICENTE 57-6 E 17th Ave E 25xS 100 OL 1252. W P Cotes to whom it may concern.....Oct. 20, 1931

Oct. 22, 1931—E TWENTY-THIRD AVE 200 N Ortega and extending said sign line of 23rd Ave N 100 E 120 S 100 WA 120. Lawrence and Anna Costello to whom it may concern.....Oct. 22, 1931

Oct. 21, 1931—E TWENTY-SIXTH AVE 250 N Santiago 25x120. M A and E M Dorr to whom it may concern.....Oct. 21, 1931

Oct. 21, 1931—N ULLOA 57-6 E 23rd Ave. M Selzer to whom it may concern.....Oct. 21, 1931

Oct. 21, 1931—S RYING 32-6 W 31st Ave. W A Savage to whom it may concern.....Oct. 21, 1931

Oct. 21, 1931—N SHIELDS 50 E Victoria. W A Savage to whom it may concern.....Oct. 21, 1931

Oct. 21, 1931—E WEBSTER 125 N North Point N 25xE 125 W A 257. Walter Schneidevind to whom it may concern.....Oct. 20, 1931

Oct. 21, 1931—N CHESTNUT ST. 219.285 S Pierce. Christiansen Bros to whom it may concern.....Oct. 21, 1931

Oct. 21, 1931—LOT 13 BLK 3277 Map Mt. Davidson Manor. Castle Bldg Co to Henry Horn.....October 19, 1931

Oct. 26, 1931—N PAGE ST. 175 E Central Ave., 1364 Page St. C Barrick to whom it may concern.....October 22, 1931

Oct. 26, 1931—E LANE 75 N Quesada Avenue. Petronilla Morales Sanchez to Bay View Realty Co., Inc.
Oct. 26, 1931—NW CAYUGA 195.826 S W Santa Rosa Ave 25 m or l by 109.947. A A Wesendunk Jr and Julia E Wesendunk to whom it

may concern.....Oct. 22, 1931

Oct. 26, 1931—W THIRTY-FIRST AVE 150 N Ulloa N 25xW 120. Otto Draeger to whom it may concern.....October 23, 1931

Oct. 24, 1931—S LOMBARD 81-3 W Broderick W 25xE 80 WA 552. T R Sharman to whom it may concern.....Sept. 28, 1931

Oct. 24, 1931—S LOMBARD 66-3 W Broderick W 25xE 80 W A 552. T R Sharman to whom it may concern.....Sept. 28, 1931

Oct. 24, 1931—NW ELLIS AND Jones 120 N Jones to SW Cor. Jones and Antonio W 55 S 120 to N Ellis to pt on N line of Ellis 55 N from NW Cor. Ellis and Jones E 55 to beg. L C and K T Mendel to E E O'Leary.....Oct. 19, 1931

Oct. 27, 1931—LOT 3 BLK 14, Map Forest Hill. Guthrie B and Dorothy T Sharman to Harvey Armbrust.....Oct. 26, 1931

Oct. 27, 1931—E 27TH AVE 200 N Lawton 25x120. C Anderson to whom it may concern.....Oct. 27, 1931

Oct. 27, 1931—E TWENTY-EIGHTH AVE 150 S Judah S 25x120. J J McDonough to whom it may concern.....Oct. 27, 1931

Oct. 27, 1931—N SACRAMENTO 100 W 16th W 50 N 127-84 E 25 S W 16th W 50 N. Joseph Hagan to Reavey & Spivock.....Oct. 27, 1931

Oct. 26, 1931—W TENTH AVE 100 N Anza St. 37-6 W 120. L Rodrigues De Joya to M M Bowman.....Oct. 23, 1931

Oct. 26, 1931—N JEFFERSON 83.500 from Webster W 25.000 N 85.890 NE 37.182 S 58.367. L Franceschi to whom it may concern.....October 24, 1931

Oct. 26, 1931—E NINETEENTH AVE 250 S Taraval St. 25x120, 2442 19th Ave. A Bernhardt to whom it may concern.....Oct. 24, 1931

LIENS FILED

SAN FRANCISCO COUNTY

Recorded.....Amount

Oct. 26, 1931—E ELEVENTH AVE 100 N California N 25xE 120 OL 81. V Fischer vs T Riese.....\$213

Oct. 22, 1931—S GREENWICH 40 E Franklin E 60xS 79 W A 88. D N E and Walter & Co vs Chas A Laughlin and Mrs. S. Schwalbe.....\$39

Oct. 22, 1931—N WILDE 30 E Brunsells 30x100 No. 150 Wilde Ave. Wm Hansberg vs M Bradford.....\$250

Oct. 27, 1931—E MISSISSIPPI 443 N 22nd N 25xE 100. P E Depaoli vs M and E Meneghetti and W E Tuomisto.....\$70.50

Oct. 21, 1931—S GREENWICH 40 E Franklin E 60xS 79 WA 88. J M Smith vs C A Laughlin (as Laughlin Constr Co) and S Schwalbe.....\$50

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded.....Amount

Oct. 26, 1931—E FILLMORE and 924 S Washington S 49-6xE 91-6. Robert McCarthy to M Blackfield and M Telin.....

BUILDING PERMITS

Alameda County

1512 Cowan	Nylanlar	5000
1513 Sterling	Owner	2800
1514 Tammi	Owner	5000
1515 Alameda	Leiter	60000
1516 Kreig	Heyer	20000
1517 Coleman	Ross	7500
1518 Pressler	Owner	3000
1519 Tavernas	Bemis	1500

1520 Ness	Owner	4000
1521 Vollmer	Walley	1965
1522 Griffiths	Owner	4250
1523 Solor	Lindhgen	15000
1524 Stenbro	Owner	2500
1525 Clorox	Owner	9000
1526 Cappa	Vaughn	1400
1527 United Cigar	Home	1000
1528 Kroket	Peterson	1000
1529 Johnson	Owner	3750
1530 Pfeitner	Watson	2300
1531 Berkeley	Isaacs	7000
1532 McCabe	Owner	3750
1533 Warn	Owner	3400
1534 Griffith	Owner	4250

DWELLING

(1512) NO. 549 AILEEN ST., OAKLAND. One-story 6-room dwelling.

Owner—W. B. Cowan.
Architect—Not Given.
Contractor—Nylander Bros., 633 Montclair Ave., Oakland. \$5000

WAREHOUSE

(1513) SE THIRTY-SECOND AND Ettie Sts., Oakland. One-story warehouse.

Owner—Sterling Lumber Co., 1607 32d St., Oakland.
Architect—Edward A. Nichel, 1935 Berryman St., Berkeley. \$2800

DWELLING

(1514) NO. 1113 CURTIS ST., ALBANY. Five-room dwelling.

Owner—Chas. Tammi, 1541 Channing Way, Berkeley.
Architect—Not Given. \$3000

MEMORIAL BLDG.

(1515) NO. 1321 PORTLAND AVE., ALBANY. Veterans' Memorial Building.

Owner—Alameda County.
Architect—H. H. Meyers, 2121 Alameda Ave., Alameda.
Contractor—E. T. Leiter & Sons, 811 37th St., Oakland. \$60,000

STORES

(1516) NW E-FOURTEENTH ST. & Thirty-fourth Ave., OAKLAND. Two-story brick and concrete stores.

Owner—J. J. Krieg Co.
Architect—Williams & Wastell.
Contractor—Chas. W. Heyer Jr., Mills Bldg., San Francisco. \$26,000

DWELLING

(1517) NO. 4126 OAKMORE ROAD, OAKLAND. Two-story eight-room dwelling.

Owner—H. O. Coleman.
Architect—Not Given.
Contractor—Mervin P. Rose, 6329 Shattuck Ave., Oakland. \$7500

DWELLING

(1518) NO. 2821 SEVENTY-THIRD AVE., OAKLAND. One-story six-room dwelling.

Owner—Walter Pressler, 1419 Excelsior Ave., Oakland.
Architect—Not Given. \$3000

ALTERATIONS

(1519) NO. 396 FOURTEENTH ST., OAKLAND. Alterations.

Owner—White Taverns, 519 16th St., Oakland.
Architect—Not Given.
Contractor—K. E. Bemis, 519 16th St., Oakland. \$1500

DWELLING

(1520) NO. 4000 ASPEN PLACE, OAKLAND. One and one-half-story 6-room dwelling.

Owner—Peter Ness, 3126 California St., Oakland.
Architect—Not Given. \$4000

ADDITIONS

(1521) NO. 1715 ENCINAL AVE., Ave., **ALAMEDA**. Add two rooms to frame dwelling.
Owner—John G. Volmar, Premises.
Architect—Not Given.
Contractor—R. F. Woley, 5621 Thorn Road, Oakland. \$1965

DWELLING

(1522) NO. 1757 EIGHTY-FOURTH AVE., **OAKLAND**. One and one-half-story 6-room dwelling and 1-story garage.
Owner—C. W. Griffiths, 1427 87th Ave., Oakland.
Architect—Not Given. \$4250

DWELLING

(1523) NO. 6240 CONTRA COSTA ROAD, **OAKLAND**. Two-story 8-room dwelling.
Owner—F. O. Solon, 337 17th St., Oakland.
Architect—D. D. Stone, 337 17th St., Oakland.
Contractor—Lindgren & Swinerton, 1723 Webster St., Oakland. \$15,000

DWELLING

(1524) NO. 6210 MAJESTIC AVE., **OAKLAND**. One-story five-room dwelling.
Owner—Andrew Stenbro, 4340 La Cresta Ave., Oakland.
Architect—Not Given. \$2500

ADDITION

(1525) 850 FORTY-SECOND AVE., **OAKLAND**. Add to factory.
Owner—Clorox Chemical Co., 850 42nd Ave., Oakland.
Architect—Not Given. \$3000

RESIDENCE

(1526) NO. 1116 DERBY ST., **BERKELEY**. One-story 3-room 1 family frame residence.
Owner—J. Cappa, 1122 Derby St., Berkeley.
Architect—Not Given.
Contractor—C. C. Vaughn, 1303 Derby St., Berkeley. \$1400

ALTERATIONS

(1527) NO. 3209 E-FOURTEENTH ST., **OAKLAND**. Alterations.
Owner—United Cigar Store Realty Co., 40 Montgomery St., San Francisco
Architect—Not Given.
Contractor—Home Mfg. Co., 552 Bran-nan St., San Francisco. \$1000

ALTERATIONS

(1528) NO. 3270 E-FOURTEENTH ST., **OAKLAND**. Alterations.
Owner—Mrs. Krokot, 3270 E-14th St., Oakland.
Architect—Not Given.
Contractor—J. B. Peterson, 4021 Agua Vista Ave., Oakland. \$1000

DWELLING

(1529) NO. 4230 DETROIT ST., **OAKLAND**. One-story 6-room dwelling.
Owner—O. W. Johnson, 3961 Magee Ave., Oakland.
Architect—Not Given. \$3750

DWELLING

(1530) NO. 900 SEVENTY-THIRD AVE., **OAKLAND**. One-story five-room dwelling.
Owner—H. A. Fleitner, 1301 Fruitvale Ave., Oakland.
Architect—Not Given.
Contractor—Wm. Watson, 4750 Mel-don Ave., Oakland. \$2300

SCHOOL

(1531) NO. 1710 CARLTON ST., **BERKELEY**. One-story 8-room frame and stucco school.
Owner—Berkeley Japanese Church, Carlton and McGee Ave., Berkeley.
Architect—Not Given.
Contractor—W. J. Baker, 2255 Ran-some Ave., Oakland. \$7000

DWELLING

(1532) NO. 1079 LYMAN ROAD, **OAKLAND**. One-story 6-room dwlg.
Owner—J. D. McCabe, 3167 Mountain Blvd., Oakland.
Architect—Not Given. \$3750

DWELLING

(1533) NO. 5019 PINEWOOD ROAD, **OAKLAND**. One-story 5-room dwelling and one-story garage.
Owner—Warn Bros., 419 E. Merle Ct., San Leandro.
Architect—Not Given. \$3400

DWELLING

(1534) NO. 1756 EIGHTY-THIRD AVE., **OAKLAND**. Two-story 7-room dwelling and one-story garage.
Owner—C. W. Griffith, 1427 87th Ave., Oakland.
Architect—Not Given. \$4250

BUILDING CONTRACTS

Alameda County

No. Owner	Contractor	Amt.
156 Regents	Maurer	11453
157 Osborne	Reimers	6170
158 Coleman	Rose	7700

SUB-STATION
(156) CAMPUS OF UNIVERSITY OF CALIFORNIA, Berkeley. All work for substation building.
Owner—The Regents of the University of California, Berkeley.
Architect—Dept. of Grounds and Buildings, University of Calif., Berkeley.
Contractor—George J. Maurer, 50 York Drive, Piedmont.
Filed Oct. 21, '31. Dated Oct. 16, '31.
1st of each month..... 75%
Usual 35 days..... Balance

Bonds (2) Labor and material, \$6000; performance, \$6000. Surety, U. S. Fidelity & Guaranty Co. Limit, 75 days. Forfeit, \$15 per day. Plans and specifications filed.

RESIDENCE

(157) LOT 7 BLK 13, Oakmore Highlands, Oakland. All work for two-story residence and garage.
Owner—B. J. and Eva E. Osborne.
Architect—Ray F. Keefer and Arthur L. Herberger.
Contractor—Irwin H. Reimers, 745 Wala Vista Ave., Oakland.
Filed Oct. 24, '31. Dated Oct. 24, '31.
Roof sheathing on.....\$ 1,170
Ready for plaster..... 1250
When completed..... 11,250
Usual 35 days..... 11,250

Bond, none. Limit, 90 days. Forfeit, \$2 per day. Plans and specifications filed.

DWELLING

(158) W OAKMORE ROAD being Lot 11 Blk 4, Oakmore Terrace, Oakland. All work for two-story dwelling.

Owner—Herman C. Olenius, Oakland
Architect—Not Given.
Contractor—Mason F. Rose, 6529 Shattuck Ave., Oakland.
Filed Oct. 25, '31. Dated Oct. 18, '31.
Frame up.....\$1425
Roof on..... 1925
When completed..... 2600
Usual 35 days..... 1250

Bond, none. Limit, 90 days. Forfeit, \$5 per day. Plans and specifications filed.

COMPLETION NOTICES

Alameda County

Recorded	Accepted
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Oct. 27, 1931—LOT 11 BLK J, Amended Map of the Moss Tract, Oakland. Charles W Griffith to whom it may concern. Oct. 26, 1931
Oct. 27, 1931—PTN LOTS 16 AND 17, Maple Crest, Oakland. Minnie Frink to C W Leekins. Oct. 23, 1931
Oct. 27, 1931—LOT J and E 17 ft. Lot I Blk 5, Map of the Westerly 1/2 of Blk 5, Curtis Tract, Berkeley. Henry Hemphill to whom it may concern. August 17, 1931
Oct. 27, 1931—LOT 198, St. James Wood, Piedmont. Spencer C Fish to Harold L Paige. Oct. 15, 1931
Oct. 26, 1931—SE THIRTY-NINTH ST. 33 ft. NE Bayo St., Oakland. A V Petersen to A E Waldman.
.....October 22, 1931
Oct. 26, 1931—STATE HIGHWAY, bet. Livermore and Greenville, Alameda County. Dept. of Public Works, Div. of Highways, State of Calif to Wheeler Bayles.October 23, 1931
Oct. 26, 1931—STATE HIGHWAY, bet. Livermore & Greenville, Alameda County. Dept. of Public Works, Div. of Highways, State of Calif. to Wheeler Bayles.October 23, 1931
Oct. 26, 1931—LOT 2 BLK 3, East Piedmont Heights Extension, Oakland. Adam J and Nancy Kent to whom it may concern. Oct. 26, 1931
Oct. 24, 1931—NO. 2155 WEBSTER ST., Alameda. San Francisco Bay Airdrome Ltd., Lessee to Lindgren & Swinerton, Inc.Oct. 15, 1931
Oct. 24, 1931—NO. 1114 CASTRO ST. Hayward. John and Mary L Gomes to A F Hanson. Oct. 23, 1931
Oct. 24, 1931—N ANGELA 275.31 W Main St., Pleasanton. Charles Florio to John Cisneros. Oct. 7, 1931
Oct. 23, 1931—NO. 704 CURTIS ST. Albany. Milton S Bonds to whom it may concern.Oct. 23, 1931
Oct. 23, 1931—PTN LOTS 14 AND 15 Blk J, Trumbull Tract, Oakland. Thomas and Eleanor Griffiths to whom it may concern. Oct. 21, 1931
Oct. 23, 1931—LOT 19 BLK E, Durant Manor, Oakland. Charles W and Ada J Griffith to whom it may concern.Oct. 22, 1931
Oct. 23, 1931—BDED BY EDITH St., Dullich Road, Jacobus Ave and Morpeth St., Oakland. Roman Catholic Archbishop of San Fran-

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

Phone Franklin 9400

San Francisco

cesso to A A PellaOct. 15, 1931
Oct. 22, 1931—LOT 27 BLK 15, Resub
of a ptn of North Cragmont Tract,
Berkeley. Le Roy and Hollon E.
Smith to Ray Toombs.....Oct. 22, 1931
Oct. 22, 1931—LOT 13 BLK 11,
North Cragmont, Berkeley. Dwight
and Carol Baldwin to C Dudley
De Velbiss.....Oct. 21, 1931
Oct. 21, 1931—CAMPUS OF THE
University of Calif., Berkeley. The
Regents of the University of Cal-
ifornia to Home Mfg Co.....
October 17, 1931
Oct. 21, 1931—3632 MAPLE AVE.,
Oakland. W H Warren to whom
it may concern.....Oct. 20, 1931
Oct. 21, 1931—NO. 1460 ORDMAY
St., Berkeley. Bernard G Becker
to whom it may concern.....
October 20, 1931
Oct. 21, 1931—SE OCEAN VIEW
Drive and College Ave., Oakland.
Bank of America National Trust
& Savings Assn to Sullivan & Sul-
livan.....Oct. 15, 1931
Oct. 21, 1931—LOT 15 BLK F, Es-
tadillo Estates, San Leandro. H
F and Elizabeth E Edwards to
whom it may concern.....Oct. 17, 1931
Oct. 21, 1931—NO. 1305 67TH ST.,
Berkeley. Jennie Chandler to
Riley Hardin.....Oct. 19, 1931

LIENS FILED

Alameda County

Oct. 27, 1931—NO. 98 NORTH HAMPTON,
Berkeley. George Woolf vs
Margaret M Weaver; M Weaver
and Wiley T Vaughn.....\$92
Oct. 27, 1931—NO. 98 NORTH HAMPTON
Ave., Berkeley. A J Bowman
(as Bowman Building Supply Co)
vs Mrs. Margaret Weaver and E C
Wangan.....\$25.05
Oct. 26, 1931—NW NINTH AVE 75
SW E-17th St., Oakland. Inland
Floor Co vs Clint W Miller; Her-
mine G Miller; O K Headington
and Acme Floor Co.....\$64.20
Oct. 24, 1931—SE PTN LOT 4 BLK
E Glenwood, Oakland. A J Bow-
man (as Bowman Building Supply
Co) vs Leslie C Dawe and C A
Wood.....\$77.90
Oct. 23, 1931—N FOURTEENTH
St 150 W Jackson St., Oakland.
Scott-Buttner Electric Co., Inc vs
Allen Crutcher and Paul Nordby
.....\$565.45
Oct. 23, 1931—NW NINTH AVE 75
SW E-17th St., Oakland. Boor-
man Lumber Co vs Clint W Miller
and Hermine G Miller.....\$706.59
Oct. 23, 1931—NW NINTH AVE 75
S E-17th St., Oakland. Maxwell
Hardware Co., \$135.52; Stewart
Mantle & Tile Co., \$132; Pacific
Coast Aggregates, \$78.75; A W
Flagler Electric Co., \$125.10 vs
Clint W and Hermine Miller.....
Oct. 21, 1931—NW NINTH AVE 75
SW E-17th St., Oakland. Melrose
Bldg Materials Co vs Clint W
and Hermin G Miller.....\$180.50

RELEASE OF LIENS

Alameda County

Recorded	Amount
Oct. 26, 1931—SE TELEGRAPH Ave and 20th St., Oakland. E P Murphy to Twentieth & Broadway Realty Co.; George Wagner and Chris Berg.....	\$6665.36
Oct. 26, 1931—LOT 46 BLK 4, S Lakeshore Glen, Oakland. Tay- Holbrook Co, Inc to Gordon Mar- chant; Mrs. E G Augelo and A J Aaroe.....	\$271.55
Oct. 23, 1931—LOT 11 BLK C, Scenic Boulevard Knoll, Oakland. Mar- kus Hardware Co to A Christen- sen and G C and F E Warn.....	\$77

Oct. 21, 1931—LOTS 3 AND 13 BLK
31, Warner Tract, Oakland. W F
Garrett (as Garrett Mill & Lum-
ber Co) to Minnie E Jacobson.....\$73.94

BUILDING CONTRACTS

SAN MATEO COUNTY

HEATING PLANT
GARFIELD SCHOOL, Redwood City.
Steam heating replacement.
Owner—Redwood City Grammar
School District, Redwood City.
Architect—Albert I. Coffey et al, Phe-
lian Bldg., San Francisco.
Contractor—Walter Sterling, 1125 King
St., Redwood City.
Filed Oct. 19, '31. Dated Oct. 14, '31.
When completed.....\$1316.25
Usual 35 days.....438.75
TOTAL COST, \$1755.00
Bonds (2) \$877.50. Surety, Hartford
Accident & Indemnity Co. Lmt, 15
working days. Forfeit, \$10. Plans and
specifications filed.

ALTERATIONS

NO. 2120 BROADWAY, Redwood City.
All work for alterations and addi-
tions to building.
Owner—Pacific Gas & Electric Co.,
Premises.
Architect—Not Given.
Contractor—Guss Waller, 221 Hudson
St., Redwood City.
Filed Oct. 21, '31. Dated Oct. 20, '31.
Payments as per agreements.....
TOTAL COST, \$6769.38
Bond, \$6769.38. Surety, Fidelity De-
posit Co. Limit, 90 working days.
Forfeit, none. Plans and specifications
filed.

RESIDENCE

NO. 1808 FLORIBUNDA DRIVE (rear)
2.33 acres, Hillsborough. All work
for two-story frame and plastered
residence.
Owner—Grace C. Robbins.
Architect—W. W. Wurster, 260 Cali-
fornia St., San Francisco.
Contractor—Meese & Briggs, 1425
Broadway, Burlingame.
Filed Oct. 22, '31. Dated Oct. 22, '31.
Frame up.....1/4
Brown coated.....1/4
When completed.....1/4
Usual 35 days.....1/4
TOTAL COST, \$15,478
Bond, none. Limit, 70 working days.
Forfeit, none. Plans and specifications
filed.

BUNGALOW

WHIPLIE AVE. 70 ft. from Hillview
St., Redwood City. All work for
five-room bungalow and 2-car ga-
rage.
Owner—Margaret A. Blakely et al.
Architect—Not Given.
Contractor—Morris & Weiner, 1155
Lincoln Ave., Palo Alto.
Filed Oct. 22, '31. Dated Oct. 7, '31.
Payments as per agreement and
arrangement.....
TOTAL COST, \$6250
Bond, none. Limit, 90 days. Forfeit,
plans and specifications, none.

DWELLING

LOTS 8 AND 9 BLK 3, Dumbarton.
All work for one-story and base-
ment frame and stucco dwelling.
Owner—Charles Gibillini, Belmont.
Architect—Not Given.
Contractor—Joseph Meconi.
Filed Oct. 26, '31. Dated Oct. 13, '31.
Frame up.....25%
Brown coated.....25%
When completed.....25%
Usual 35 days.....25%
TOTAL COST, \$4925
Bond, \$5000. Sureties, Olivo Sargen-
tini and D. Giovannini. Limit, Feb.
1, 1932. Forfeit, none. Plans and
specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
Oct. 23, 1931—LOT 9 BLK 31, Devon- shire. John R Mansfield et al to whom it may concern.....Oct. 22, 1931	
Oct. 23, 1931—LOT 2 BLK 27, Lyon & Hoag Sub., Burlingame. Fred R Kaslering et al to Vincent R Loguens.....Oct. 23, 1931	
Oct. 24, 1931—LOTS 17 AND 18 BLK 8, Central Park. C L White et al to whom it may concern.....	
Oct. 26, 1931—LOT 19, Bayshore Highway Tract, San Mateo. An- tonio Pianca to whom it may con- cern.....October 23, 1931	
Oct. 26, 1931—PART LOT 19 BLK 18, Woodland Place. J B Wilber et al to whom it may concern..... October 26, 1931	
Oct. 20, 1931—LOT 17 BLK 20, East San Mateo. Langfield & Olund to whom it may concern.....Oct. 19, 1931	
Oct. 20, 1931—LOT 10 BLK 2, Park- way Terrace. South San Fran- cisco Land & Supply Co to Angelo Zangrande.....Oct. 17, 1931	
Oct. 20, 1931—LOTS 6, 7 AND 8 BLK 35, North Fair Oaks. Floyd Allen et al to whom it may concern..... Oct. 7, 1931	
Oct. 22, 1931—LOT 41 BLK E, San Bruno. Mathies Drescher et al to Delmar Marde.....Oct. 21, 1931	

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
Oct. 23, 1931—LOTS 29 AND 30 BLK 8, Central Park. McElroy Chinn Lumber Co vs Harold G Jervis et al.....	\$92.73
Oct. 23, 1931—BURLINGAME NO. 4, John J Rose vs Panama Realty Co	\$781
Oct. 24, 1931—LOT 4 BLK 5, Bay- wood. Charles L Frast vs H A Norton.....	\$308

CREDIT ON LIEN
Oct. 23, 1931—LOCATION NOT
Given. E C Peterson to Geo Trail-
man and William R McKnight not
more than 6 months.
Oct. 19, 1931—LOTS 29 AND 30 BLK
8, Central Park. E A Mueller vs
Harold G Jervis et al.....\$21.25
Oct. 21, 1931—LOT 9 BLK A, Fay's
Redwood Gardens. John A Martin
vs Mark A Haseltine et al.....\$50
Oct. 21, 1931—PART LOTS 134, 135,
136 & 137, San Mateo City Home-
stead. L L Fash. \$57.50; W E
Allan, \$299.81 vs George W Kelly
et al.....
Oct. 22, 1931—LOT 6 BLK B, Fay's
Redwood Garden. S G Sisak vs
W E Griffin.....\$68.70

CREDIT ON LIENS

Recorded	Amount
Oct. 19, 1931—LOCATION NOT Given. L H Comer to W R Mc- W R McKnight, 6 months credit on lien.	
Oct. 19, 1931—LOCATION NOT Given. The Turner Co to William R McKnight, 6 months credit on lien.	
Oct. 20, 1931—LOCATION NOT Given. S. F. Hardware Co to Wm R. McKnight, 90 days credit on lien	
Oct. 21, 1931—LOCATION NOT Given. A S Moore to William R McKnight 6 months credit on lien	

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded	Amount
Oct. 23, 1931—LOT 4 BLK 25, West- ern Addition, San Mateo. Ethel	

Schultz to Nolle T Storey.....\$194
Oct 19, 1931 — LOCATION NOT
Given, Martin Kassner to Ray
Houston

BUILDING PERMITS

REDWOOD CITY

DWELLING, frame, 6 rooms and bath,
\$3500; No. 335 Iris St., Redwood
City; owner and contractor, David
Holder, 416 Quartz St., Redwood
City.

ALTERATIONS and addition to office
building, \$7000; Broadway, Red-
wood City; owner, Pacific Gas &
Electric Co., 2120 Broadway,
Redwood City; contractor, Gus
Waller, 221 Hudson St., Redwood
City.

BUILDING PERMITS

SAN JOSE

BUSINESS building, one-story type
III, \$4000; St. John St. near First
San Jose; owner, W. E. Koerber,
76 W. St. John St., San Jose; con-
tractor, Matt Bodem, 1268 Mag-
nolia St., San Jose.

ALTER type III business building,
\$1000; No. 119 N. Market St., San
Jose; owner, Mrs. Philippello, 243 S.
Market St., San Jose; contractor,
E. J. Shottenhamer, 401 S. Market
St., San Jose.

RESIDENCE, frame, 6-room, \$3300;
Morse St. near Newhall, San Jose;
owner, S. E. Appleton, 960 Willow
Glen Way, San Jose; contractor,
C. W. De Hegy, 703 E. Julian St.,
San Jose.

REPAIR fire loss to residence, \$1000;
No. 664 N. Twelfth St., San Jose;
owner, J. Ciraulo, Premises; con-
tractor, G. Lone, 497 N. 17th St.,
San Jose.

RESIDENCE, frame, 6-room, \$6475;
14th St. near William St., San
Jose; owner, J. Volta, 511 Jackson
St., San Jose; architect, C. F. Mc-
Kenzie, Twoby Bldg., San Jose;
contractor, S. DeCola, 511 Empire
St., San Jose.

RESIDENCE duplex, frame, one-story
4-room each, \$6000; Second St.
near Taylor St., San Jose; owner,
Mrs. C. Morrell, contractor, F. C.
Nelson, Imperial Hotel, San Jose.

ALTER business building, Type III
construction, \$2450; No. 256 S.
First St., San Jose; owner, F. P.
Black, Premises; contractor, H. A.
Bridges, 1393 Lincoln St., San Jose.

ALTER two-story frame residence,
\$1000; Washington St. near 13th,
San Jose; owner, Franco Bros.,
Santa Clara at Fifth Sts., San
Jose; contractor, F. L. Hoyt, 495
S-Thirteenth St., San Jose.

RESIDENCE, frame, five-room, \$4500;
Third St. near Taylor St., San
Jose; owner, W. P. Cramsie, Don
Filipe Apts., San Jose; contractor,
Gibson Wheeler Bldg. Co., Beans
Bldg., San Jose.

RESIDENCE, frame, 5-room, \$2750;
Empire St. near Sixth St., San
Jose; owner, Geo. Shelvock, Cor.
Sixth and Empire Sts., San Jose;
contractor, Chas. A. Thomas, 127
Clayton St., San Jose.

RESIDENCE, frame, 6-room, \$5750;
Shasta St. near Park, San Jose;
owner and Contractor, Rollie Wil-
liams, 1527 Shasta St., San Jose.

ADD to business building, type III
construction, \$5000; Fifth St. near
Santa Clara, San Jose; owner,
Franco Bros., Santa Clara at Fifth
St., San Jose; contractor, F. L.
Hoyt, 495 S-Thirteenth St., San
Jose.

BUILDING PERMITS

PALO ALTO

RESIDENCE, stucco, \$7000; No. 565
Washington Ave., Palo Alto; own-
er, Harry Engman.

GARAGE addition, \$2000; No. 1111
Hamilton Ave., Palo Alto; owner,
Carloita Vance, Premises; con-
tractor, W. F. Klay, Menlo Oaks
Dr., Menlo Park.

GREENHOUSE, \$800; 1405 Univer-
sity Ave., Palo Alto; owner, Alfred
F. Fowler, Premises; contractor,
H. Dabniet, 1765 Fulton St., Palo
Alto.

RESIDENCE, stucco, 2-story and ga-
rage, \$11,000; No. 510 Lincoln Ave.,
Palo Alto; owner, A. P. Newsom;
architect, H. H. Gutterson, 526
Powell St., San Francisco; con-
tractor, Clinton-Stephenson Co.,
Clay and Montgomery Sts., San
Francisco.

BUILDING CONTRACTS

SANTA CLARA COUNTY

DWELLING

LINCOLN AVE. AND COWPER ST.,
Palo Alto. All work for two-story
and basement frame dwelling and
garage.

Owner—Adelaide Perry Newsom, 1950
Gough St., San Francisco.

Architect—Henry H. Gutterson, 526
Powell St., San Francisco.

Contractor—Clinton-Stephenson Con-
struction Co., Monadnock Bldg.,
San Francisco.

Filed Oct. 24, '31. Dated Oct. 19, '31.
As work progresses..... 75%
Usual 35 days..... 25%

TOTAL COST, \$12,000.

Bond, limit, forfeit, none. Plans and
specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Oct. 14, 1931—LOT 31 and 1/2 Lot
30, San Antonio Villa Park, San
Jose. L R Brother to whom it
may concern.....Oct. 10, 1931

Oct. 15, 1931—HIGH SCHOOL SITE,
Santa Clara. Santa Clara High
School District to A J Peters &
Son (2), Oct. 8, 1931; C W Lynds,
.....October 9, 1931

Oct. 15, 1931—LOT 24, Colonial
Manor, San Jose. Frederick A
Carmichael to Wm O'Neil.....
.....October 13, 1931

Oct. 15, 1931—HIGH SCHOOL
Bldg., Santa Clara. Board of
Trustees of Santa Clara High
School to C W Lynds.....Oct. 9, 1931

Oct. 15, 1931—PARK AND NAGLEE
Sts., Herbert Hoover Jr. High
School, San Jose. San Jose High
School District to Chas W Lynds
.....October 9, 1931

Oct. 15, 1931—HIGH SCHOOL, Santa
Clara. Board of Trustees of Santa
Clara High School District to Wm
Meyer (2 completions).....Oct. 9, 1931

Oct. 19, 1931—LOTS 5 AND 6 BLK
31, College Terrace, Palo Alto.
Sam B Goss to whom it may con-
cern.....October 17, 1931

Oct. 19, 1931—LOT 2 BLK K, South-
gate, Palo Alto. Mabel M Black
to whom it may concern.....
.....October 17, 1931

Oct. 19, 1931—LOT 19 BLK 119,
Crescent Park, except ptn con-
veyed to Kemper, Palo Alto. H
A Susan Spreen to whom it may
concern.....Oct. 14, 1931

Oct. 19, 1931—LOT 2 BLK 8 N Glen
Residence Park, Willow Glen. Au-
gustine R Calvelli et al to whom
it may concern.....Oct. 17, 1931

Oct. 20, 1931—LOT 7 BLK 8, Los
Altos Park. Los Altos Zella
Spradling to whom it may concern
.....October 17, 1931

Oct. 20, 1931—LOT 41, Willow Glen
Orchard Tract, I P Lansen to
whom it may concern.....Oct. 20, 1931

Oct. 20, 1931—PART LOTS 4 AND 5
Blk 3, East San Jose Homestead
Assn. J Polissier to E H Thamer
.....Oct. 17, 1931

Oct. 21, 1931—SE FIRST AND SAN
Carlos Sts., San Jose. Hale Bros
Realty Co. to whom it may con-
cern.....Oct. 16, 1931

Oct. 22, 1931—LOT 20, Hillcrest, Paul
A Brancato to whom it may con-
cern.....October 22, 1931

Oct. 23, 1931—LOT 30 Estrada Park,
San Jose. Janet Beales to whom
it may concern.....Oct. 21, 1931

Oct. 24, 1931—LOT 20 BLK 9, Map
No. 2, Seale Addition, Palo Alto.
Cleveland Smith to whom it may
concern.....Oct. 20, 1931

Oct. 25, 1931—SE GARFIELD AVE
113.86 NE Carolyn Ave, San Jose.
Silverio Crispin to whom it may
concern.....Oct. 22, 1931

Oct. 26, 1931—LOT 13 BLK 7 Hersch-
bachs Subd of North Glen Resi-
dence Park, San Jose. Ormud W
and Myrle S Dodd to whom it may
concern.....Oct. 22, 1931

Oct. 26, 1931—LOT 39, Willow Glen
Orchard Tract situated in Narvaez
Rancho. N J and Carolina E Niel-
sen to whom it may concern.....
.....Oct. 24, 1931

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
Oct. 14, 1931—ALVISO ROAD, 5 AC.
Mt. View, Builders Service Co vs
Wm Stagi et al.....\$503.30

Oct. 15, 1931—NE ALVISO AND
Bellomy Sts. E 50xN 100 Ptn Lot 2
B 5 E R 3 E, Santa Clara; also N
Bellomy 50 E Alviso St. E 50xN
100 ft. part same; and also N Bellomy
E Alviso E 87.50xN 114 part same.
H E Doughty, \$245; Dan Dorsa,
\$255.50; M A Pyle, \$305.34; Pacific
Mfg Co, \$1377.50; C W Spottedwood
et al, \$176; Charles Dumas, \$135; Wm
Elbert, \$335; John A Roe, \$33.35;
Wm Burt, \$111.50; Home Union,
\$118.61; T E Baker & Sons, \$82.25;
Fred Heyden, \$302.50; D J Evans,
\$147.80; C J Thelen, \$33.25 vs Na-
tale Sibone

Oct. 17, 1931—NW FIRST AND SAN
Salvador Sts., San Jose. Coast
Electric Service Inc vs Mrs Julius
Westnitzer

Oct. 20, 1931—S 1/2 LOT 8 BLK 3
R L San Jose vs C J Thelen vs
Steve Patterson.....\$431.49

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded Amount
Oct. 17, 1931—LOT 6, Baynton Subd,
San Jose. Williams & Russo, Inc
to Steve Yakobovich.....\$159.77

BUILDING PERMITS

STOCKTON

DWELLING and garage, brick veneer,
\$5000; No. 87 West Alpine St.,
Stockton; owner, Wm M. West,
144 Euclid Ave., Stockton; con-
tractor, Randolph & West, 144 Eu-
clid Ave., Stockton; contractor,
Randolph & West, 144 Euclid Ave.
REMODEL building, \$2000; No. 21-15
E- Washington St., Stockton;
owner, M. C. Tabacco, Premises.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded	Accepted
Oct. 24, 1931—LOT 7 E 1/2 LOT 6 Blk 6, Oxford Manor, Stockton, George F. Schuler to T. E. Williams S. B. Oct. 23, 1931	

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded	Accepted
Oct. 20, 1931—PTN LOT 16 BLK 13, Amended Richmond Traffic Center, A. Leino to whom it may concern Oct. 19, 1931	
Oct. 20, 1931—LOT 36 and S 1 1/2 Lot 37 Blk 6, Richmond City Center, Earl W. Peck to whom it may concern Oct. 19, 1931	
Oct. 23, 1931—LOTS 24 AND 25 BLK 8, Richmond City Center, David Dryden to whom it may concern October 22, 1931	

LIENS FILED

CONTRA COSTA COUNTY

Recorded	Amount
Oct. 20, 1931—PTN LOT 16 BLK A Map No. 3, Ptn of Parkside Addition and Racetrack Subdivision, E. K. Wood Lumber Co. vs R. L. Barney; F. A. Barney and Ira K. Rose \$231.45	

COMPLETION NOTICES

MARIN COUNTY

Recorded	Accepted
Oct. 20, 1931—SAN ANSELMO, F. C. Estep to whom it may concern	

LIENS FILED

MARIN COUNTY

Recorded	Amount
Oct. 19, 1931—BALTIMORE PARK, Larkspur, Geo. A. Shields and Delmar Turney vs Frank L. Kellogg \$376.50	
Oct. 20, 1931—BALTIMORE PARK, Larkspur, Val Nichelini vs Frank L. Kellogg	\$400

COMPLETION NOTICES

SONOMA COUNTY

Recorded	Accepted
Oct. 23, 1931—OFF MOUNTAIN Ave., Petaluma, R. H. Cochrane to The Cochrane Lumber Co. October 19, 1931	

LIENS FILED

SONOMA COUNTY

Recorded	Amount
Oct. 22, 1931—M. J. POST RANCH parcel 1, 37 acres m or l; parcel 2, 28.82 acres m or l, near Healds- burg, Mills & Dean vs Lois E. Post and Larry Comerford	\$89.32

LIENS FILED

MONTEREY COUNTY

Recorded	Amount
Oct. 20, 1931—LOTS 27 AND 29 BLK 10 Map of Oak Grove, F. O. Baker vs Eileen and Charles Howard	\$32.25
Oct. 22, 1931—S 127 1/2 LOT B; all Lot C and N 4 1/2 Lot D Blk 2, Riker's Addition to Salinas, San Jose Iron Works vs Mrs. J. E. Mc- Dougall also known as Mattie Mc- Dougall	\$169

COMPLETION NOTICES

MONTEREY COUNTY

Recorded	Accepted
Oct. 22, 1931—LOT BLOCK 118, Carmel-by-the-Sea, Helene S. Eickhaker to C. M. Hall	Oct. 16, 1931

BUILDING PERMITS

SACRAMENTO COUNTY

RESIDENCE, 8 room & garage, \$6500 2716 10th Ave., Sacramento; owner, H. P. Bonnikson, 2744 Donner St., Sacramento; contractor, Thos. A. Scott, 1602 11th St., Sacramento.	
RESIDENCE, 5-room & garage, \$3000; No. 1322 44th St., Sacramento; owner, Peerless Securities Co.; contractor, Klein Co., 1009 8th St., Sacramento.	
RESIDENCES (3) 5-room and garages \$2750 each; 600-604 21st St. and 2020 F St., Sacramento; owner, Progressive Investment Co.; con- tractor, J. D. Haworth, Morse Ave., Sacramento.	
RESIDENCE, 8-room and garage, \$4100; No. 1782 11th Ave., Sacra- mento; owner, J. J. Haley, 2730 21st St., Sacramento; contractor, A. R. Greeman, 4041 11th Ave., Sacramento.	
BUILDING, one-story, \$5000; No. 1633 U St., Sacramento; owner and contractor, Jos. Pedone, 914 S St., Sacramento.	
GENERAL repairs, \$2000; No. 3013 K St., Sacramento; owner, A. G. Pape, Premises; contractor, M. G. Burnside, 2022 First Ave., Sacra- mento.	
RESIDENCE, 3-room, \$2000; No. 3830 Jeffrey Ave., Sacramento; owner, L. D. Harden.	
GARAGE, \$1000; No. 2025 Third St., Sacramento; owner and contractor, Manuel Achiquico, Premises.	
GENERAL repairs, \$1500; No. 1519 11th St., Sacramento; owner, Anna Schacht, Premises; contractor,	

Chas. Vanina, 2022 M St., Sacra-
mento.
RESIDENCE, six-room and garage,
\$6500; No. 741 33rd St., Sacra-
mento; owner, Jos. Richmuth;
contractor, H. R. Lock.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded	Accepted
Oct. 23, 1931—LOT 26 BLK 12, Maple Park, Sacramento, S. E. Heden to whom it may concern	October 22, 1931
Oct. 23, 1931—PTN N 1/2 SEC. 7-6-6 which li W of right-of-way of Central Pacific Railroad contg. 234.65 acres. Harry S and Flor- ence Markofer to whom it may concern	October 22, 1931
Oct. 24, 1931—LOT 11 BLK 6, City Park Terrace, Stockton. Bryan T. Parsons to whom it may concern October 20, 1931	

LIENS FILED

SACRAMENTO COUNTY

Recorded	Amount
Oct. 19, 1931—LOT 17, Haggen Bot- toms Sub. No. 1, Sacramento. Gen- eral Supply Co., Inc. vs Leo A. Garske, Haggin Bottoms Land Co. \$410.84	

COMPLETION NOTICES

FRESNO COUNTY

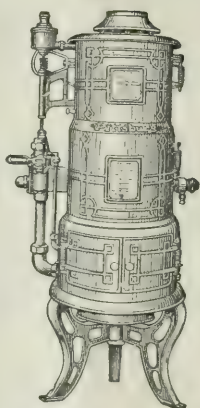
Recorded	Accepted
Oct. 24, 1931—LOTS 11 AND 12, Speedway Terrace, Fresno, F. N. Growdon to whom it may concern Oct. 17, 1931	
Oct. 24, 1931—LOTS 17 TO 23 BLK 83, Fresno. Wonder Inv Co to O. R. Osterode	Oct. 17, 1931

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BUILDING *and* ENGINEERING NEWS

Publication Office
547 Mission Street

SAN FRANCISCO, CALIF., NOVEMBER 7, 1931

Published Every Saturday
Thirty-fifth Year, No. 45

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Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

M. T. CLARK HEADS VITAGLASS CORP.

Milton T. Clark, formerly president of the Campbell Industrial Window Company and vice-president of the Truscon Steel Company, has been elected president and director of the Vitaglass Corporation. Percy H. Jennings, formerly president of the Vitaglass Corporation, has been elected treasurer and chairman of the board of directors.

Milton Clark is well known in the Pacific Coast district, having been chief of the Municipal Bureau of Architecture of San Francisco from 1913 to 1920. During his administration the major work of reconstruction following the fire of 1906 was carried out, including the design and erection of the city hall, the municipal auditorium, major units of the San Francisco Hospital, many schools and other public structures.

Following his leaving the employ of the city of San Francisco, Clark joined the Truscon Steel Company as manager of its window division, and in February, 1928, was elected president of the company.

Last year Clark was made president of the Campbell Industrial Window Company, a division of the American Radiator-Standard Sanitary Corporation, which post he resigned prior to accepting the presidency of the Vitaglass Corporation.

Vallejo Carpenters Accept \$2 Cut and 6-Hour Working Day

Members of the Carpenters' Union, Local 180, of Vallejo, have voted to accept a \$2 per day wage reduction on the basis of a six-hour day. A meeting will be held today to discuss methods of overcoming the opposition.

John Sullivan, pioneer contractor of Vallejo, expressed approval of a six-hour day. Benefits will accrue both to the worker and the contractor under the six-hour day plan, Sullivan said.

The worker will have more relaxation and his efficiency will be increased, he stated.

Members of the Builders' Exchange, on the other hand, have opposed the carpenters' action. They assert that the plan will raise the wage scale from \$1.12½ per hour to \$1.16½ per hour. The builders, led by President Louis Claus, propose maintenance of the present wage scale, with adoption of the five-day week.

The Carpenters' Union local of Vallejo will consider the action of the Builders' Exchange at today's meeting.

According to Associated Press dispatches dated from New York, October 27, the Republic Steel Company reported for the September quarter net loss of \$2,708,077, compared with net loss of \$1,815,509 in the September quarter last year.

U. of C. Regents Adopt New Rule on Building Contracts

That contractors who wish to bid on construction work at the University of California, may not be inconvenienced, Comptroller Luther A. Nichols announces a new ruling adopted by the Regents, to the effect that financial statements must be filed by prospective bidders before they can secure plans and specifications. If such statements are not filed, Nichols warns, contractors may be seriously hampered when they wish to submit bids. This rule is similar to one adopted by the State of California in connection with its construction work.

Because of the fact that calls for bids for construction at Berkeley, Los Angeles, La Jolla and Riverside soon are to be issued, Nichols stresses the fact that the financial statements should be filed as soon as possible. Blanks for this purpose may be secured from the office of the Comptroller at Berkeley or Los Angeles.

The rule has been established, the comptroller says, so as to eliminate from bidding contractors who are financially unable to carry forward construction work for the University satisfactorily, and to relieve them of the embarrassment of having bids rejected after submission.

ILLINOIS WAGE LAW DECLARED INVALID

The Supreme Court of Illinois on October 20 by a unanimous decision declared unconstitutional the state prevailing wage law, which by its terms became effective July 1. The law required that in all contracts for public work, including road building, there shall be a clause requiring the payment by the contractor of not less than the rate of wages prevailing in the community where the work is being done and that the workday shall not exceed eight hours.

An appeal to the Alameda County supervisors to create jobs for the unemployed was voiced by Frank Sullivan, president of the Consolidated and Federated Improvement Clubs of Alameda County, speaking in behalf of organized labor. Sullivan asked that the supervisors specify that road work be done by hand labor wherever possible. Supervisor William J. Hamilton, chairman of the board, recommended that Sullivan see County engineer George Posey to determine what can be worked out along that line on the Skyline boulevard job, now pending.

EXTENSIVE LUMBER CURTAILMENT URGED

Extensive curtailment of lumber production was urged last Tuesday in Washington, D. C., by the Timber Conservation Board as a means of restoring stability to the industry.

The board, in its report to Secretary Lamont on the need for the remainder of this year and the first half of 1932, said there had been material reduction of stocks throughout the country. This was the case, it said, despite the fact that "some important factors in the industry are not participating in the effort to restore the lumber supply and demand equation to a condition of reasonable balance."

"But," the report added, "the industry as a whole has been more promptly responsive to the constructive recommendations three months ago placed before it for guidance than at any time heretofore in the recent history of the industry."

There was, however, an excess of stocks over anticipated requirements of 4,500,000,000 board feet on October 1, the report said. The stocks of small mills were reported relatively low. Large mills hold the majority of present excess stocks.

ROAD MEN STUDY PAVING FINANCE

Methods of financing city pavements are being studied by the city officials' division of the American Road Builders' Association, according to A. Harrington Plummer, engineer, Detroit Bureau of Government Research who is chairman of the committee.

What portion of the cost of a pavement should be borne by the general public in initial pavement, repavement, resurfacing, and source of revenue from which to pay the general public's portion of this cost?

On no other question relative to the financing of pavements does there exist a wider divergence of opinion and practice among city officials. A carefully selected committee will, at the time of the convention, have spent months on a thorough investigation of this subject and will submit definite conclusions supported by authoritative data as to the solution of this problem.

Other members of the committee are: A. D. Butler, city engineer, Spokane, Wash.; J. F. Hale, city engineer, Dayton, O.; W. W. Horner, chief engineer of sewers and paving, St. Louis, Mo.; J. J. Jessup, city engineer, Los Angeles, Calif.; D. L. Lewis, city engineer, Fort Worth, Texas; M. S. Murray, director of public works, Kansas City, Kans.; W. E. Sheehan, city engineer, Jacksonville, Fla.; Capt. H. C. Whitehurst, engineer of highways, District of Columbia, Washington, D. C., and J. M. Young, city engineer, Dallas, Texas.

TRADE ASSOCIATIONS AND THEIR NECESSITY IN INDUSTRY

By Leo. H. Shapiro, Attorney-at-Law, San Francisco.

Political, social and economic conditions throughout the world confront us with grave problems. We must appraise whatever has been achieved in order to determine the course to follow. Large business has been condemned as illegitimate, predatory, subversive of public rights and injurious to public welfare. It is needless to deny that many abuses are practiced in the field of industrial operation, but no one can question that many of these abuses can and will be eliminated through the constructive forces to be developed by a human and scientific laboratory, which all businesses will have to develop. Just as the illness of man, in many instances, have been conquered by man's zeal for research along scientific lines in the great research laboratories of the world, so will the economic ills of man be so conquered by a careful and scientific study of causes of conditions and the elimination thereof from our economic life.

Industry is now called upon to deal constructively with different emergency conditions in an endeavor to correct the coils of an over extension in productive processes and an unwarranted inflation in security values that has produced a business depression of longer duration and more severe in its effects that any which this country has sustained in two generations.

The only method of dealing with these conditions is for industry to organize and set up the machinery of research so as to find not only the remedy, but to prevent, if not totally, at least to minimize the effects of depression.

Mass stabilization of industry by lawful methods will be the outstanding business achievement of the immediate future. Trade Associations dealing with entire industries will be the laboratories in which ideas for lawful mass stabilization of industry will be worked out. These associations, properly organized and performing their work in a lawful manner, will confer upon mankind a benefaction comparable only to the untold blessings that have resulted from the control of disease by modern hygiene.

Such associations are not only essential in promoting progress, but they are a necessary benefit to members, customers and to the public. Most of the problems which confront the individual business man and which he cannot solve alone, are shared equally with his competitors, his customers and the public. Success will depend upon the co-operation of all interests involved.

Every industry has its problems, some basically economic, others more specifically related to production or selling, that can be overcome more effectively by co-operation than by any individual action. Of course it remains to be seen that Trade Associations can only be as strong as their individual constituents. The proper Trade Association, properly organized, must have high ideals and motives, actuated by a common bond, not only to insure prosperity for its members, but likewise for the general public, for it is an axiom that nothing can succeed unless it is supported by public opinion. It is a hopeless task to place too great a reliance upon mutual agreements until

honesty becomes a part of a man's character.

Business men of today have become more enlightened and more intelligent, better educated, and that makes for legitimate prosperity and happiness.

Organized co-operation, supporting, a well-developed practical program, opens a way for important accomplishments that would advance the industry and promote individual success and public welfare. Research to develop new uses, new markets and reduce costs, advertising, education and many similar activities can be economically and more effectively promoted than would be possible if entrusted to individual action. There should be no hesitation in the acceptance and application of wholesome co-operation among competitors. It offers the only way to a larger business, a better business and satisfactory profits. There is no other answer. Either competition will fall to the level of vicious fighting and trade demoralization, or it must adopt a practical plan of co-operation. Men working together sincerely for a common end and a common purpose, can so organize their energies that problems fade before them and limitations recede. It is then that the individual prospers the most.

The industrial and commercial contest of the next twenty years will be cyclonic in its intensity. It will be vast and magnificent. Sales managers are just beginning to realize that business is in its dawn, and that victories of the past are small in comparison with the victories of the future. Just as the master word of yesterday was "Initiative"—so the word of today is "Co-operation" and the word of tomorrow "Co-ordination."

The efficient association is one reason for America's famed team-work in business. It serves as an enlightenment of selfishness, a generosity on the part of the big fellow to help the little fellow. It has already taught us that the main secret of a successful business and a happy life is to climb from retaliation to reciprocity.

Without the trade association there is no assurance whatever of a normal stability of an industry. An instance so small as the releasing of a destructive cut price policy usually inspired by some imaginary grievance and by a single company will kindle the flames of bitter retaliation and all the evil consequences of *gröds*, animosities, hates and jealousies.

A well organized trade association offers the sole hope of preventing impulsive acts. The appeal to justice and fairness usually succeeds in quieting the vicious thoughts that flash in the heart of temper.

The lesson of co-operation as advocated by the trade organization has prevented many a costly price war that otherwise would have proved expensive and disastrous for the entire industry.

The constructive moral influence of the trade association, its respected leadership and its stabilizing qualities all go to create a force of second appeal for calm, patient and fair consideration as substitutes for the rash deeds of temper that otherwise must find some outlet to soothe the mind of the one who thought himself the victim.

It is a mistake to think that price fixing is the ultimate aim of stabilization. American business is volatile and requires greater freedom than would be permitted under any definite plan of price fixing. But that is no indication that we do not require greater stabilization in our marketing plans.

Trade associations are permitted to collect and disseminate information regarding production, stocks and shipment. Statistics and cost accounting are fundamental to the intelligent conduct of any business. An essential requirement for successful management is in prompt and accurate information on available business and market quotations. Another essential requirement is a knowledge of the cost of manufacturing.

Another intelligent and progressive step as advocated by Trade Associations is cost accounting. The law, as well as economic and business thought, has already recognized the evils of over-production, wide price cutting and such unsound practices as the marketing of products at a price which bears no rational relationship to the cost of production. The recorded annals of industry will reveal the great number of instances in which the ignorance of cost on the part of one member of a small group within an industry has caused the industry to sell without an adequate margin of profit, or at no profit at all.

Industrial and commercial research forms a major activity with Trade Associations. Commercial research is in its infancy. Typical investigations of the National Retail Dry Goods Association include operation of bargain basements, personnel shopping service, merchandise control of stocks, receiving and marketing procedure, store closing hours and vacation policies. These activities are of the utmost interest to the consuming public, because their results are expressed in permanent economies.

Simplified practice, meaning the collective effort of an industry to reduce waste in the production and distribution of its product through elimination of unnecessary varieties, sizes, dimensions, grades or quality is now a widely recognized and well-established Trade Association activity. A concise statement of the benefits derived from simplified practice may be epitomized as follows:

- (A) To the Manufacturer: More economic manufacture, better scheduling of work; accurate cost accounting; more efficient labor; less capital tied up in raw material.
 - (B) To the Distributor: Increased turn-over; less overhead and better service; decreased capital requirements for maintenance of store.
 - (C) To the Consumer: Better value for money; better quality; prompt delivery; quick replacement service; lower maintenance cost; protection against unscrupulous traders.
- Industrial standardization stabilizes production in employment, reduces selling cost, enables the buyer and seller to speak the same language, lowers cost to the public, makes efficient and quick delivery of commodities, decreases litigation, eliminates indecision, both in production and utilization, eliminates practices which

are merely the results of accident or tradition.

A few other activities which Trade Associations, without specifically mentioning their benefits, but which as a whole have improved industry, are as follows:

Public relations, commercial arbitrations, credit and insurance departments, employer and employee relationships, traffic and transportation service bureaus.

What has been set forth herein is merely an indication of the good work that can be accomplished if these potential powers of co-operation are extended to their logical conclusion. Our strongest weapon is education. By hammering indisputable facts home again and again to every member of an industry the influences that promote price cutting can be reversed.

Education should start by destroying the illusion that greater profits can be obtained from an increase in volume secured by price cutting. When this illusion has been destroyed the root of the price cutting evil will be eliminated.

We can do much to effect this education through co-operation through coming together and honestly discussing our problems. Around a conference table, in trade association meetings, the education is possible and without circumscribing the rights of individuals.

If the executive heads of each company within an industry cannot put a stop to cut-throat competition and price cutting, then the Government may be forced to do so.

Those who insist upon price cutting and destructive competition as a means of obtaining their business must will afford to stop and consider just what may be in store for them. Labor supported by public opinion, will insist upon profitable operation of our industries. If the present management cannot succeed then it must step aside for another method of control.

There was never a time when the important function of the trade association has been so definitely demonstrated as at present. Its guiding influences have been constantly at work during the period of recent depression and to a large extent it has prevented what might have been a far more serious situation. The results of its efforts have not always been of a definite nature, yet their contributions have been direct and effective. We have gone through the greatest economic depression in history without an uprising or any violent social disturbance.

The value of such well organized trade associations to their membership can be readily estimated by even a casual inspection of the records of accomplishment already attained.

Our Trade Associations are mediums of reciprocal understandings. We look to them to encourage efficiency and promote better relations, by broadcasting to the public the truth about our industries and the facts to which they are entitled. We must look to our organizations for new markets, for leadership in the elimination of waste, and the never-ending search for more economical methods of service and of distribution. Our co-operative associations are constantly casting their searchlights on the real problems confronting our industries.

Under the leadership of trade associations we can expect and depend upon a permanent industrial prosperity.

It is under such conditions that increased consumption and lower prices can be insured. The public, including labor, have at all times much to gain from their constructive activities.

An efficient association functions as the spokesman for its industry. It is ever on the alert to protect and promote the businesses that it represents. It preserves public welfare and forms an immediate contact with the government in times of emergency. It presents an organized front through organized leadership.

It has been our trade organizations, our conferences, conventions and meetings, that have tended to increase the sum total of knowledge of their members. There have been too many who have been indifferent to the opportunities offered. We cannot escape the fact that the non-cooperator has been too busy with his own affairs to appreciate properly the world or the community in which he lives. He has been too preoccupied to realize that the crisis facing his business today will require, before it is over, a more intimate cooperation, not alone by the leaders of his industry, but by the rank and file of all of its business men.

The challenge to industry today is whether we are going to meet the issue and solve it effectively, or whether we are going to invite the Government to do it for us. We have witnessed to do it for us in Germany and what happened in Italy. Extreme individualism in industry and trade has been replaced by a state dictator. Russia is doing the same, only through a different political method.

The people of the United States have declared for a democracy and American industry is confronted with the serious necessity of proving that these economic emergencies can be successfully coped with under a democracy, that these business problems can be solved through co-operative effort and without recourse to governmental interference. This is certainly a time when we should all be willing to submerge our willful desires, our selfish ambitions for the betterment of our industries and trades and thus prove our ability to co-operate for progress.

The Trade Association has demonstrated effectively the power of organized co-operation, and with a new and intelligent membership, guided in the proper method and along the proper lines, and with a high social vision in which we have learned that we are our brother's keeper, and that our prosperity depends upon the prosperity of one another, we shall go forward to meet the challenge that now faces us. This can be accomplished only by intelligent and co-operative effort.

The Trade Association offers that leadership which is necessary to overcome our present economic ills, that leadership which calmly and with poise studies the situation, and with confidence and determination finds and shows the solution, and with courage follows the path to better things with swift and sure execution.

Trade Associations, with a unity of purpose and thought and continuity of effort and organization, place a firm hand on the rudder of our economic life, to change the helpless drifting into a well-charted course. We hope that in that way they will bring about a normal economic life where there is a fair field and no favors, a fair wage for the wage earners and a fair return for capital to be assured to every citizen in these United States.

Plymouth Locomotive Works of the Fats Root-Heath Co., Plymouth, Ohio, has issued a 12-page illustrated bulletin describing Plymouth gasoline locomotive in 2½-, 3-, 3½-, and 4-ton sizes equipped with Ford engine and four-speed truck transmission.

Out-of-State Bidder Fight Goes to Court

The fight over award of highway contracts in Massachusetts has reached the state supreme court, where a petition was filed on Oct. 15 for a writ of mandamus to compel the governor's executive council to approve or disapprove a contract entered into by the state department of public works and Arute Brothers, Inc., of New Britain, Conn., to construct a section of state highway in the town of Randolph for \$51,092.

The issue is whether Massachusetts highway contracts can be awarded to bidders outside the state.

The supreme court petition was filed by counsel for Arute Brothers, and asks that the executive council be ordered to act upon the merits of the case without regard to extraneous considerations. The Arute bid was \$300 less than that of the next bidder.

NEW LUMBER FIRM FILES INCORPORATION

Incorporation papers showing the \$7,000,000 merger of the Fatten, Blinn and Russ lumber companies have been filed with the Secretary of State. The new organization will be known as the Fatten-Blinn Lumber Company, with headquarters in Los Angeles. The merger includes the company headed by Henry S. and Fred W. Patten of Pasadena, the L. W. Blinn Lumber Company and Russ Lumber and Mill Company. Directors included are the two Pattens, E. W. and A. S. Davies of Los Angeles and W. F. Davies of Pasadena.

Vast properties in Arizona and Southern California are brought together under the merger. The oldest of the firms was the L. W. Blinn Company, established at Tombstone, Ariz., in 1885. The Russ Lumber and Mill Company was established in 1885 at San Diego and shortly afterward opened yards in the San Bernardino valley. The Fatten Davies Lumber Company was formed at Pasadena in the nineties.

"The prevalent idea that Federal aid money for highways is an unconditional gift to the State is not true," says California Highways and Public Works. "The checks from Washington do not come in like Christmas gifts. The payments are on work already finished and paid for in the first instance by the state. They represent an approval payment on work initiated and carried through by the Highway Division under Federal approval. Always, the state must first earn the money by making its exhibit of work accomplished. Up to August 1st of this year the allocations of this fund to California had reached \$17,899,055, of which \$3,077,154 has been paid. Sometime in December, the balance, about \$4,500,000 is expected to reach the Division Treasury. Federal aid for highways began in 1916 as a result of the government's recognition of the need of interstate and local roads for the movement of commerce in time of war. It was first predicated on the assumption of Federal interest in post roads, but was gradually developed to its present wide and liberal application. It was really not until 1921 that the system was raised to its present status of well defined policy and liberality. Not alone the money, but the co-operation of the Federal engineers is available to the great program. The co-ordination of Federal and state interests is so well accomplished that their programs move in helpful unison."

THE OBSERVER

What He Hears and Sees on His Rounds

Members of Local 180, Carpenters and Joiners of Vallejo, Calif., have voted to reduce their wages from \$9 to \$6.75 per day. The union men are making the pay cut in the interests of a six-hour day in Vallejo.

The experts who are striving at all times to reduce the casualty lists in employment were given a cheer by the Appellate Court in San Francisco when an award was confirmed that landlords have obligations to care for tenants. The lower court gave damages for injuries received when a door on a folding bed decided to go back to the perpendicular. Safe, if not comfortable, beds now have judicial approval.

The license fee of master plumbers in San Jose has been reduced from \$100 to \$50. The \$5,000 bond required has been reduced to \$1,000.

Before the reductions can go into effect, a new ordinance must be prepared by the city attorney and passed by the council. Since two weeks is required for final passage and an ordinance does not become effective until 30 days thereafter, it is unlikely that it will be in force before the city's new fiscal year, starting December 1.

The council took action upon a petition of 18 local plumbers, asking the reduction of the \$100 fee to \$25 and reduction of the \$5,000 bond to \$500.

Solid rock for one of the main foundations of the San Francisco-Oakland bay bridge has been found twenty-five feet above the expected level, according to Charles E. Andrew, State bridge engineer. He declared that this result was highly encouraging, and indicates a substantial saving in costs on this particular pier.

The drillers exploring the bottom of the bay 3000 feet west of Yerba Buena Island hit rock 125 feet beneath the water surface, instead of 150 feet, the most optimistic estimate. Drills already have sunk forty feet into this solid bedrock, indicating that it will provide a secure foundation.

Next week explorations will be commenced east of Yerba Buena Island. Drilling off piers 22 and 24 will be deferred until later.

Hereafter eight hours instead of nine will measure the length of a day for all maintenance forces of the Indiana state highway department. As labor is paid on an hourly basis, the same amount of work will be spread among more men with no additional cost. A. H. Hinkle, maintenance superintendent, in his letter to district engineers and superintendents of 33 cities of the state, stresses the importance of obtaining new employees from local relief agencies. The latter, he stated, are to be impressed with the fact that only able-bodied men are capable of doing highway work, since it is hard and subjects the men to severe climatic exposure at times. A few weeks ago the commission absorbed more than 400 miles of county roads into the state system, which has been the means of providing employment in many localities widely over the state.

The State Industrial Accident Commission has been informed that the open caisson method is planned in constructing the San Francisco-Oakland Bridge.

This will do away with the occupational hazards that follow the use of compressed air in caisson work. Two reasons were given, (1) that the depth of operations will prevent the men toiling in the more dangerous way, as it is impossible to protect workers too far below the surface under compressed air, and (2) there are no engineering problems in following the open system, which has been successfully used for years.

"This is good news," says Will J. French, director of the State Department of Industrial Relations. "The risk known in construction parlance as 'the bends' is difficult to face. It affects the blood, and if unusual care is not taken in releasing men from the terrors of compressed air, the results are likely to be disastrous, if not fatal. This points once more to the energies, scientific and practical, that are now devoted to saving human life and conserving men against the risks of employment."

Possibilities of stabilizing business and employment, so as to lessen the effects of the present business recession, will be given major attention at the Western Division Meeting of the Chamber of Commerce of the United States, to be held at Spokane December 4 and 5. This meeting will bring together representatives of all forms of business and industry west of the Rocky Mountains and of Alaska and Hawaii.

The employment stabilization plan of the California State Chamber of Commerce, in effect during the last six months and which has had the active support of 450 business firms employing more than 200,000 wage earners, will be a topic of discussion at the meeting. The program of the California State Commerce body has resulted directly in the retention of many thousands of workers. It includes both industrial and farm labor. It should prove of great interest at the Spokane meeting. A thorough discussion of the plan will undoubtedly assist other sections of the country in an attempt to halt the progress of unemployment.

Oscar Rosenthal, Chicago contractor, speaking before the National Retail Lumber Dealers' Association in Detroit last week, declared that the construction industry is operating at 30 per cent capacity, and that there can be no general prosperity until it is on its feet.

He urged that members of the association demand of their governors that they start statewide programs of modernization to aid in recovery of the industry, which, he said, affects directly almost one-fourth of the country's population.

"An average of \$200 spent on every building in this country would do the job," he said.

Birmingham, Alabama, now engaged in waging an "Own Your Home" campaign through the distribution of circulars, and the use of illuminated

billboards, has issued a statement showing the total cost of a five-room bungalow and lot, including furnace, shrubbery, grass and yard work to be \$6132.80.

This figure can be duplicated in almost any other American city, according to the campaigners.

Complete furnishings for such a home can be had for \$3,000 which includes an electric refrigerator, linens and draperies, it is said.

Boulder City, Nevada, is pondering over the ruling of the comptroller general of the United States that Boulder Canyon project funds cannot be used to maintain schools there. The model city will be without educational facilities until Congress makes a special appropriation, which residents regard as improbable. There are 300 children living in Boulder City, but only 50 of them can afford to pay transportation costs to Las Vegas and the tuition charges.

During the month of September the total number of cars of revenue freight loaded within the states of California, Arizona, Nevada and the western half of New Mexico, amounted to 126,059, a decrease of 39,067 cars, or about 24.0%, compared with the same period of 1930. This was the statement released yesterday by G. A. Leithner, District Manager of the Car Service Division, American Railway Association.

"By far the largest items in this decrease," states Leithner, "are lumber and forest products, perishables and miscellaneous products, consisting mainly of cement gravel, rock and sand, as well as brick and clay products."

James A. Farrell, president of the United States Steel Corporation, informed the Senate Manufacturers' Subcommittee last Thursday that activity in the steel industry is on the up-grade.

Employment in the steel corporation, he said, had dropped from 94 per cent of normal in the first part of this year to 77 per cent in August and September, but is beginning to show an upward movement.

He testified that no stabilization of production was attempted by the Iron and Steel Institute.

Farrell expressed opposition to abolishing the Sherman anti-trust law, but thought it might be possible to modify that act to permit sane stabilization.

Ford Motor Company last Thursday announced that its shops have returned to the \$6-a-day minimum wage which was in effect before Henry Ford increased it to \$7 on December 1, 1929.

The announcement, which said the change was made three weeks ago, referred to the dollar added in 1929 as a "depression dollar," and to the \$7 rate as an "emergency." The increased wage, it said, cost the company \$35,176,101, or an average of \$1,600,000 a month during the 22 months it was in effect. Total payrolls for the 22 months, the statement said, amounted to \$397,442,837.

The increase to a \$7 minimum which, the statement said, was accompanied by proportionate increases to employees drawing higher wages than the old \$6 minimum, was announced by Mr. Ford when he attended President Hoover's conference of business leaders at the White House shortly after the stock market collapse of 1929.

HERE—THERE EVERYWHERE

W. G. Homolya will operate (from 331 Front Street, San Francisco, under the firm name of Western Elevator Service Company.

James E. Roberts will operate from 2240 Nineteenth Avenue, San Francisco, under the firm name of The Phoenix Company (builders).

Albany, Alameda County, has adopted an ordinance exempting the city, county and state from the payment of fees for building permits.

Russell Guerne De Lappe and Vladimir Oglou, architects, announce removal of their offices from 1710 Franklin St., to 374 Seventeenth St., Oakland.

Chas. F. Masten and Lester Hurd, architects, announce removal of their offices from the Shreve Building to Room 610, 233 Post street.

Conrad Electric Co., capitalized for \$50,000, has been incorporated in Oakland. Directors are R. H. Conrad, C. A. Webb, R. D. Bishop and L. V. Rose.

Roy A. Klein, Oregon state highway engineer, has been re-elected to serve another four-year term by the Oregon State Highway Commission.

Salt Lake City, Utah, voted a bond issue of \$600,000 for finance construction of storm sewers. The work is being undertaken as a means to relieve unemployment. All work will be done by hand labor and only Salt Lake City residents will be employed.

Chas. Fenwick Allard, 64, engineer and inventor, for thirty years consulting engineer for C. C. Moore Company of San Francisco, died at his home in Piedmont last Sunday. He was a graduate of the University of California, class of 1888.

Municipal administration expenses in Denver, Colo., will be reduced about \$1,000,000 next year, but instead of reducing taxes, Mayor Regala announces that the revenue saved will be used in an unemployment relief program to hire more Denver citizens as city laborers.

The much-discussed, unemployment solving, sixteen-hour day is being tried out in the construction of the new state tubercular hospital at Salem, Ore.

Two shifts are working on construction, the contractors being allowed 120 days to complete the structure. One crew starts at six o'clock in the morning working until twelve noon and the next crew working to cease operations at six o'clock in the evening.

Recent practical developments in the design and construction of asphalt pavements are being studied by a committee of the American Road Builders' Association. Results of the investigation will be presented at the 29th annual Convention and Road Show in Detroit, January 11-15, 1932. The committee work is in charge of R. L. Morrison, professor of highway engineering and highway transport, University of Michigan, Ann Arbor, Michigan, as chairman.

Destitute architects, whose number is growing, will find jobs and homes in the country for the winter, if a

plan now under consideration by the Architects' Emergency Committee for the Region of New York, of which Julian Clarence Levi, Fellow of the American Institute of Architects, is chairman, is carried out.

Unemployed architects and draftsmen, nearly 1500 of whom are seeking work at the bureau maintained by the Committee at the Architectural League will, it is planned, be utilized in making repairs to estates, country clubs, golf clubs, summer homes, and farms.

Approximately 2600 men are employed on the Boulder Dam Project. Of 2201 men examined by the Six Companies only 101 were rejected for physical disability. An analysis of the force made when it totaled 2100 men show that 1089 of the number are married and that the average age is 34 years. Only 53 are foreigners. Forty-one per cent of the total are ex-service men. Of the total number employed 567 are from California, 253 from Nevada, 120 from Utah, 110 from Arizona, and 99 from Idaho. All states in the Union except Vermont and Delaware are represented among the remainder.

Arrangements have been made by the American Road Builders' Association for broadcasting 126 addresses on matters pertaining to highways. These addresses will be made over 42 independent stations. Three talks will be made over each station as follows: November 10, Highway Safety; November 24, Economy of Good Roads; December 8, Roadbuilding For Unemployment Relief.

The Italian government plans to spend about \$45,000,000 on public construction for the purpose of relieving unemployment during the coming winter, according to a report received by the commerce department from Trade Commissioner A. A. Osborne at Rome. Of this total \$32,000,000 will be expended on general road maintenance, repairs and improvements by the state highway administration. For repairs and rebuilding in two parts of the country that have recently been extensively damaged by earthquakes slightly less than \$2,000,000 will be allotted.

Fred E. and George Glatt will operate in the East Bay District under the firm name of California Laundry Equipment Company with headquarters in Oakland.

The chemical preservation of wood has solved the problem of making useful and profitable the lumber cut from small, second-growth timber coming up in place of the virgin timber of Europe's primeval forests, according to Axel H. Oxholm, director of the National Committee on Wood Utilization of the Department of Commerce, who has just returned from a three months' study of European wood-using practices.

Mr. Oxholm pointed out that contrary to many American species, most European woods do not possess natural lasting qualities to any marked extent, since they are mostly of second-growth timber, often of loose structure. The relative high sapwood content of most European species limits their usefulness, as far as durability is concerned. Wood preservation therefore has enabled the different European countries to extend the uses for native woods, thereby aiding plans for national economy.

"Wood preservation as an industry is much more important in the United States than in Europe but the mar-

kets for preserved wood products have largely been with the railroads and the public utilities," Mr. Oxholm said. "The National Committee on Wood Utilization, realizing that what is good economy in building and construction practice for the larger builders is also good economy for the smaller builders, is continuing its campaign for an extension of knowledge about treated lumber and its application in ordinary building construction."

"It is interesting to notice," he declared, "how man, through the application of the science of chemistry has greatly enhanced the properties of wood, one of our most important natural resources."

Simplified practice recommendation R 26-30, covering eleven standard sizes of steel reinforcing bars with areas expressed to two decimal places, has been published by the U. S. Bureau of Standards. Copies may be obtained from the Superintendent of Documents, Washington, D. C., at 5c. each or from the Concrete Reinforcing Steel Institute, Tribune Tower, Chicago, Ill.

An interesting booklet describing the mechanically operated activated sludge sewage disposal plant at Providence, R. I., has been prepared by the Door Co., 247 Park Ave., New York City, for distribution among members of the New England Sewage Works Association who inspected the works on Oct. 19. The new plant replaces one of the chemical precipitation type built 35 years ago.

Perhaps the most brilliant, beautiful and spectacular feature of the new Capitol Plaza in Washington, D. C., will be the "Terrace Fountain." The Plaza will extend from the Capitol to the Union Station and will include a large terrace development extending from the Union Station to the Capitol building. Built on rising ground, the terrace will conceal a large part of the housing of official automobiles and the great fountain will be constructed on the surface of this imposing terrace.

Color effects in the water will be produced by eight 1,000-watt lamps and 36 lamps of 250-watt power with red, amber and blue lenses. There will also be 44 specially designed lighting standards and luminaires to furnish illumination for the area surrounding the fountain.

The contract for floodlighting this "Terrace Fountain," designed by Bennett, Parsons and Frost, architects, has been placed with the Westinghouse Electric & Manufacturing Company.

The luminaires will be similar in design to those which will be installed later to light the "Capitol Plaza" area. Westinghouse also received the contract for the equipment necessary for the control of these lighting systems.

Reports of new orders for fabricated structural steel for the week ending October 10, 1931, were received from 100 establishments, whose capacity represented 54.2 per cent of the total capacity of all plants in the United States. The bookings reported by these establishments amounted to 15,367 tons, representing 30.7 per cent of the total capacity of reporting establishments. Reports of shipments of fabricated structural steel for the same week were received from 97 establishments, whose capacity represented 52.0 per cent of the total capacity of all plants in the United States. The shipments reported by these establishments amounted to 15,460 tons, representing 32.2 per cent of the total capacity of the reporting establishments.

\$1,357,340 IS S. F. BUILDING EXPENDITURE DURING OCTOBER

Building operations undertaken in San Francisco during the month of October, 1931, involved an expenditure of \$1,357,340, according to John B. Leonard, superintendent of the Bureau of Building Inspection of the Department of Public Works. During the month 583 building permits were issued as compared with 442 permits for the corresponding period in 1930 when the valuation registered \$2,292,210.

During the past ten months, Leonard reports the issuance of 5,648 permits for improvements aggregating an expenditure of \$19,386,086. In the first ten months of 1930, records of the Municipal Building Department show 5,655 permits issued for construction estimated to cost \$19,120,934.

The following is a segregated listing of the activities for the month of October, 1931, as compiled from records of the building department:

Class	No. of Permits	Est. Cost
A	1	\$ 30,000
B		
C	7	54,152
Frames	187	742,265
Alterations	380	158,539
Public Bldgs.	5	275,581
Harbor Bldgs.	3	95,403
U. S. Govt.		
Total	583	\$1,357,340

REJECTED CLAIM BRINGS LAWSUIT

Robert A. Klassen, engineer of work on the abandoned San Bruno sewer project, has filed suit in superior court in Redwood City to collect the \$3,550 engineering fees which San Mateo county board of supervisors recently refused to allow.

Klassen was appointed as engineer of work by former County Surveyor George A. Kneese. He incurred \$290 special expense, and charged the county 3 per cent of the estimated cost of \$109,900 as engineering fees.

On last July 13 the supervisors abandoned the project because of opposition.

MUNY WATER BUREAU AIDS UNEMPLOYED

Jobs have been provided for 1,300 men for at least 30 days by the Los Angeles department of water and power on construction projects started by the department, according to announcement of H. A. Van Norman, general manager and chief engineer.

For more than a month 1,000 men will be engaged in enlarging the capacity of tunnel lines between power plants 1 and 2 in San Francisco Canyon to provide water for an additional generating unit in power plant No. 2. Three hundred men are at work completing the enlargement of the aqueduct capacity to 470 sec.-ft.

Funds for this work are supplied from the \$38,800,000 water bonds voted in 1930. Funds for work on the tunnel enlargement between the power plants will be derived from power system revenues.

WATERWORKS BODY ELECTS OFFICERS

W. F. Goble of Alhambra was elected president of the California Section, American Water Works Association, at the annual convention of

that body in Stockton last Thursday. Other officers are:

Vice-president, R. F. Goudy, Los Angeles; secretary-treasurer, R. F. Brown, Stockton; members executive committee, L. L. Farrell, Oakland; George A. Elliott, San Francisco; J. R. Barker, San Francisco; E. W. Green, San Jose; Richard Bennett, Phoenix, Ariz.

Coronado was selected as the 1932 convention city. Registered delegates at the convention numbered 325.

FEDERAL AID FUNDS FOR ROADS AVAILABLE

Apportionment to the states of the \$125,000,000 previously authorized for federal aid in road construction for the fiscal year ending June 30, 1933, has been announced by the secretary of agriculture. The new funds are available to the states for immediate obligation on projected construction. The apportionment has been made 2 1/2 months in advance of the usual date in order that the states may get an early start on plans for next season's construction.

In making the apportionment 2 1/2 per cent was first deducted for administration. The remainder was then apportioned on the basis of area, population, and mileage of rural post roads.

From the apportionment of each state there was deducted one-fifth of the emergency funds apportioned last December. This deduction amounted to \$16,000,000, leaving \$105,875,000 as the net apportionment available for new projects.

HOME PRODUCTS FOR SACRAMENTO SCHOOLS

Local labor and local building materials are to be used as far as possible in constructing the three proposed new junior high schools at Sacramento, made possible through approval of the \$1,146,000 bond issue on October 6.

This was agreed upon at a conference meeting, attended by members of the city board of education, and Charles F. Dean, William E. Coffman and Harry J. Devine, architects for the schools.

Uniformity of design was discussed and the architects agreed to work harmoniously together to speed construction of the buildings.

The school board favored architects' fees amounting to 6 per cent of the cost of the schools.

\$50,000 IS ASKED IN CONTRACT SUIT

Another suit growing out of the \$71,000,000 Buck's Creek development project of the Feather River Power Company, in Plumas county, was filed in the superior court last Friday.

This latest suit, filed by a group of insurance companies as assignees of the claims of R. C. Storrie & Co., contractors on the project, asks for \$500,000, which is alleged to be the final payment on the contract. It is charged that after the purchase of the Feather River Company by the Great Western Power and the Pacific Gas & Electric Companies, this final payment to the contractors was not made.

Lumber Orders Slightly Above Production

Reports from 252 hardwood mills give new business as 20,060,000 feet, or 35 per cent above production. Shipments as reported for the same week were 29,982,000 feet, or 42 per cent above production. Production was 14,813,000 feet.

Reports from 485 softwood mills give unfilled orders of 491,123,000 feet, on October 24, 1931, or the equivalent of 10 days' production. This is based upon production of latest calendar year—300-day year—and may be compared with unfilled orders of 527 softwood mills on October 25, 1930, of 778,476,000 feet, the equivalent of 15 days' production.

The 417 identical softwood mills report unfilled orders as 477,516,000 feet, or the equivalent of 11 days' average production, on October 24, 1931, as compared with 734,126,000 feet, or the equivalent of 16 days' average production, for the same week a year ago. Last week's production of 457 identical softwood mills was 141,096,000 feet, and a year ago it was 209,825,000 feet; shipments were respectively 148,988,000 feet, and 138,805,000; and orders received 139,195,000 feet and 199,611,000. In the case of hardwoods, 215 identical mills reported production last week and a year ago 13,372,000 feet and 22,448,000; shipments 19,420,000 feet and 23,199,000; and orders 18,639,000 feet and 21,304,000.

Lumber orders were one per cent above the cut during the week ended October 24, it is indicated in telegraphic reports from 816 leading hardwood and softwood mills to the National Lumber Manufacturers' Association. No rise in the production level was indicated, the combined cut of these mills being given as 168,215,000 feet for the week. Shipments were reported 7 per cent above this figure. A week earlier 831 mills reported orders equal to the cut, 177,536,000 feet for these mills and shipments 9 per cent above this figure. Comparison by identical mill figures for the latest week with the equivalent period a year ago shows—for softwoods, 457 mills, production 33 per cent less, shipments 25 per cent less and orders 30 per cent less than for the week in 1930; for hardwoods, 215 mills, production 40 per cent less, shipments 16 per cent less, and orders 13 per cent under the volume for the week a year ago.

Lumber orders reported for the week ended October 24, 1931, by 532 softwood mills totaled 150,348,000 feet, or 2 per cent below the production of the same mills. Shipments as reported for the same week were 159,785,000 feet, or 4 per cent above production. Production was 153,405,000 feet.

The executive committee of the Electric Refrigeration Bureau, a national co-operative selling organization, will conduct a \$3,000,000 co-operative advertising campaign in 1932, it is announced by J. E. Davidson of Omaha, Neb., chairman of the bureau. This co-operative advertising, plus other advertising by electric refrigerator manufacturers, Davidson said, will total about \$18,000,000 during the year.

New library and science buildings will be erected at the University of Arkansas, Fayetteville, plans having been recently approved by the board of trustees. The buildings have been authorized by the legislature and will cost about \$725,000. The money will be raised by a tax on cigarettes.

CONFERENCE AIMS TO BUILD PROSPERITY IN CALIFORNIA

A plan to restore and promote the continuance of sound, prosperous conditions in California will be presented to the business, financial and agricultural leadership of the State, at the annual meeting of the California State Chamber of Commerce in Los Angeles, November 7-9th.

The entire program of the meeting, it is announced, is pointed toward adoption of the "California Plan," which will meet in a practical way the present economic situation confronting the State.

Labor stabilization, the stimulation of buying to bring about the necessity of hiring additional workers through all lines of industry, the promotion of sound agricultural conditions, increasing the demand for California made products on a basis of price, quality and service being equal, speeding up all public building and construction programs and the stimulation of private building enterprises, the promotion of one hundred million additional tourist dollars during the ensuing twelve months period, are all included in the project program designed to give California national and world leadership in prosperity.

It is estimated by State Chamber officials that more than one thousand men and women from all parts of the State, representing every line of California industrial life will be present.

The letter of invitation mailed to California leaders from Frederick J. Koster, President of the California

State Chamber of Commerce, states in part:

"This will be a two-day conference of the directors, regional council members and committees, for the purpose of reviewing and more clearly understanding our California plan, and then pressing forward for the betterment of conditions in agriculture and industry.

"Since our great gathering in San Francisco last year, economic conditions affecting most of us have changed materially. There has been forced upon us a keener realization of our interdependence and the fact that only through intelligently directed or organized effort can we hope to bring about an improvement.

"We have a plan that is attracting nationwide attention, and it is within our power, working through the State Chamber of Commerce, to improve and stabilize conditions in our varied industries and set a standard that the whole nation may applaud and follow.

"There was never greater need for earnest and intelligent planning. These are times which no one will deny provide a challenge to agricultural and business leadership, and I feel that everyone should be willing and ready to take part in this important conference of leaders from all over the state, and give such assistance as may lie in his power toward the serious task of restoring, and then promoting the continuance of, sound conditions."

there would be no loss in the purchasing power of the employees. But we have already experienced in numerous localities a definite and substantial increase in man-hour production which has resulted in lowering the labor costs in many trades as much as 15 per cent.

Since January 1 of this year actual hourly rates have been reduced in 18 large cities and in 14 of these there has been as great or greater decline in contracts, omitting federal work, as before the reduction took place. It is also interesting to note that the composite cost of the principal building materials has dropped approximately 9 per cent since the autumn of 1929. Labor seems to have done its part in relation to other commodities and some of our foremost contractors are advising their prospective clients that buildings can be purchased today for 20 to 25 per cent less than two years ago. Yet the volume of construction has been unaffected.

At present it is impossible to construct new buildings at a price to compete with the deflated values of existing structures and even if a reduction in labor rates helped toward this end, it is stabilization of wages far more than reduction that the country needs. At the present time it is difficult for a contractor to know what scale of wages is being used in the estimate of his competitors. This situation places an unfair advantage upon those who are willing to hire the cheapest labor regardless of its ability. The industry would render a service to itself and help the general economic situation if it would determine and adhere to a definite decision in regard to tradesmen's wages.

WAGE CUTS—WILL THEY BRING ABOUT BUILDING RESUMPTION?

Since January 1 of this year actual hourly rates in the building industry have been reduced in 18 large cities and in 14 of these there has been as great or greater decline in contracts, omitting federal work, as before the reduction took place.

The question arises—should wages in the building industry be reduced?

Here in California we have state legislation providing for the payment of the "prevailing wage" on projects undertaken by the city, the county or the state—as well as the Federal Government.

The term "prevailing wage" takes in a big territory. How about the term "wages actually paid"?

"General Building Contractor" of New York, says: "The industry would render a service to itself and help the general economic situation if it would determine and adhere to a definite decision in regard to tradesmen's wages."

The views of our Eastern contemporary are published here.—Editor.

From the General Building Contractor

The continued decline in the volume of building operations recorded for most of our principal cities forces the contractor to face the vital question of wage reduction for the employees of the building trades. Any problem so intimately related to the general economic situation is extremely difficult to analyze; we can only attempt to visualize the proba-

ble effect of such action in its relation to building operations.

The present wage scales, based on hourly rates, seem high as compared to those paid in other industries, but these have been determined largely by conditions existing in the building business. For example, seasonal employment is a most important factor in reducing the income of employees in the building trades. The only available research on this subject shows that during 1928, a comparatively prosperous year, the average building worker was employed only 190 days. This figure, representing a stability of 63 per cent, compares to a stability of 90 per cent for the railroad machinist and to that of 87 per cent in the automobile manufacturing trades. Viewed in the light of these figures, the present union wages cannot, in most localities, be considered exorbitant.

From those both within and without the industry we often hear the thought expressed that if wages were reduced, the resulting lower cost of building would induce more capital into construction and assist in the return of better times. It is doubtless true that the expectation of lowered wages tends to defer new construction, but would this condition be bettered by a reduction? If rates were lowered, let us say 20 per cent, would not the way be paved for a further drop and prospective owners left as uncertain as before? Furthermore, would the substantial stimulation by even a definite and fixed reduction? There would probably be some sporadic activity and if the resulting increase in employment offset the effect of the reduced rates

Calculator Computes

Wiring and Motor Data

Designed to compute complete wiring and motor data, the Square D Calculator is now being offered the trade by the affiliated Diamond E-Square D organization. It has been aptly characterized as the slide rule of the electrical industry. It is a handy, compact unit containing two separate and distinct calculators, one computing wiring, the other computing motor data. Its figures are distinct and legible and are protected by a waterproof celluloid covering.

The calculator is handy, fitting conveniently into the pocket. Because of its substantial construction, rough handling cannot in any way upset its precise calculations. For this reason it may be used as effectively in the field as in the office. Based on the latest issue of the National Electrical Code, it is reliable. Its operation is simple and its computations are accurate and dependable.

The wiring calculator, computing all interior and conduit wiring problems, will figure any one of four items—amperes, feet of wire, size of wire, percentage drop. From the motor calculator dial can be obtained the size of circuit switch, size of starting fuse, size of conduit, size of wire, running protection necessary and full load amperes of any of the three principal types of 220 or 440 volt, 3-phase motors.

Square D Calculator does away with mental or written calculations and eye strain, as well as trouble in locating charts and determining whether they have become obsolete. Its extreme simplicity and accuracy save valuable time and eliminate many costly errors.

Building News Section

APARTMENTS

Contract Awarded.
ALTERATIONS Cost, \$8,000
SAN MATEO, San Mateo Co., Cal.
 Bellevue and Claremont Aves.
 Alterations to two-story and basement
 frame and stucco apartments (new
 plumbing, electric work, new heat-
 ing plans, steam or warm air).
 Owner—A. Winkler, 422 S. Eldorado
 St., San Mateo.
 Plans by Grimes & Schoening, Bal-
 oach Bldg., San Mateo.
 Contractor—Buschke & Johnson, 235
 Third Ave., San Mateo.

Sub-Contracts Awarded.
APARTMENTS Cost, \$25,000
SAN FRANCISCO, S Chestnut Street
 137 W Laguna Street.
 Three-story and basement frame and
 stucco apartments (9 apts.)
 Owner—U. and L. Adda, 1725 Chestnut
 St., San Francisco.
 Plans by Owner.
 Contractor—G. Harder, 1233 41st Ave.,
 San Francisco.
Lumber—Sudden Lumber Co., Evans
 and Quint Sts.
Concrete—Seghieri Concrete Co., 35
 Cook St., San Francisco.
Structural Steel—Kern & Sons.
Electric—Aetna Electric Co., 1337
 Webster St., San Francisco.

Planned.
APARTMENTS Cost, \$30,000
RICHMOND, Contra Costa Co., Cal.
 NE 23rd St. and Macdonald Ave.
 Three-story apartment and store
 building (12 2 and 3-room apts and
 two stores).
 Owner—Withheld.
 Architect—Not Selected.
 Agent—Burg Brothers, 323 23rd St.,
 Richmond.
 More definite information will be
 given shortly.

Contract Awarded.
APARTMENTS Cost, \$11,000
SAN JOSE, Santa Clara Co., Cal.
 Mission and Second Streets.
 Two-story frame and stucco apart-
 ments (4 apts).
 Owner—Mabel Raley, 715 S-Fifth St.,
 San Jose.
 Architect—Not Given.
 Contractor—George Kocher, 1031 As-
 bury St., San Jose.

BONDS

PALO ALTO, Santa Clara Co., Cal.
 City council will call an election in
 the immediate future to vote bonds
 to finance construction of a sedimen-
 tation plant in which sewage will be
 treated before being dumped into the
 bay. J. F. Byxbee, Jr., is city engi-
 neer.

RIO LINDA, Sacramento Co., Cal.—
 Election will be called shortly by trus-
 tees of the Grant Union High School
 District to vote bonds of \$300,000 to
 finance erection of a new high school
 plant, plans for which will be prepared
 by Architects Starks & Flanders,
 Forum Bldg., Sacramento.

SAN DIEGO, Cal.—An election will
 be held Dec. 15 to vote on a \$300,000
 bond issue to provide for park im-

provements as part of the unemploy-
 ment relief program.

SAN FRANCISCO.—Voters defeat
 proposal to issue bonds of \$3,500,000 to
 finance erection of new schools and
 additions and alterations to standing
 school buildings. The vote was 56,070
 in favor and 34,395 against the issue.
 A two-thirds majority vote was re-
 quired. Defeat of the bonds means
 that there will be no work done on
 existing school buildings and no new
 ones started for at least a year. The
 school board set aside its pay-as-you-
 go building plan so that the tax rate
 for the next fiscal year might be kept
 at the former figure of \$4.04.

CHURCHES

Preparing Plans.
CHURCH Cost, \$—
LAS VEGAS, Nevada.
 One-story concrete church (to seat
 500).
 Owner—Church of the Latter Day
 Saints.
 Architect—Ray J. Ashton, Vermont
 Bldg., Salt Lake City, Utah.

HANFORD, Kings Co., Cal.—Rev.
 Roland E. Griffith, pastor, Church of
 the Nazarene, has withdrawn ap-
 plication filed with the city council seek-
 ing authorization to erect the first
 unit of a new edifice in Douty Street
 between 11th and Ivy Sts. Property
 owners in the vicinity protested grant-
 ing the permit. A new site will be
 selected. The first unit of the plant
 is estimated to cost \$3,000.

Factories and Ware- Houses

Steel Contract Awarded
ADDITION Cost, \$10,000
OAKLAND, Alameda Co., Cal. No.
 850 Forty-second Ave.
 Steel and concrete addition to factory.
 Owner—Clorox Chemical Co., 850 42nd
 Ave., Oakland.
 Plans by Owner.
Structural Steel: California Steel Co.,
 Inc., Second and Harrison Sts.,
 Oakland.
 Owner will do other work.

LOS ANGELES, Cal.—Canada Dry
 Corp., C. E. Van Landingham, local

SKILSAW Portable Electric Hand
 Saws (4 models).

SKILSAW Portable Electric Sander
SKILSAW Radial Arm Attach-
 ments.

SYNTRON Portable Electric Ham-
 mers (4 models, motor-
 less).

MALL Flexible Shaft Machines (60
 models).

Electric Drills, Grinders, Buffers,
 Routers, Lock Mortisers.

PETER H. NELSON
 Labor Saving Portable Electric
 Tools.

1248 Mission St. UNDERHILL
 San Francisco 7662
 SALES . SERVICE . RENTALS

representative, 423 E. Eighth St., will
 erect a new bottling plant in Los
 Angeles industrial district. Several
 sites under consideration.

LOS ANGELES, Cal.—Loose-Wiles
 Biscuit Company construction depart-
 ment, 811 Commerce Bldg., Kansas
 City, Mo., has completed plans for
 the first unit of the new manufactur-
 ing plant to be erected at Gage Ave.
 and Avalon Blvd. by the Loose-Wiles
 Co. (John Wiles, vice-president). It
 will be a one-story, masonry building,
 about 80x250 feet in area, and will be
 used for distribution purposes. It has
 not yet been determined whether work
 will be done by contract or day labor.
 Plans for the main factory to be
 erected on site are in course of prepa-
 ration but will not be completed for
 several months. Will be a 've- or six-
 story structure, about 150x250 feet in
 area. Owner has established a tem-
 porary office at 819 E 62nd St.

Contract Awarded.
HANGAR Cost, \$1,400
REDDING, Shasta Co., Calif.
 Corrugated iron hangar at Municipal
 Airport (60x60-ft.)
 Owner—City of Redding, Leslie En-
 gram, city clerk.
 Architect—Not Given.
 Contractor—R. B. McKenzie, Red
 Bluff.

Complete Bid Listing
 R. B. McKenzie, Red Bluff.....\$1,400
 J. P. Brennan, Redding.....1,430
 Chas. Akard, Redding.....1,437
 Rufus J. Bean, Ingot.....2,309

OAKLAND, Alameda Co., Cal.—
 Plant of the East Bay Iron & Metal
 Company, Twenty-fourth and Per-
 alta Sts., suffered a \$40,000 fire loss
 Monday night.

LONG BEACH, Cal.—W. W. Hogh-
 land, 259 Granada Ave., Long Beach,
 awarded contract for concrete foun-
 dations for two 25-ton stills to be
 built at the northeast corner of
 Cherry Ave. and Poppy St., Long
 Beach, for Fields Chemical Co., Ltd.
 R. D. Van Alstine, 410 E. 9th St.,
 Long Beach, prepared plans for the
 stills and is preparing preliminary
 plans for a two-story administration
 building, 100x40 feet, and a laboratory
 building to be built on the site. Con-
 struction will be brick and concrete.

November 5, 1931

Preparing Plans.
FACTORY Cost, \$—
SAN GABRIEL, Los Angeles Co., Cal.
 Del Mar Avenue.
 Group of three factory buildings (con-
 crete, brick and steel construction;
 120,000 sq. ft.)
 Owner—Eastern Airplane Mfg. Co.
 Plans by National Airport Engineer-
 ing Co., 775 E. Washington St.,
 Los Angeles.

Contract Awarded.
FACTORY & STORES Cost, \$20,000
OAKLAND, Alameda Co., Cal. Lake-
 shore Avenue.
 Two - story brick factory and store
 (tile floors, steel sash, soda foun-
 tain, kitchen equipment, etc.)
 Owner—Edy Candy Co., 3315 Grand
 Ave., Oakland.
 Architect—Miller & Warnecke, Finan-
 cial Center Bldg., Oakland.

Contractor—Lindgren and Swinerton, Inc., 225 Bush St., San Francisco.
Following contractors submitted bids (Chas. Vezey & Son Oakland; Jensen & Pederson Oakland; F. C. Stolte, Oakland; John Moore, Oakland; John Bartlett, Oakland; Thomas F. L. Furlong, Oakland; T. D. Courtright, Oakland; W. E. Lyons, Oakland; Neves & Harp, Santa Clara.

FLATS

Plans Completed.

FLATS Cost, \$9000
SAN FRANCISCO. E Baker St. 50 S Chestnut St.

Two-story and basement frame and stucco flats (2 5-room flats; composition and tile roof, gas heat, separate showers and toilets, colored tile baths and kitchens, hardwood floors, Philippine mahogany trim).

Owner and Builder—J. Collins, % Architect.

Architect—R. R. Irvine, Call Bldg., San Francisco.

Contract Awarded.

FLATS Cost, \$7,000
SAN FRANCISCO. SW 20th and Colingwood.

Two-story and basement frame and stucco flats (2 flats).

Owner—C. and T. Merikanto, 4307 20th Street.

Plans by Contractor.

Contractor—G. O. Bendon, 2266 29th Street.

Bids In—Held Under Advisement.

ALTER FOR FLATS Cost, \$4500
SAN FRANCISCO. No. 1648 Oakdale Avenue.

Alter two-story frame and stucco residence and store for flats (2, 7 & 5 room flats with garage).

Owner—Henry Villa, premises.

Architect—William Armitage, Call Bldg., San Francisco.

Sub-Bids Being Taken.

FLATS Cost \$9000
SAN FRANCISCO. E Baker St. 50 S Chestnut St.

Two-story and basement frame and stucco flats (2 5-room flats; composition and tile roof gas heat, separate showers and toilets, colored tile baths and kitchens, hardwood floors, Philippine mahogany trim).

Owner and Builder—J. Collins, % architect.

Architect—R. R. Irvine, Call Bldg.

GARAGES AND SERVICE STATIONS

Sub-Contracts Awarded

SERVICE STATION Cost, \$6,000 approx.
SAN FRANCISCO. Army and Valencia Sts.

Service station (steel frame construction).

Owner—General Petroleum Co., 1924 Broadway, Oakland.

Plans by Owner.

Contractor—Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.

Plumbing: Fred Snook, 596 Clay St.

Electric: Alta Electric Co., 938 Howard St.

Structural Steel: Independent Iron Works, 1830 Chase St., Oakland.

Date Of Opening Bids Postponed Until Today, 12 Noon.

GARAGE, OFFICE, ETC. Cost, \$30,000
WEST OAKLAND, Alameda Co., Cal. California Blvd. and Gough St.

One-story hollow tile garage (40x209); corrugated iron roof; 1-story frame and stucco office (50x90); built-up roof and one-story frame trailer shed (400 ft. in length).

Owner—Merchants Express and Draying Co. (Mr. Scott in charge), 1640 18th St., Oakland.

Architect—George Ellinger, 1723 Webster St., Oakland.

Prospective bidders reported Oct. 30.

Construction Under Way.

ALTER GARAGE Cost, \$—
FAIRFIELD, Solano Co., Calif. Texas and Jefferson Streets.

Alterations to present garage.

Owner—John W. Lambert, Fairfield

Architect—Not Given.

Contractor—Wm. B. Fields, 3866 14th Ave., Oakland.

Plans Being Prepared—Bids Close Nov. 23, 10 A. M.

GARAGE Cost, \$—
BOULDER CITY, Nevada.

One-story reinforced concrete garage (7x151-ft.).

Owner—United States Government.

Plans by U. S. Reclamation Bureau, Wilda Bldg., Denver.

The work is located in Boulder City, Nevada, about 25 miles southeast of Las Vegas, Nev., which is on the main line of the Los Angeles and Salt Lake Railroad. The garage will be a one-story building, approximately 71 feet by 151 ft. in size with concrete foundations and reinforced concrete floors. The outside walls will be of brick and the roof will be of timber construction supported on structural steel trusses placed 15 feet on centers and having a clear span of about 67 feet. The roof will be covered with built-up asphalt-saturated felt roofing. The installation of the plumbing system will be included in the contract for the construction of the building. Plans obtainable from U. S. Bureau of Reclamation, Las Vegas, Nev., on payment of \$1.50.

Planned.

SERVICE STATION Cost, \$3500
OAKLAND, Alameda Co., Calif. SW 64th and Foothill Blvd.

Service Station.

Owner—J. H. White, 2041 Market St., San Francisco.

Architect—Not Selected.

Owner is interested in interviewing party with reference to preparing plans and taking charge of constructing proposed building.

Bids Opened.

GARAGE, OFFICE, ETC. Cost, \$30,000
WEST OAKLAND, Alameda Co., Cal. California Blvd. and Gough St.

One-story hollow tile garage (40x209); corrugated iron roof; 1-story frame and stucco office (50x90); built-up roof, and one-story frame trailer shed (400 ft. in length).

Owner—Merchants Express and Draying Co. (Mr. Scott in charge), 1640 18th St., Oakland.

Architect—George Ellinger, 1723 Webster St., Oakland.

Following is a complete list of bids:

1. Job complete according to plans and specifications.

2. If galvanized iron gutters and down spouts are added to both maintenance building and trailer shed.

3. If all steel windows with two vents are changed to one with exception of three windows marked No. 4.

4. If fireproof vault and vault door are omitted and cashier's rooms enlarged.

5. If steel trusses are substituted for wood trusses.

6. If maintenance building walls are built of reinforced concrete in place of hollow tile.

Nick Wierck, 1560 Allice St., Oakland (1) \$20,553 (2) add \$337 (3) ded. \$54 (4) ded. \$431 (5) ded. \$24 (6) ded. \$467.

Villadsen Bros., San Francisco, (1) \$23,784 (2) add \$350 (3) ded. \$160 (4)

ded. \$450 (5) add \$230 (6) ded. \$500

Geo. Swanstrom, Oakland, (1) \$23,790 (2) add \$410 (3) ded. \$54 (4) ded. \$629 (5) add \$210 (6) ded. \$825.

John J. Moore, Oakland, (1) \$25,489 (2) add \$194 (3) ded. \$125 (4) ded. \$611 (5) add \$880 (6) ded. \$306

R. W. Littlefield, Oakland, (1) \$25,661 (2) add \$367 (3) ded. \$50 (4) ded. \$618 (5) ded. \$215 (6) ded. \$651; for greased floors in maintenance building add \$250.

Thomas Furlong, Oakland (1) \$26,216 (2) add \$344 (3) ded. \$54 (4) ded. \$500.

Schuler & McDonald, Oakland (1) \$26,237 (2) add \$426 (3) ded. \$54 (4) ded. \$324 (5) add \$382 (6) add \$300.

Lindgren & Swinerton, Oakland (1) \$26,589 (2) add \$367 (3) ded. \$54 (4) ded. \$546 (5) add \$126 (6) ded. \$913.

Austin Co. of California, Oakland (1) \$27,850 (2) add \$192 (3) ded. \$58 (4) ded. \$668 (5) add \$225 (6) ded. \$275; for greased floors, add \$120; paint interior of trailer shed, add \$340.

Plumbing

H. S. Salisbury, 1561 6th Ave., Oakland \$1,228

A. M. Poulsen, Oakland 1,345

Carl Doell, Oakland 1,363

W. H. Picard, Oakland 1,386

Scott Co., Oakland 1,390

Steam Heat

Scott Co., 113 10th St., Oakland \$ 890

George Bell, Oakland 887

A. M. Poulsen, Oakland 982

W. H. Picard, Oakland 1,017

Carl Doell, Oakland 1,096

Paving

Heafey-Moore Co., 344 High St., Oakland \$,079

Hutchinson Co., Oakland ,087

Oakland Paving Co., Oakland ,085

Work involves approximately 44,000 square feet. Bids held under advisement.

GOVERNMENT WORK AND SUPPLIES

SACRAMENTO Cal.—Until November 12 3 P. M. under Order No. 3884-1880, bids will be received by U. S. Engineer Office, California Fruit Bldg. to furnish and deliver Rio Vista, Solano county:

One Stove, circulating heater with reversible flue-collar, for coal or wood capable of heating three medium-sized room. "Wedgewood" No. 50 or equal.

One Stove, circulating heater with reversible flue-collar, for coal or wood capable of heating four medium-sized rooms. "Wedgewood" No. 60, or equal.

SACRAMENTO Cal.—Until November 12 3 P. M. bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County, asbestos pipe covering, 85% magnesia as follows:

15 feet, 3-inch.

9 feet, 2 1/2-inch.

18 feet, 2-inch.

18 feet, 1 1/2-inch.

21 feet, 1 1/4-inch.

36 feet, 1-inch.

15 feet, 3/4-inch.

SAN FRANCISCO.—Until Nov. 18, 10 A. M., under Circular No. 928-32-105, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver 180 gallons black engine paint or enamel, high heat resisting. Paint made from asphaltum or gilsonite basis not acceptable.

SAN FRANCISCO.—Until Nov. 18, 10 A. M., under Circular No. 928-32-105, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver 125,000 ft. Douglas Fir lumber.

selected common, 1x3-in., 12, 16 and 18 ft. lengths only, SIS, any degree of dryness.

BOULDER CITY, Nevada—Strom & Mahoney, Las Vegas, Nevada, have been awarded a contract at \$29,485 by the U. S. Bureau of Reclamation for foundation and excavation work for buildings to be constructed at Boulder City (Boulder Canyon Project). Bids for this work were opened in Las Vegas on August 19 under specifications No. 526-D.

SACRAMENTO, Cal.—Until Nov. 12, 3 P. M., under Order No. 3878-1877, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano county:

1100 ft. wire rope, regular lay, modified seals construction, 1-inch dia. plow steel, hemp center, 6 strands, 19 wires to strand. This rope shall be furnished in 4 pieces, each 275 ft. long wound on separate reels.

2600 ft. wire rope, regular lay, modified seals construction, 7/8-in. dia. plow steel, hemp center, 6 strands, 19 wires to strand. This rope shall be furnished in 4 pieces, each 650 ft. long wound on separate reels.

Prospective Bidders.

OFFICES Cost, \$1,287,500
PORTLAND, Oregon. Broadway, Madison, Sixth and Main Sts.

Seven-story and basement Class A Federal Office building.

Owner—United States Government.
Architect—Whitehouse, Stanton & Church, Railway Exchange Bldg., Portland, Ore.

Porter Constr. Co., 304 Failing Bldg., Portland, Ore.
Schuler & McDonald, 1723 Webster St., Oakland.

Dinwiddie Construction Co., Crocker Bldg., San Francisco.

Clinton Constr. Co., 923 Folsom St., San Francisco.

Clinton Construction Co., E Marginal Way at Hudson, Seattle.

Peter Gjarde, Lyon Bldg., Seattle.
A. W. Quist Co., 809 Exchange Bldg., Seattle.

Chrisman & Snyder, 906 Smith Tower, Seattle.
Pacific Builders & Engineers, Arcade Square, Seattle.

Peters Constr. Co., 304 Failing Bldg., Portland.

L. H. Hoffman, 1217 Public Service Bldg., Portland.

Ross & Hammond, 1312 Public Service Bldg., Portland.

A. Guthrie & Co., Portland.
Murch Bros. Constr. Co., Railway Exchange Bldg., St. Louis.

National Contracting Co., 2114 Foshey Towers, Minneapolis.

N. P. Severin Co., 222 W. Adams St., Chicago.

Great Lake Constrs. Co., N. Michigan Ave., Chicago.

Friberg Constr. Co., 201 Worcester Bldg., Portland.

Bids will be opened Nov. 30, 3 P. M.

RIO VISTA, Solano Co., Cal.—Until November 12, 3 P. M., under Order No. 3879-FEF, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to furnish and deliver Rio Vista, Solano County, 35 cu. yds. clean gravel, suitable for concrete; 65% gravel up to 2-in., and 35% sand, with delivery to be made by truck, in stock piles at U. S. Engineer Station, Rio Vista.

SANDBERG, Los Angeles Co., Cal.—Until December 4, 2 P. M., (Eastern Standard Time), bids will be received by the Division of Purchase, Sales & Traffic, U. S. Department of Agriculture,

Washington, D. C., to construct temporary buildings for the U. S. Weather Bureau at Sandberg, Calif. Plans obtainable from above office.

Preliminary Plans Approved
POST OFFICE Cost, \$—
MEHURD, Merced Co., Cal.
Class A Post Office.

Owner—United States Government.
Architect—Allison & Allison, California Reserve Bldg., Los Angeles.

SUNNYVALE, Santa Clara Co., Cal. Fred D. Turner, 212 Anita Road, Burlingame, at \$6,159 awarded contract by the Public Works Officer, 12th Naval District, San Francisco, for construction of a one story frame garage and water supply system.

SAN FRANCISCO, Cal. F. W. Snook 596 Clay St., at \$1,485 awarded contract by Public Works Officer, 12th Naval District, to install fuel oil filling and distributing lines at the Receiving Station, Yerba Buena Island in San Francisco Bay.

SAN DIEGO, Cal.—West Coast Gas Engine Co., 312 West Market St., San Diego, at \$3,396 submitted low bid to Public Works Officer, 11th Naval District, San Diego, under Specification 6701, refrigerator plant for mess hall at the Naval Operating Base (Training Station), San Diego. Following is a complete list of bids received:
West Coast Gas Engine Co., San Diego, \$3,396.

H. C. Parker, \$3,428.
Kolenberger Engineering Corp., \$3,625.

Baker Ice Machine Co., \$3,995.
Carrier Engineering Corp., \$4,067.

York Ice Machine Co., \$4,600.
Bids held under advisement.

SACRAMENTO, Cal.—MacDonald and Harrington submitted low bid of \$126 to U. S. Engineer Office, Sacramento, for 60 Douglas Fir piling f.o.b. Venice Island, San Joaquin River. Complete bids follow:

MacDonald and Harrington.....	\$126
Longview Dredging Co.....	14
Chas. R. McCormick Lumber Co.....	145
Diamond Match Co.....	20
J. H. Baxter.....	20
Hammond Lumber Co.....	40

The following bids were submitted f.o.b. shipping point, Oregon:

Charles R. McCormick Lumber Co.....
 05 |

James L. Hall.....
 06 |

Rainier Lumber Co.....
 08 |

Sullivan Lumber Co.....
 12 |

SAN DIEGO, Cal.—Coast Plumbing Co., 3612 45th St., San Diego, at \$2767.76 submitted low bid to Public Works Officer, 12th Naval District, to furnish and install 20 10,000-gal. capacity steel tanks, etc. See "Water works," this issue for complete list of bids received.

SAN DIEGO, Cal.—Emil Brown & Co., 300 East Ninth St., Los Angeles, at \$13,219, under Specification No. 6700, submitted low bid to Public Works Officer, 11th Naval District, to furnish galley and scullery equipment at Training Station, San Diego. Complete list of bids follows:

Emil Brown & Co.....	\$13,219
Ingle Mfg. Co.....	13,295
Cass Mfg. Co.....	13,306
Dohrmann Hotel Supply Co.....	13,374

Bids held under advisement.

PHOENIX, Ariz.—Until November 18, 2 P. M., bids will be received by Carl H. Skinner, superintendent, Phoenix Indian School, to furnish and install in school auditorium, one sound motion picture reproducing system. Capacity of auditorium 1200. Distance

of screen from projector is approximately 90 ft. Installation to be completed 30 days after award of contract.

SACRAMENTO, Cal.—Until November 10, 3 P. M., under Order No. 3866-1877, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano county:

6 pans, roast, 17x24x3/4-in. deep. No. 31H, Thomson-Diggs Cat. No. 31, pg. 1006, or equal.

6 pans, dripping, 8x15-in., pg. 1006, Thomson-Diggs Cat. No. 31, or equal.

3 egg whips, French, 16th, No. 316, Thomson-Diggs Cat. No. 31, pg. 1035, or equal.

SACRAMENTO, Cal.—Until November 9, 3 P. M., under Order No. 3553-1877, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County:

(1) 20 lbs. pump plunger packing, 1/2". Tucks, pg. 1912, Baker, Hamilton & Pacific Co., Cat. No. 8, or equal.

(2) 10 lbs. Bar Semi Metallic Packing, Stephenson & Nichols, or equal, 1/2".

(3) 10 lbs. Same at Item No. 2 except 3/4".

(4) 10 lbs. Same at Item No. 2, except 1/2".

(5) 100 lbs. Flax Packing, lubricated, 3/4" square, best quality pure long fiber flax.

SACRAMENTO, Cal.—See "Dredging, Harbor Works and Excavations," this issue. Bids wanted by U. S. Engineer Office for raising and strengthening existing levee in Reclamation District No. 2068.

SACRAMENTO, Cal.—Until November 9, 3:00 P. M., under Order No. 3846-1877, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano county, 15 tons of best grade Utah stove coal or equal, in sacks, 100 lbs. to sack.

Preparing Preliminary Plans.

POST OFFICE \$150,000 Appropriation Available

OROVILLE, Butte Co., Cal.
CLASS A Post Office.

Owner—United States Government.
Architect—Frederick H. Meyer, 525 Market St., San Francisco.

Bids To Be Asked At Once.

ADDITION Cost, \$30,000
ALAMEDA, Alameda Co., Cal.
Class A addition to Post Office.

Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Plans Being Figured—Bids To Close

December 8, 3 P. M.
POST OFFICE Cost, \$695,000
STOCKTON, San Joaquin Co., Cal.
Class A Post Office.

Owner—United States Government.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.

Consulting Architect—Howard G. Bisell, 421 S-Miner St., Stockton.

AMERICAN LAKE, Washington—Western Construction Co., Hamlin & Montlake Streets, Seattle, Wash., at \$247,776 awarded contract by U. S. Veterans' Bureau for constructing alterations to mess and kitchen buildings, No. 3 and occupational therapy building, No. 18 and constructing continued Treatment Building and exterminicide hall. Reinforced concrete construction, hollow tile and brick. The work includes roads, walks, grading, drainage, steam and electrical distribution systems.

MARE ISLAND, Cal.—S. Blickman, Inc., Wee-waken, New Jersey, at \$5629 awarded contract by Bureau of Yards and Docks, Navy Department, to furnish galley equipment at the Mare Island Navy Yard.

SACRAMENTO, Cal.—Until November 9, 3 p. m., under Order No. 3872-HMR, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to furnish 11,400 lin. ft. piling; (a) delivery in water at Sacramento; (b) delivery f.o.b. cars bidder's plant. Pipes of following lengths desired:

- 30 piles, 25-ft. long;
- 30 piles, 40-ft. long;
- 120 piles, 45-ft. long;
- 25 piles, 70-ft. long;
- 25 piles, 80-ft. long.

Delivery is a matter of importance. The first delivery of approximately 3000 linear feet shall be made at Sacramento December 10 and thereafter at the rate of 2500 lin. ft. per week.

SACRAMENTO, Cal.—Until November 10, 3 p. m., under Order No. 3869-Ftk, 108, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish hand delivered Rio Vista, Solano county:

- 50 lengths pipe, galv. 3-in., thread on one end, in 30-in. lengths.
- 12 cantenets, 6 qt. size.
- 12 padlocks, Yale Junior No. 713 K. A. with No. 200 key. Thomson-Diggs Cat. 31, pg. 662, or equal.
- 6 hatchets, broad, 4½-in. blade. Thomson-Diggs Cat. 31, pg. 7, No. PT82, or equal.
- 1 timber scribe, 6½-in. handle. A. Lietz Cat., 16th Ed., No. 130, pg. 129, or equal.

18 saws, wood, flat lead bright, No. 10, 1½-in.

4 screws, wood, flat head brass, No. 10, 1½-in.

12 Machetes, 24-in. blade. A. Lietz Co. Cat., 16th Ed., No. 521, pg. 176.

SACRAMENTO, Cal.—Until November 10, 3 p. m., under Order No. 3868-1879, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano county:

- 1 piece cold rolled steel, 2½-in. dia. by 15-ft. long.
- 25 ft. brake lining, 5/16x3-in., "Raybestos," or equal.
- 2 pcs. sheet iron, ¼x12-in. wide, each 12-in. long.
- 2 pcs. angle iron, 1x1x3/16-in., each 15 ft. long.
- 5 lbs. oval head rivets, ¼-in. dia. by ½-in.

BERKELEY, Alameda Co., Calif.—R. C. McBride & Son, 4127 Broadway, Oakland, desires sub-bids on all portions of the work in connection with the construction of the Berkeley Post Office for which bids will be opened Nov. 6.

PALO ALTO, Santa Clara Co., Cal.—Until Nov. 25, 2:30 P. M., bids will be received by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, to furnish and install at U. S. Veterans' Administration Hospital, Palo Alto, one 300-hp. cross drum, bent tube water tube boiler, piping, etc. This work will include furnishing and installing boiler, boiler trimmings, foundation, brick settings, gas and oil burners and connections to gas and oil piping and smoke breeching in place; furnishing and installing new main steam header and auxiliary steam, water and blow-off piping; furnishing and installing new main steam header connections to three existing 300-hp. water tube boilers including angle valves, automatic stop-check valves and new steel

walkway along new header line. Specifications obtainable from the Supervising Superintendent of Construction at Palo Alto.

SAN DIEGO, Cal.—Coast Plumbing Co., 727 Pearl St., La Jolla, awarded contract at \$267.76 by the 11th Naval District at San Diego for gasoline tank and pumps at the Naval Operating Base (Destroyer Base and Training Station), San Diego. Spec. No. 6666.

LOS ANGELES, Cal.—Prospective bidders on the proposed addition to the Wadsworth Veterans' Hospital at West Los Angeles, will be found under "Hospitals" in this issue.

Contract Awarded.
BOILER SETTING Cont. Prie, \$2959
PALO ALTO, Santa Clara Co., Cal.
New brick boiler setting for one 200-hp. Casey-Hedges Water Tube Boiler at U. S. Veterans' Hospital. Owner—United States Government. Plans by Supervising Superintendent of Constr., U. S. Veterans' Hospital, Palo Alto.
Contractor—J. T. Thorpe & Son, Inc., 417 Market St., San Francisco.

WASHINGTON, D. C.—Bids are being received by the Bureau of Supplies & Accounts, Navy Department, Washington, D. C., to furnish and deliver miscellaneous supplies and equipment as noted in the following schedules, further information being available from the Navy Purchasing Officer, 100 Harrison St., San Francisco.

Bids Open Nov. 17
Mare Island, 1 feeder panel, standard ebony asbestos; sch. 6787.
San Diego, 1 motor driven bolt threading machine; sch. 6810.

San Francisco, 1 motor driven selective geared head engine lathe; sch. 6812.

Puget Sound, 2 hardness testing machines; sch. 6811.
Western yards, steel wire, nails; sch. 6800.

Western yards, 6,700 spark plugs; sch. 6818.

Western yards, rubber friction and insulating tape; sch. 6819.

Mare Island, 80 sq. ft. insulating material; Mare Island, 117 ft. do and 40 ft. do; sch. 6840.

Mare Island, 75 waterproof vibrating horns; Mare Island, 50 hand-operated splashproof horns; sch. 6834.

Puget Sound, 34 lbs. sheet mica; sch. 6832.

Mare Island, 1 electric traveling hoist; sch. 6807.

Puget Sound, 1 nitriding outfit, one crane and 1 extra retort; sch. 6839.

Mare Island, 10,850 lbs. corrosion-resisting sheet steel; sch. 6863.

San Francisco, 12 engine temperature indicators; sch. 6850.

Western yards, approx. 2,268 inner spring type hospital mattresses; sch. 6870.

Bids Open Nov. 24
Mare Island, 84,000 brass cotter pins; sch. 6859.

Mare Island, 140 swinging door locks; sch. 6858.

Mare Island, 8,500 lin. ft. black enameled cloth; sch. 6856.

Mare Island, 10,200 sheets waterproof kraft paper; sch. 6855.

Mare Island, 4,000 gals. turpentine; sch. 6846.

BOULDER CITY, Nev.—See "Government Work and Supplies," this issue. Bids wanted by U. S. Bureau of Reclamation to erect garage; one-story reinforced concrete, 71 by 151 ft.

SAN DIEGO, Cal.—Until Nov. 17, 11 A. M., under Specification No. 6739,

bids will be received by Public Works Officer, Eleventh Naval District, to construct bed racks and masts at the Naval Operating Base (Training Station).

The work consists of furnishing and installing of eleven steel pipe bed racks (ten 50 feet long and one 40 feet long); two steel pipe masts 24 feet high; and eight steel pipe stubs 7 feet high. Racks, masts and stubs will have concrete foundations.

Plans obtainable from the Public Works Officer on deposit of \$10, returnable, checks for same to be made payable to the Chief of the Bureau of Yards and Docks.

HALLS AND SOCIETY BUILDINGS

Being Done By Day's Work.
REMODELING Cost, \$3,000
NAPA, Napa Co., Calif. Third and Main Streets.
Remodel interior of present hotel. Owner—Messrs. P. J. Vuich Viso & Moran, El Est. Apts., San Rafael. Architect—Not Given.
Lessee—James Lydon, Connor Hotel, Napa.

November 5, 1931
Contracts Awarded.
REMODEL Cost, \$—
BAKERSFIELD, Kern Co., Cal. G St. near 17th St.
Remodel lodge building. Owner—Fraternity Order of Eagles. Architect—Not Given.
Carpentry—Preston Paynter, 1801 Palm St., Bakersfield.
Painting—H. E. Schowalter, 2525 Parkway, Bakersfield.
Plumbing—Binns Plumbing Co., 1900 19th St., Bakersfield.
Electric—General Electric Co., Bakersfield.

HOSPITALS

Sheet Metal Contract Awarded.
HOME NOVITIATE Cost, \$—
BURLINGAME, San Mateo Co., Cal. Four-story and basement steel frame and concrete home and novitiate (tile roof; steam heating system). Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—Edward Eames, 353 Sacramento St., San Francisco.
Contractor—Barrett & Hild, 918 Harrison St., San Francisco.
Structural Engineers—Ellison & Russell Pacific Bldg., San Francisco.
Sheet Metal—Guilfoyle Cornice Works, 1234 Howard St., San Francisco.
Other awards previously reported.

Preparing Working Drawings.
INDIGENTS' HOME Cost, \$100,000
SACRAMENTO, Sacramento Co., Cal. Franklin Blvd.
One-story Indigents' Home (brick exterior walls, tile roof; Spanish style; Class C construction). Owner—County of Sacramento.
Architect—Harry Devine, California State Life Bldg., Sacramento.

Plans Being Completed
HOSPITAL Cost, \$85,000
SALINAS, Monterey Co., Cal.
One-story reinforced concrete hospital (30-bed capacity; steam heating system, tile roof, telephone call system, radios, concrete floors). Owner—Dr. H. C. Murphy, A and Lincoln Sts., Salinas.
Architect—Kent & Hass, 525 Market St., San Francisco.
Contractor—H. H. Larsen Co., 64 South Park, San Francisco.
Sub-bids will be taken November 2.

Bids Opened.

PREVENTORIUM Cost, \$—
REDWOOD CITY, San Mateo Co. Cal.
 Pulgas Tunnel (second unit of Tuberculosis Preventorium) plumbing, gas fitting, electrical work and mechanical equipment).

Owner—City and County of San Francisco, S. J. Hester, secretary, Board of Public Works.
 Architect—H. H. Meyers, Kohl Bldg., San Francisco.

Electrical Work

Turner Co., 329 Tehama St. \$7,812
 Alta Elec. & Mechanical Co. 3,465
 Butte Elec. & Equip. Co. 9,250

Plumbing and Gas Fitting

Scott Co., 243 Minna St. \$16,537
 Anderson & Rowe 17,460
 F. W. Snook 17,700
 Dowd & Welch 17,389
 Herman Lawson 18,400

Mechanical Work

Herman Lawson, 465 Tehama Street \$22,250
 Scott Company 22,359
 F. W. Snook 23,200
 J. A. Nelson 23,640
 Dowd & Welch 25,713

Bids Opened.

HOSPITAL Cost, \$—
SAN FRANCISCO, Onondaga Avenue and Alemany Blvd.
 Two-story Class A reinforced concrete Emergency Hospital.

Owner—City and County of San Francisco, S. J. Hester, secretary, Board of Public Works.
 Plans by Bureau of Architecture, Department of Public Works, Charles H. Sawyer, Chief of Bureau, 2nd floor, City Hall.

General Work

Albert Nelson, 242 Ocean Ave. \$47,764
 Young & Hordmeyer 47,770
 G. P. W. Jensen 48,240
 Meyer Brothers 48,376
 Villadsen Brothers 48,750
 H. L. Petersen 49,195
 Mission Concrete Co. 49,673
 San Francisco Const. Co. 49,691
 Empire Const. Co. 49,840
 N. H. Sjoberg & Son 49,849
 F. C. Amoroso & Son 49,939
 H. H. Larsen 50,432
 F. J. Reilly 50,638
 Monson Brothers 51,480
 Anderson & Ringrose 51,736
 MacDonald & Kahn 51,927
 J. W. Cobby & Son 52,200
 Riley & Grace 52,390

Plumbing and Mechanical Work

Thos. Skelly, 1344 9th Ave. \$10,750
 F. W. Snook 11,246
 Scott Company 11,676
 O'Mara & Stewart 11,900

Electrical Work

Commercial Elec. Co., 1925 Howard Street \$3,081
 N. Radefinger 4,100
 W. B. Baker 4,288
 Turner Company 4,355
 Lynn & Drott 4,449
 Butte Elec. Equip. Co. 5,249
 Brayer Electric Co. 5,500
 Bids held under advisement. Complete list of alternates on file in this office and may be seen by those interested.

TALMAGE, Mendocino Co., Cal.—Turner Co. of San Francisco, low bidders at \$3523, claiming an error, has requested the State Department of Public Works, Division of Architecture, to permit it to withdraw its bid for the plumbing and heating (combined) on the laundry building at the state hospital at Talmage. The next lowest bidder on the combined contractors was H. W. Salls of Ukiah at \$4125 and the Ukiah Plumbing & Heating Co., Ukiah, third at \$4722. The Pacific Plumbing & Heating Co., Oakland, submitted the lowest separate bid on the heating at \$1525 and H. W. Salls of Ukiah, the lowest sep-

arate bid on the plumbing at \$2425. The request of the Turner Co. is being considered by the State Department. Additional Sub-Contracts Awarded.
HEALTH CENTER Cost, \$248,979
SAN FRANCISCO, Polk and Grove Streets.

General construction for four-story and basement reinforced concrete Class A health center, emergency hospital and office building.

Owner—City and County of San Francisco, S. J. Hester, Sect'y., Board of Public Works.

Architect—S. Heiman, 57 Post Street, San Francisco.

Structural Engineers—Ellison & Russell, Pacific Bldg., San Francisco.
 Contractor—H. L. Peterson, 731 Treat Ave., San Francisco.

Plastering—Marconi Plastering Co., 1737 Beach St., San Francisco.

Bronze Doors—Zouri Co., 1203 Howard St., San Francisco.

Steel Rolling Doors—Kennerson Mfg. Co., 351 Brannan St., S. F.

Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.
 Other awards reported October 23, 1931.

Bids Wanted — To Close Nov. 10, 2 P. M.

WARD Cost, \$—
WILLOWS, Glenn Co., Cal. County Hospital.

Construct new ward at county hospital grounds.

Owner—County of Glenn (W. B. Sale, county clerk), Willows.

Architect—Otto Deichmann, 110 Sutter St., San Francisco.

Check in the amount of 10% of the bid required.

Steel Sash Contract Awarded.

PREVENTORIUM Cost, \$80,375
REDWOOD CITY, San Mateo Co. Cal.
 Three frame and stucco preventorium buildings with tile roofs.

Owner—City and County of San Francisco, S. J. Hester, Sect'y., Board of Public Works.

Architect—H. H. Meyers, Kohl Bldg., San Francisco.

Contractor—R. C. Stickie, South San Francisco.

Steel Sash—Soule Steel Co., 1750 Army St., San Francisco.

As previously reported, structural steel awarded to Schrader Iron Works, 1247 Harrison St., S. F.; reinforcing steel to Pacific Coast Steel Co., 20th and Illinois Ets., S. F.; ornamental iron to Patterson & Koster Iron Wks., 280 13th St., S. F.

Contract Awarded. Cont. price, \$2,497
ALTERATIONS SAN JOSE, Santa Clara Co., Cal.

Alterations to existing service building at County Hospital.

Owner—County of Santa Clara, Henry Pfister, county clerk, San Jose.

Architect—Binder & Curtis, San Jose.
 Contractor—The Minton Co., 243 Hamilton Ave., Palo Alto.

Following is a complete list of bids received:

The Minton Co., Palo Alto. \$2,497
 Collins & Martin, San Jose. 2,662
 J. D. Carlsen, San Jose. 2,734
 R. C. Summers, San Jose. 2,832
 W. M. Caldwell, San Jose. 2,937
 George Honore, San Jose. 3,096

Bids Returned Unopened—New Bids To Be Asked.

METAL FURNITURE Cost, \$—
FRENCH CAMP, San Joaquin Co., Calif.

Furnish and install metal furniture in New Additional Bldg. at the San Joaquin General Hospital.

Owner—County of San Joaquin, E. D. Graham, county clerk, Stockton.

Specifications prepared by W. Y. Tretheway, county purchasing agent. All bids were returned to bidders unopened. New bids will be called for shortly.

HOTELS

Completing Preliminary Plans.
HOTEL Cost, \$500,000

OAKLAND, Alameda Co., Calif. 22nd St. and Telegraph Ave.

Sixteen-story Class A steel frame and concrete hotel (250 rooms and baths).

Owner—Withheld.
 Architect—Willis Lowe, 354 Hobart St. Oakland.

(6359) 1st report Aug. 12, 1931. 10

ICE AND COLD STORAGE PLANTS

Contract Awarded.
PRE-COOLING PLANT Cost, \$—

CLAREMONT, Los Angeles Co., Cal.
 Reinforced concrete mill type pre-cooling plant (capacity of 8 cars daily).

Owner—Union Ice Co.
 Plans by Gay Engineering Corp.
 Contractor—Gay Engineering Corp., 2650 Santa Fe Ave., Los Angeles.

Plans Being Completed.
ICE MFG. PLANT Cost, \$27,000

FRESNO, Fresno Co., Cal. Ninth St. and Turner Ave.

One-story reinforced concrete ice manufacturing plant, 40x129 ft. (storage section, 40 ft. in height; storage capacity 1600 tons).

Owner—J. L. Laino, Fresno.
 Private Plans.

The latest type of equipment will be installed. It is proposed to start construction about November 10.

SAN DIEGO, Cal.—West Coast Gas Engine Co., San Diego, at \$3395 submitted low bid to Public Works Officer, 11th Naval District, for refrigeration plant at Training Station, Naval Operating Base. See "Government Work and Supplies," this issue for complete list of bids received.

Planned.
DRY ICE PLANT Cost, \$—

HANFORD, Kings Co., Cal.
 Dry ice plant.

Owner—Group of New York Capitalists (represented by W. C. Kirkpatrick, 124 W. Fourth St., Los Angeles.
 Engineer—W. C. Kirkpatrick, 124 W. Fourth St., Los Angeles.

More definite information will be given at a later date.

POWER PLANTS

HEALDSBURG, Sonoma Co., Cal.—City council to ask bids soon for 40 light and power poles, 40 ft. long.

SAN DIEGO, Cal.—The San Diego City council has authorized a call for bids to furnish and install electric plant to supply energy for downtown ornamental lighting district; plant will be operated by Diesel engines.

LOS ANGELES, Cal.—Until 11 A. M., November 19, bids will be received by city purchasing agent, Thomas Oughton, for furnishing lead-covered telephone cable to the department of water and power under Specification No. 2646. The items are:
 (1) 1000 ft. dielectric, 1000-volt, lead-covered telephone cable;
 (2) 12,000 ft. dielectric, 700-volt, lead-covered telephone cable.

HURHANK, Los Angeles Co., Cal.—Bids for furnishing 40,000 lbs. wire f. o. b. public service department warehouse opened by city council Oct. 27, follow:

- (1) 15,500 lbs. 1/0 M H D, T B W P (stranded) wire, all cotton braid, to be delivered in reels;
(2) 10,000 No. 2 solid wire;
(3) 10,000 lbs. No. 4 solid wire;
(4) 5000 lbs. No. 6 solid wire, all cotton braid, to be delivered in coils.

Five bids at the identical figure of \$1627, or unit prices as follows: (1) \$11.63, (2) \$11.58, (3) \$11.33, (4) \$11.83. The bidders were Utilities Equipment Corp., Graybar Electric Co., Anaconda Wire & Cable Co. (by General Electric Supply CVorp.), John A. Roebeling Sons Co. and Westinghouse Electric & Supply Co.

Maydwell & Hartzell, \$4983.50, with unit prices as follows: (1) \$12.49, (2) \$12.49, (3) \$12.24, (4) \$12.74.

Contract Awarded.

VAULT Cont. price, \$1,277
FRENCH CAMP, San Joaquin Co., Cal. Construct transformer vault building against outside wall of present power house at County Hospital at French Camp.

Owner—County of San Joaquin, E. D. Graham, county clerk, Stockton.
Architect—Frederick H. Meyer, 625 Market St., San Francisco.
Contractor—E. H. Riley, First National Bank Bldg., Stockton.

Only other bid was submitted by H. E. Vickroy, Stockton, at \$1,365.

SAN DIEGO, Calif.—City council has authorized the city manager of operations and the city purchasing agent, A. V. Goeddel, to prepare the specifications and to advertise for bids for the furnishing and installing of a Diesel-operated power plant to supply electricity for lighting the downtown business district.

LOS ANGELES, Calif.—Until 11 A. M., Nov. 10, bids will be received by city purchasing agent, Thos. Oughton, for furnishing crescoated cross-arms for a 12-month period from date of contract, under Spec. No. 2596, f. o. b. cars or trucks 1622 E. Slauson Avenue. The items are:

- (1) 6-pin crescoated cross-arms;
(2) 10-pin do;
(3) 11 ft. 4-in. crescoated cross-arms;
(4) 9-ft. crescoated cross-arms.
Estimated requirement totals \$11,200.

LOS ANGELES, Calif.—Until 11 A. M., Nov. 10, bids will be received by city purchasing agent, Thos. Oughton, for furnishing 5000 feet No. 2 AWG, 3-conductor, paper-insulated lead-covered cable to the department of water and power under Spec. No. 2653. Estimated requirements total \$3900.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Bids Opened.

WAR MEMORIAL Cost, \$5,000,000
SAN FRANCISCO, Civic Center.

Carpenter and mill work for 4-story and basement concrete Class A Veterans' Bldg., and 6-story Class A Opera House, seating 4000; standing room 500.

Owner—City and County of San Francisco (S. F. War Memorial).
Architects—G. A. Lansburgh, 140 Montgomery St. and Arthur Brown Jr., 251 Kearny St.

Mrgs. of Const.—Lindgren & Swinerton, Inc., 225 Bush St.

Following is a complete list of bids:
(1) Main bid (2) add for back painting.
San Francisco Const. Co., 3159 Fill-

more St., (1) \$59,497; (2) \$475.

Dinwiddle Const. Co., (1) \$52,800; (2) \$475.

Kelly & Grace, (1) \$69,191; (2) \$1200.

Anderson & Ringrose, (1) \$70,000; (2) \$1,400.

Chas. Stockholm, (1) \$71,971; (2) \$2-100.

Fink & Schindler, (1) \$78,861; (2) \$550.

Ralph McLeran Co., (1) \$83,492; (2) \$1,100.

F. J. Reilly, (1) \$84,983; (2) \$1,635.

R. Brandelin Co. (1) \$90,586; (2) \$650.

Bids held under advisement.

Specifications Being Written.

HALL OF RECORDS Cost, \$300,000
MARTINEZ, Contra Costa Co., Cal.

Three-story Class A steel frame and concrete Hall of Records (hollow tile and metal lath partitions, steel sash, heating plant).

Owner—County of Contra Costa.

Architect—E. Geoffrey Bangs, 411 30th St., Oakland.

Structural Engineer—F. H. Tibbitts,

Alaska Commercial Building, San Francisco.

Mechanical Engineer—G. M. Simonson

Call Bldg., San Francisco.

Bids will be asked shortly.

Contract Awarded.

CITY HALL Cost, \$6000
TEHACHAPI, Kern Co., Cal.

One-story frame and stucco city hall (tile roof, metal lath, hot air heating system, steel sash, cement floor).

Owner—City of Tehachapi.

Architect—Edwin J. Symmes, Habersfeld Bldg., Bakersfield.

Contractor—W. A. Croft, 1605 Brundage Lane, Bakersfield.

Bids Opened.

HEATING SYSTEM Cost, \$—
PACIFIC GROVE, Monterey Co., Cal.

Furnish and install warm air heating system in public library.

Owner—City of Pacific Grove, Elgin C. Huribet, City Clerk.

Architect—Not Given.

Low Bidder—Vosmer Sheet Metal

Works, 430 Washington St., Monterey.

Following is complete list of bids received:

Vosmer Sheet Metal Works, Monterey

erey \$1149

Pacific Gas & Elec. Co., Monterey 1200

Gunn's Sheet Metal Works, Monterey 1217

Ed. Simpson, Monterey 1277

Barton-Oil-O-Matic, Monterey 1467

Bids held under advisement until November 5.

Bids Wanted.

MUSEUM Cost, \$—
SAN DIEGO, San Diego Co., Cal.

Boa Park

Two-story and basement Class A reinforced concrete museum (200x 60 feet).

Owner—San Diego Natural History Museum.

Architect—William Templeton Johnson, San Diego Trust & Savings Bank Bldg., San Diego.

TACOMA, Wash.—Until November 10, 2 P. M., bids will be received by F. R. Archer, Warden, U. S. Penitentiary at McVells Island, to furnish steel window sash and steel doors for two machine shops. Sash to be similar to "Fenestra" or Truscon commercial pivoted sash windows, involving:

26 steel sash 18'6 1/4" x 12'6 1/4"

3 steel sash 18'8 1/4" x 12'6 1/4"

28 steel sash 18'6 1/4" x 8'5 1/4"

4 steel sash 18'6 1/4" x 6'10 1/4"

1 steel sash 13'8 1/4" x 12'6 1/4"

2 combination doors and sash.

Sash to be 18'6 1/4" x 12'6 1/4". "C" doors to swing.

4 pairs "A" sliding doors, approximately 13' x 12'3".

4 pairs "B" doors approximately 10'11" x 12'3".

Specifications obtainable from Geo. Gove, architect, Puget Sound Bank Bldg., Tacoma.

Contract Awarded.

PARTITIONS Cont. Price \$495
SAN FRANCISCO, Kearny and Wash-

ington Streets.

Install marble toilet and shower partitions in women's prison at the Hall of Justice.

Owner—City and County of San Francisco, S. J. Hester, secretary of board of public works.

Architect—Plans by Bureau of Architecture, Chas. H. Sawyer, chief, 2nd floor, City Hall.

Contractor—Jos. Musto Sons Keenan Co., 535 North Point St.

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Three-story and basement frame and stucco studio office and residence (8 rooms in residence); tile and flat roof, steam heating, hardwood and tile floors, colored tile baths and kitchen.
Owner & Builder—Henry Doelger, 300 Judah St., San Francisco.
Architect—Chas. Strothoff, 2274 15th St., San Francisco.
Sub-bids will be taken in about one week.

Preparing Plans.
RESIDENCE Cost, \$15,000
FRESNO, Fresno Co., Cal. Figarden Tract.
Two-story frame and stucco residence Owner—L. S. Cobb, Fresno.
Architect—Chas. E. Butner, Cory Bldg., Fresno.

Preparing Plans.
RESIDENCE Cost, \$15,000
FRESNO, Fresno Co., Cal. Carmen Avenue.
Two-story frame and stucco residence Owner—Frank Kauke, Fresno.
Architect—Chas. E. Butner, Cory Bldg., Fresno.

Preparing Plans.
RESIDENCE Cost, \$20,000
FRESNO, Fresno Co., Cal. Huntington Blvd.
Two-story frame and stucco residence Owner—Chas. Puckhaber, Fresno.
Architect—H. Rafael Lake, 1501 Pacific Southwest Bldg., Fresno.

Preparing Preliminary Plans.
RESIDENCE Cost, \$8000
BERKELEY, Alameda Co., Cal. Thousand Oaks.
Two-story and basement frame and stucco residence (shingle roof, gas heat, colored tile baths & kitchen) Owner—Withheld.
Architect—John Dinwiddie, Balboa Bldg., San Francisco.

Sub-Contracts Awarded.
RESIDENCE Cont. price, \$12,970
SAN MATEO, San Mateo Co., Calif. Baywood Park.
Two-story and basement frame and stucco residence (9 rooms, 3 baths, tile roof, gas heating, electric refrigeration, tile baths and kitchen) Owner—Harold Wolcove.
Plans by Grimes & Schoening, Balovich Bldg., San Mateo.
Contractor—Ployd Van Gelder, 1716 Delaware St., Berkeley.
Plumbing—Morrison & Blair, 415 Villa Terrace, San Mateo.
Cement Work—East Bay Cement Co., Berkeley.
Brick Work—Chas. Humer, San Mateo

Sub-Bids Being Taken.
RESIDENCES Cost, \$5000 each
PALO ALTO, Santa Clara Co., Calif. Crescent Park.
Two 1-story and basement frame and stucco residences (6 rooms, 2 baths each) composition and tile roof, gas heat, hardwood floors and trim, colored tile baths and kitchens, Spanish and English type.
Owner—C. R. Janssen, Hearst Bldg., San Francisco.
Architect—Not Given.

Sub-Contracts Awarded.
RESIDENCE Cost, \$12,000
PALO ALTO, Santa Clara Co., Cal.
Two-story and basement frame and stucco residence (shingle roof, gas heat, etc.)
Owner—A. P. Newsom.
Architect—H. H. Guttererson, 526 Powell St., San Francisco.
Contractor—Clinton Stephenson Construction Co. Ltd., Clay and Montgomery Sts., San Francisco.
Mill Work—Bay Shore Mfg. Co., 647 Runnymede, Palo Alto.

Lumber—Mermer Lbr. Co., 795 Highway, Palo Alto.
Concrete Materials—Redwood Materials Co., Maple Ave., Redwood City.
Cement—Pacific Portland Cement Co., Marsh Road, Redwood City.
Plumbing, Heating and Sheet Metal—Christensen & Anderson, 445 Florence, Palo Alto.
Acoustic Tile—Malott & Peterson, 3221 20th St., San Francisco.

Planned.
ALTERATIONS Cost, \$—
SAN MATEO, San Mateo Co., Cal.
Alterations to residence.
Owner—H. M. Lorber, care Dollar Steamship Co., 311 California St., San Francisco.
Architect—Not Given.
More information will be given shortly.

Contract Awarded.
FARM HOUSE Cost, \$—
BIG SUR, Monterey Co., Cal.
One-story all wood farm house (4 rooms; split shakes roof).
Owner—C. L. Boss.
Architect—W. W. Wurster, 260 California St., San Francisco.
Contractor—S. M. Trotter, Big Sur.

Preparing Working Drawings.
RESIDENCE Cost, \$22,000
SAN FRANCISCO. Western Addition
Two-story and basement frame and stucco residence (8 rooms and 3 baths; slate roof, gas steam heating system, electrically equipped kitchen, electric refrigeration, hardwood floors and trim, colored tile baths and kitchen).
Owner—Withheld.
Architect—Albert H. Larsen, 447 Sutter St., San Francisco.
Bids will be asked about Dec. 1.

Contract Awarded.
LOG CABIN Cost, \$3000
SAN FRANCISCO. Golden Gate Park Log cabin.
Owner—Association of Pioneer Women of California.
Architect—Powers and Ahnden, 26 O'Farrell Street.
Contractor—E. A. Anderson, % Architect.
Construction will start in about one week.

Plans Being Completed
RESIDENCE Cost, \$15,000
STOCKTON, San Joaquin Co., Calif. Oxnard Manor.
Two-story and basement frame and stucco residence (9 rooms, 3 baths) tile roof, gas burner, hot water heater, colored tile baths and kitchen, hardwood floors, electric refrigeration.
Owner—Jos. C. Brighetto.
Architect—Jos. Losekann, 1218 W. Harding St., Stockton.
Bids will be asked in about two weeks.

Sub-Contracts Awarded
RESIDENCE Cost, \$16,000
HILLSBOROUGH, San Mateo Co., Cal.
Two-story and basement frame and stucco residence (10 rooms and 4 baths; shingle roof, gas heating system).
Owner—George Robbins.
Architect—W. W. Wurster, 260 California St., San Francisco.
Contractor—Meese & Briggs, 1425 Broadway, Burlingame.
Plumbing—A. H. Dittman, 1109 California St., Burlingame.
Lumber—Wisnow Lumber Co., 1000 Broadway, Burlingame.
Mill Work: Progress Lumber Co., Redwood City.

Wiring: Atlas Electric Co., 135 B St., San Mateo.
Sheet Metal: Caffigan Sheet Metal Works.

Plans Being Prepared
RESIDENCES Cost, \$5,000 each
PALO ALTO, Santa Clara Co. Crescent Park.
Two one-story and basement frame and stucco residences (6 rooms, 2 baths each), composition and tile roof, gas heat, hardwood floors and trim, colored tile baths and kitchens, Spanish and English type.
Owner—C. R. Janssen, Hearst Bldg., San Francisco.
Architect—Not Given.
Sub-bids will be taken November 2.

Contract Awarded.
ALTER RESIDENCE Cost, \$2000
ALAMEDA, Alameda Co., Cal. No. 1100 Bay Street.
Alterations to two-story frame and stucco residence (work includes painting, plastering, mill work, plumbing and electrical work.)
Owner—J. R. Christie, 1100 Bay St., Alameda.
Architect—Kent & Hass, 525 Market St., San Francisco.
Contractor—R. Meyer, 2059 Clinton St., Alameda.

Sub-Bids Being Taken.
RESIDENCE Cost, \$12,000
PIEDMONT, Alameda Co., Cal. No. 260 King Avenue.
Two-story and basement frame and stucco residence (9 rooms and 2 baths; gas heat, hardwood floors, colored tile baths and kitchen, etc.)
Owner and Builder—J. W. Seammell, 924 Scenic Ave., Piedmont.
Plans by Owner.

Sub-Bids Being Taken.
RESIDENCE Cost, \$5000
SAN FRANCISCO. NW Andover and Highland Aves.
One-story and basement frame and stucco residence (5 rooms, composition and tile roof, colored tile bath and kitchen, hardwood floor, gas heat).
Owner—A. Franzen, Highland Ave., San Francisco.
Architect—Not Given.

To Ask Bids In Two Weeks.
RESIDENCE Cost, \$6500
BERKELEY, Alameda Co., Cal. Berkeley View Terrace.
Two-story and basement frame and stucco residence (5 rooms; shingle roof, oil burning system, refrigerator, colored tile bath, etc.)
Owner—G. S. Mushet, 324 43rd Street, Richmond.
Plans by A. R. Herberger, 3281 Lakeshore Blvd., Oakland.

Plans Being Prepared.
RESIDENCE Cost, \$6000
SAN FRANCISCO. Darien Way.
One-story and basement frame and stucco residence (6 rooms and 2 baths; tile and composition roof, gas heat, colored tile baths and kitchen, hardwood floors and trim)
Owner and Builder—A. Hallgren, 1594 29th Ave., San Francisco.
Architect—Not Given.
Sub-bids will be taken within one week.

Plans Being Figured.
RESIDENCE Cost, \$—
NORTH HOLLYWOOD, Los Angeles Co., Cal. No. 17,120 Rancho St.
Two-story and basement reinforced concrete and stucco residence (67x120 feet.; incinerator, electric re-

frigeration, fountain and patio).
Owner—Dr. O. S. Welbourn.
Architect—Myron Hunt and H. C. Chambers, California Reserve Bldg. Los Angeles.

Preparing Working Drawings.
RESIDENCES Cost, \$8500 each
SAN FRANCISCO. 19th Avenue and
Sloat Blvd., Merced Manor.
Twenty 1-story frame and stucco residences (six rooms; tile roof, gas heat, hardwood floors, colored tile baths and kitchens).
Owner and Builder—Wm. Nelson, 935 Ulloa Street.
Plans by Owner.
Construction will be started shortly.

Preparing Sketches. Cost, \$15,000
LAKEPORT, Lake Co., Calif.
Residence (type of construction not determined).
Owner—V. H. Pinckney, president South African Dispatch Line, 233 Pine St., San Francisco.
Architect—Williams and Wastell, 374 17th St., Oakland.
H. V. Mick, Soda Bay, will do the landscape work.

Sub-Contracts Awarded. Cost, \$11,500
BERKELEY, Alameda Co., Cal. Claremont Pines.
Two-story and basement frame and rustic residence (7 rooms, 2 baths, single roof, electric refrigeration, colored tile baths and kitchen).
Owner—Dr. Howard E. Allen, 2490 Channing Way, Berkeley.
Plans by F. Conser, % E. L. Snyder, 2101 Shattuck Ave., Berkeley.
Contractor—Shapiro and Brown, 1245 Berkeley Way, Berkeley.
Lumber—Tilden Lumber Co., foot of University Ave., Berkeley.
Steel Sash—Michel and Pfeffer Iron Works Inc., 10th and Harrison Sts. San Francisco.
Concrete Work—Ensor Buel, 2927 Lorina Ave., Berkeley.

SCHOOLS

Bids Opened.
GYMNASIUM Cost, \$20,000
SAN RAFAEL, Marin Co., Cal. Military Academy.
One-story and basement frame and stucco gymnasium (Lamella roof, heating plant, hot water system).
Owner—San Rafael Military Academy, 5th and Cottage Sts., San Rafael.
Architect—S. Helman, 57 Post St., San Francisco.
Low Bidder—J. Dawson, 1507 Lincoln St., Berkeley.
Following is a complete list of bids:
J. Dawson, Berkeley.....\$20,780
Young & Horstmeier, S. F.....20,980
Leibert & Trobeck, S. F.....21,464
J. Vanderbilt, San Rafael.....22,050
K. E. Parker Co., S. F.....22,242
Petaluma Constr. Co., Petaluma.....23,596
H. L. Peterson, S. F.....23,977
Larsen & Larsen, S. F.....25,273

BERKELEY, Alameda Co., Calif.—Until Nov. 18 F. M., bids will be received by Clara F. Andrews, secretary, Board of Education, 2325 Milvia Street, to furnish and deliver one Demonstrator Engine Lathe for the Berkeley High School. Specifications obtainable from secretary.

LOS ANGELES, Cal.—Board of Education, Chamber of Commerce Bldg., has increased the number of units to 24 and the appropriation to \$144,000 for a classroom addition to the John Marshall High School, corner of Tracy and St. George Sts. Plans are being prepared by Architect Geo. M. Lind-

sey, 609 Union Insurance Bldg. D. S. Reynolds, heating engineer.

Contract Awarded.
GYMNASIUM Cont. price, \$15,050
SAN RAFAEL, Marin Co., Calif. Military Academy.
One-story and basement frame and stucco gymnasium (Lamella roof, heating plant, hot water system).
Owner—San Rafael Military Academy, 5th and Cottage Sts., San Rafael.
Architect—S. Helman, 57 Post Street, San Francisco.
Contractor—J. Dawson, 1507 Lincoln, Berkeley.
Heating and hot water system will be omitted in the building at this time.

Contract Awarded. Cost, \$437.50
HOLLISTER, San Benito Co., Cal.
Construct curbs and walks at high school grounds.
Owner—San Benito County High School District, James P. Davis, clerk, Hollister.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Contractor—Jesse Paulsen, 560 Line, Hollister.
Following is a complete list of bids:
Jesse Paulsen, Hollister.....\$437
Minton Co., Palo Alto.....433
Granite Const. Co., Watsonville.....524

Sub-Contracts Awarded. Cost, \$26,662
PISMO, San Luis Obispo Co., Cal.
One-story brick school (unit No. 2).
Owner—Pismo Elementary School District, Julia M. Howard, clerk.
Architect—Louis N. Crawford, Gibson-Drexel Bldg., Santa Maria.
Contractor—Neves and Harp, Santa Clara.
Miscellaneous Iron & Structural Steel—San Jose Iron Works, 535 West San Carlos, San Jose.

PASADENA, Los Angeles Co., Cal.—Herberts Machinery Co., 2329 Santa Fe Ave., Los Angeles, awarded contract at \$1700 by board of education for furnishing three machine lathes.

Preparing Plans. Cost, \$100,000
SCHOOL ADDITION Cost, \$100,000
LOS ANGELES, Cal. No. 1521 N. Highland Avenue.
Sixteen-unit addition to high school.
Owner—Los Angeles City School Dist.
Architect—Marsh, Smith & Powell, Architects Bldg., Los Angeles.
Heating Engineer—D. S. Reynolds, 756 S. Broadway, Los Angeles.

Plans Being Figured. Cost, \$600,000
COLLEGE BLDGS. Cost, \$600,000
PASADENA, Los Angeles Co., Cal.
Three-story and basement addition to Biological Building (100x55 ft.) and three-story and basement addition to chemistry building (125x55 ft.) reinforced concrete construction.
Owner—California Institute of Technology, 1201 E. California St., Pasadena.
Architect—Mayers, Murray & Phillips, 2 W. 47th St., New York City.

Bids Wanted—To Close Nov. 13.
SCHOOL ADDITION Cost, \$100,000
LOS ANGELES, Cal.
Three-story Class A reinforced concrete and brick physical educational and shop building (48x312).
Owner—Los Angeles City School Dist.
Architect—Sumner P. Hunt, Laughlin Bldg., Los Angeles.

Sub Contracts Awarded. Cont. Price, \$162,000
BERKELEY, Alameda Co., Cal.
Two-story reinforced concrete primary school and one-story reinforced

concrete academic dining hall (20 classrooms).
Owner—State of California.
Architect—Charles Roeth, 1404 Franklin St., Oakland.
Contractor—N. E. Parker 125 South Park, San Francisco.
The primary school building is two stories with enforced concrete foundations, walls, floors, metal stud partitions, steel and concrete roof frame and clay tile roof. The academic dining hall is one-story with reinforced concrete foundations, walls, floor, concrete roof framing and clay tile roof.
Excavation: Lee J. Immel, 1031 Evelyn St., Berkeley.

Plastering: M. J. King, 666 Mission St., San Francisco.
Tiling: Malott & Peterson, 3221 20th St., San Francisco.
Structural Steel: Judson Pacific Co., 609 Mission St., San Francisco.
Reinforced Steel: Soule Steel Co., 1750 Army St.
Blackboards, Etc.: Rucker Fuller Co., 1922 Franklin St., Oakland.
As previously reported:
Painting: R. P. Paoli & Co., 3159 Fillmore St., San Francisco.
Other awards will be made shortly. As previously reported, electric work awarded to Alta Elec. & Mechanical Co., 938 Howard St., S. F., at \$14,485; plumbing to Mechanical Contracting Co., 938 Howard St., S. F., at \$14,485; heating and ventilating to Atlas Elec. & Mechanical Co., 938 Howard St., S. F., at \$16,960.

BERKELEY, Alameda Co., Cal.—H. Mayson, 9315 S. Hooper St., Los Angeles, and 1317 5th Ave., San Francisco (Montrose 6258), desires sub-bids on all portions of the work in connection with the University of California gymnasium for which bids will be opened November 7, 11 a. m.

Sub-Contracts Awarded Cost, \$—
SALINAS, Monterey Co., Cal. Lincoln and Roosevelt Schools.
Alterations and additions to frame and stucco schools (tile roofs, steam heating system to connect to main heating plant).
Owner—Salinas City School District.
Architect—Chas. F. Butner, Gilkburg Bldg., Salinas.
Contractor—J. H. Graham, Romey Lane, Salinas.
Concrete Work: Granite Construction Co., Salinas.
Brick Work: E. M. Todd, San Jose.
Lumber: Salinas Lumber Co., Salinas.
Mill Work: Electric Planing Mill, Hazelton and Monroe, Stockton.
Window Fixtures: Universal Window Co., 1916 Broadway, Oakland.
Finish Hardware: Associated Hardware Co., 3850 San Pablo, Oakland.
Roofing: Frost Roofing Co., Monterey.
Rein. Steel: Central Supply Co., Salinas.
Plastering: A. Jacobsen, Monterey.
Blackboard, Cork Strip and Shades: Turner Co., 329 Tehama St., San Francisco.
Misc. Iron: San Jose Iron Works, 535 W. San Carlos, San Jose.

Completing Working Drawings. Cost, \$130,000
SCIENCE BLDG. Cost, \$130,000
SAN FRANCISCO, State Teachers' College (124 Buchanan St.)
Three-story reinforced concrete Class B science and chemistry building (classrooms, lecture auditorium to seat 200, chemistry laboratories and supply rooms; tile roof, wood floors, linoleum covered, steam heat).
Owner—State of California.
Architect—S. Helman, 605 Market St., San Francisco.

Preparing Preliminary Plans.
SCHOOL. Cost, \$325,000
SACRAMENTO, Sacramento Co., Cal.
Location Not Selected.
Fireproof Junior High School.
Owner—Sacramento City School Dist.
Contractor—Wm. E. Coffman, Forum Bldg., Sacramento.

Plans Completed.
SCIENCE BLDG. Cost, \$262,000
SAN JOSE, Santa Clara Co., Cal.
Three-story and basement reinforced concrete Science Building, (110 roof, steam heating system).
Owner—State of California.
Architect—Edwin Wyckoff, Growers' Bank Bldg., San Jose.
Associate Architect—Chas. McKenzie, Twohy Bldg., San Jose.
Mechanical Engs.—Leland & Haley, 53 Sutter St., San Francisco.
Bids will be asked within a few days.

Plans Being Figured—Bids Close
December 1, 2 P. M.
LIBRARY Cost, \$100,000
CHICO, Butte Co., Cal. State College Grounds.
Part one- and two-story brick and steel library and classroom building.
Owner—State of California.
Architect—Cole & Brochard, First National Bank Bldg., Chico.
The library will be constructed with reinforced concrete floors and foundations, brick walls, structural steel and wood framed roof covered with clay tile roofing.
Separate bids will be entertained for the following segregate parts of the work:

1. General Work embracing all branches of the construction other than Electric, Plumbing and Heating Work.
 2. Electrical Work.
 3. Plumbing Work.
 4. Heating Work.
 5. Combined Plumbing and Heating Work.
- Alternate bids affecting the General, Plumbing, Heating and Electric work contracts will be required for certain substitutions and omissions in materials, all as outlined in the specification and designated as Alternate 1, 2 and 3 affecting the General Work, Alternate No. 1 affecting the Plumbing Work, Alternate No. 1 affecting the Heating Work, and Alternate Nos. 1 and No. 2 affecting the Electric Work.

Preparing Preliminary Plans.
SCHOOL. Cost, \$325,000
SACRAMENTO, Sacramento Co., Cal.
Location not selected.
Fireproof Junior High School.
Owner—Sacramento City School Dist.
Architect—Harry Devine, California State Life Bldg., Sacramento.

Preparing Preliminary Plans.
SCHOOL. Cost, \$325,000
SACRAMENTO, Sacramento Co., Cal.
Location Not Selected.
Fireproof Junior High School.
Owner—Sacramento City School Dist.
Architect—Charles Dean, California State Life Bldg., Sacramento.

BANKS, STORES & OFFICES

MODESTO, Stanislaus Co., Cal.
It is reported that the Modesto Winter garden owned by Teddy McMahon and M. M. Alberti, 1125 10th Street, which was recently destroyed by fire will be rebuilt. Approximately \$25,000 will be expended.

Completing Plans.
REMODEL BLDG. Cost, \$—
HOLLISTER, San Benito Co., Cal.

Remodel present building for store.
Owner—Bank of America.
Architect—H. A. Minton, Bank of America Bldg., San Francisco.
Bids will be asked within one week.

Bids Opened.
ADDITION Cost, \$81,000
SACRAMENTO, Sacramento Co., Cal.
Two-story and basement reinforced concrete addition to State Printing Plant.
Owner—State of California.
Architect—Martin A. Sheldon, Monadnock Bldg., San Francisco.
Structural Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Heating Engineer—Leland and Haley, 53 Sutter St., San Francisco.
The addition is to be two stories and basement with reinforced concrete foundations, floors, walls and roof slab, hollow tile partitions, brick fire wall and composition roof.
Following is a complete list of bids:

General Work	
W. C. Keating Forum Bldg., Sacramento	\$63,380
Geo. Hudnut, Sacramento	64,129
Campbell Const. Co., Sacramento	67,980
Guth & Fox, Sacramento	69,986
Lindgren and Swinerton, Inc., Sacramento	71,875
C. J. Hopkinson, Sacramento	72,358
I. M. Sommer & Co., S. F.	75,800
Holdener Const. Co., Sacto.	76,800
Neves & Harp, Santa Clara.	76,983
J. F. Shepherd, Stockton.	78,721
Electric	
M. P. Canon, 2708 10th Avenue Sacramento	\$10,475
.....(1) deduct	680
.....(2) deduct	150
.....(3) deduct	60
W. B. Baker, San Francisco	\$10,779
.....(1) deduct	1,025
.....(2) deduct	253
.....(3) deduct	160
Reliable Elevator Works, Sacramento	\$13,400
.....(1) deduct	788
.....(2) deduct	250
.....(3) deduct	140
Luppen & Hawley, Sacramento	\$13,180
.....(1) deduct	987
.....(2) deduct	172
.....(3) deduct	81
George C. Foss, Sacramento	\$13,617
.....(1) deduct	1,077
.....(2) deduct	312
.....(3) deduct	148

Plumbing	
Luppen & Hawley, 3126 J St., Sacramento	\$2,997
Heating and Ventilating	
Fred. W. Snook, 596 Clay St., San Francisco	\$ 9,324
Luppen & Hawley, Sacramento	9,720
Pacific Heating & Ventilating Co., Oakland	10,450
Plumbing, Heating & Ventilating	
Carpenter & Mendenhall, 907 Front St., Sacramento	\$11,900
L. U. Plummer, Sacramento	14,347
Scott Plbg. & Elec. Co., Sacto.	15,279
Bids held under advisement.	

Sub-Contracts Awarded.
STORE Cost, \$10,000
PALO ALTO, Santa Clara Co., Cal.
No. 2011 El Camino Real.
One-story Class C reinforced concrete store (part tile and composition roof).
Owner—Campbell & Rapp, 247 High St., Palo Alto.
Plans by George B. Moore.
Contractor—George U. Moore, 531 Stanford Ave., Palo Alto.
Miscellaneous Iron and Structural Steel—San Jose Iron Works, 535 W-San Carlos St., San Jose.
As previously reported, lumber awarded to McElroy-Cheim Lumber Co., 481 Cambridge St., Palo Alto; rock, sand and cement to Steve Anderson & Son, 601 Park Blvd., Palo Alto; reinforcing steel to W. E. Wet-

enhall, 17th and Wisconsin Sts., San Francisco.
Contract Awarded.
STORE Cost, \$—
BAKERSFIELD, Kern Co., Cal.
and K Streets.

Three-story and basement brick and concrete store (brick and terra cotta facing, composition roofing, structural steel, cement, hardwood and terrazo floors, elevator, plate glass, metal fire doors, ornamental iron, fire escapes, gas heat, etc.).
Owner—S. H. Kress Co., New York City.
Plans by Eng. Dept. of Owner.
Contractor—Clinton Construction Co., 1103 Spring Arcade Bldg., Los Angeles and 923 Folsom St., San Francisco.

Sub-Contracts Awarded.
ALTERATIONS Cost, \$3000
SAN FRANCISCO, No. 2716 Mission Street.
Alterations to concrete store (work involves new ventilating system and re-arranging the offices).
Owner—F. H. Kress Co.
Architect—Eng. Dept. of Owner.
Contractor—Dinwiddie Constr. Co., Crocker Bldg., San Francisco.
Ventilating—Aetna Sheet Metal Wks., 57 Clementina St., San Francisco.
Electric—Langlais Electric Co., 472 Tehama St., San Francisco.
Ornamental Iron—Paterson & Koster Iron Works, 280 13th St., S. F.
Mill Work—Pacific Mfg. Co., Monadnock Bldg., San Francisco.
Painting—J. A. Mohr, 433 11th St., San Francisco.

Low Bidder.
ALTERATIONS Cost, \$10,000
SAN JOSE, Santa Clara Co., Cal.
Fernando Avenue.
Alterations and additions to two-story store and life building.
Owner—Hale Brothers.
Architect—Binder & Curtis, 35 W-San Carlos St., San Jose.
Lessee—Public Food Stores.
Low Bidder—H. A. Bridges, 1398 Lincoln St., San Jose.

Low Bidder.
STORES Cost, \$6500
SAN JOSE, Santa Clara Co., Cal.
First and San Antonio Sts.
Remodel ground floor of hotel for stores.
Owner—Hotel Montgomery.
Architect—Binder & Curtis, 35 W-San Carlos St., San Jose.
Low Bidder—H. A. Bridges, 1398 Lincoln St., San Jose.

Contract Awarded.
STORE Cont. Price, \$7756
SAN JOSE, Santa Clara Co., Cal.
Julian and San Pedro Sts.
One-story reinforced concrete store (Johns-Manville roof, concrete and wood flooring).
Owner—John S. Hayden.
Architect—W. E. Higgins, Realty Bldg., San Jose.
Contractor—W. M. Caldwell, 1241 Hedding St., San Jose.

Following is a complete list of bids:
W. M. Caldwell, San Jose.....\$7756
Minton Co., Palo Alto.....7757
Megna & Newell, San Jose.....8075
R. O. Summers, San Jose.....8277
Guy Latta, San Jose.....8316
Frank Edmans, San Jose.....8832
*Paul Anderson, San Jose.....7423
*Bid irregular. No alternate submitted for roofing.

Bids In—Held Under Advisement.
REMODEL MARKET Cost, \$25,000
OAKLAND, Alameda Co., Cal. Grand Ave. and Webster St.
Refrigerator counters, display cases, etc. for reinforced concrete market (12 departments).

Owner—Grand-Vestibler Bldg. Corp.
Architect—W. H. Weeks 525 Market St., San Francisco.
Lessee—City Properties, Inc., 1736 Franklin St., Oakland.
Concrete Flooring—Douglas & Wolfe, premises.

Steel Contract Awarded.
STOUT Cost, \$—
BAKERSFIELD, Kern Co., Cal. Ninth and K Streets.

Three-story and basement brick and concrete store (brick and terra cotta facing, composition roofing, structural steel, cement, hardwood and terrazo floors, elevator, plate glass, metal fire doors, ornamental iron, fire escapes, gas heat, etc.)
Owner—S. H. Kress Co., New York City, N. Y.

Plans by Eng. Dept. of Owner.
Contractor—Clinton Construction Co., 1103 Spring Arcade Bldg., Los Angeles and 923 Folsom St., San Francisco.

Steel—International Stacy Corp., Subway Terminal Blvd., Los Angeles.

Sub Contracts Awarded.
ADDITION Cost, \$6000
SAN JOSE, Santa Clara Co., Cal. 5th St., near Santa Clara St.
Addition to business building.
Owner—Franco Bros. Market, Prem.
Architect—Not Given.
Contractor—F. L. Hoyt, 495 S. 13th St., San Jose.

Lumber—Glenwood Lumber Co., N. 28th St., San Jose.
Cement—Williams & Russo, San Jose.
Rock Sand—Los Gatos Sand & Gravel Co., Los Gatos, Cal.

Plastering—W. G. Newman, 1423 Glen Una St., San Jose, Cal.

Reinforcing Steel—Soule Steel Co., 1750 Army St., San Francisco, Cal.

Steel Rolling Doors—Persons-Dwan Co., 532-534 6th St., San Francisco.

Iron Work—Helliwig's Iron Works, 407 Vine St., San Jose, Cal.

Sub-Contracts Awarded
STORE Cost. Price, \$48,300
SAN MATEO, San Mateo Co., Cal. Second Ave. and Main St.

1½-story reinforced concrete store; terra cotta exterior, composition roofing; 8 stores and mezzanines.
Owner—Merkel Bros., 201 B St., San Mateo.

Architect—Edwards & Schary, 550 Montgomery St., San Francisco.
Contractor—H. H. Larsen Co., 64 South Park, San Francisco.

Rein. Steel—W. S. Wetenhall, 17th and Wisconsin Sts., San Francisco.

Misc. and Orn. Iron and Structural Steel—Sullivan Iron Works, 780 Brannan St., San Francisco.

Steel Sash—Michel & Pfeffer Iron Works, Harrison and 10th Sts., San Francisco.

Plumbing—Morrison & Blair, 415 Villa Terrace, San Mateo.

Terrazzo—California Terrazzo Marble Co., 2085 San Bruno Ave., San Francisco.

Other awards reported Oct. 16th.

Sub-Contracts Awarded
STORE Cost, Approx., \$25,000
OAKLAND, Alameda Co., Cal. Thirty-fourth Ave. and E. 14th St.

Two-story and basement brick store (asbestos flat roof, steam heating system, pine floors).

Owner—J. J. Crieg.
Architect—Williams & Wastell, 374 17th St., Oakland.

Contractor—Chas. Heyer, Mills Bldg., San Francisco.

Architectural Terra Cotta—N. Clark & Son, 116 Natoma St.

Brick Work—Martin Back, 2100 Woodbine, Oakland.

Composition Roofing—General Roofing Co., 3985 Beach St., Oakland.

Metal Toilet Partitions—Alhambra Steel Equipment Co., Oakland.

Mill Work—Oakland Planing Mill, Second and Washington Sts., Oakland.

Orn. Iron—Pacific Iron Works, 1155 67th St., Oakland.

Rein. Steel—Nat Lena, 1174 19th St., Oakland.

Steel Sash—Michel & Pfeffer Iron Works, Harrison and 10th Sts., San Francisco.

Tile—Rigney Tile Co., 3012 Harrison St., Oakland.

Electric and Plumbing Contracts Awarded.

REMODEL MARKET Cost, \$—
PETALUMA, Sonoma Co., Cal. Remodel and renovate frame and stucco market.

Owner—City Properties, Inc., 1736 Franklin St., Oakland.

Architect—W. H. Weeks, 525 Market St., San Francisco.

Contractor—M. H. Fredericks, 525 7th St., Petaluma.

Plumbing—Frank J. Holrup, Petaluma

Electric Wiring—Baugh & Liddle, Petaluma.

Other awards previously reported.

Contracts Awarded.
STORE FIXTURES, ETC. Cost, \$—
STOCKTON, San Joaquin Co., Cal. 110 S. Sutter St.

Alterations for drug store.
Owner—Hotel Clark, Premises.

Architect—Glen Allen, 412 E. Market St., Stockton.

Fixtures—Fink & Schindler, 228 13th St., San Francisco, \$5,100

Electric—Grider Electrical Co., 409 E. Weber St., Stockton

(2nd low bidder) 303

Marble—American Marble Co., Hobart Bldg., San Francisco, 1,090

Following is a complete list of the bids received:

Electric	
Schooley Electric Co.	\$ 280
Grider Electric Co.	303
Commercial Electric Co.	304
Eddy Electric Co.	349
Hild Electric Mfg. Co.	354
Frankie Electric Co.	486

Marble Work	
American Marble Co.	\$1,090
Jos. Musto Sons Keenan Co.	1,105
J. E. Back Co.	1,139
Hilgartner Marble Co.	1,195
Vermont Marble Co.	1,250

Plans Being Prepared.
REBUILD STORE Cost, \$20,000
CHICO, Butte Co., Cal. Second and Wall Streets.

Rebuild store partially destroyed by fire (Class C construction, steel frame, brick exterior, wood interior).

Owner—Louis Saroni, 725 Battery St., San Francisco.

Architect—Russell Guerne DeLappe and Valdimar Oglou, 374 17th St., Oakland.

Bids will be asked shortly.

Plans Being Figured.
REMODEL Cost, \$—
SANTA ROSA, Sonoma Co., Cal. Fifth Street.

Remodel present stage depot (new fixtures, restaurant, kitchen equipment, interior re-decorating, etc.) (J. E. Muller in charge).

Owner—Pacific Greyhound Lines, Inc., 9 Main St., San Francisco.

Plans by Eng. Dept. of Owner.

To Ask Bids Shortly.
MARKET Cost, \$—
LONG BEACH, Los Angeles Co., Cal. Broadway, bet. Lime and Atlantic Avenue.

One-story, basement and mezzanine floor Class A steel and masonry market (316x180 ft.)

Owner—Long Beach Market, Ltd., 645 E. Broadway, Long Beach.

Engineer—Chas. F. Whittlesey.

Contract Awarded.
ALTER STORE Cost, \$5500
PITTSBURG, Contra Costa Co., Cal. Third St. and Railroad Ave.

Remodel store building.

Owner—A. Makower.
Architect—Not Given.

Contractor—G. E. Seeno, 150 Second St., Pittsburg.

Bids In—Held Under Adjudication.
STORE & LOFT Cost, \$30,000
SAN MATEO, San Mateo Co., Cal. Third Avenue.

Two-story and basement reinforced concrete store and loft building.

(Pabco roof, freight elevator, maple floors).

Owner—Martin Stelling and J. Gould, 155 Montgomery St., San Francisco

Architect—Benz, Winter & Maury, 210 Post St., San Francisco.

Lessee—J. J. Newberry Co.

Announcement will be made Nov. 4.

THEATRES

Sub-Contracts Awarded.
REMODEL THEATRE Cost, \$20,000
LIVERMORE, Alameda Co., Cal. No. 1075 W-First St.

Alterations and additions to theatre (new steel roof trusses, roofing, interior decorating and plaster work)

Owner—Livermore Theatre (Louis Schenon), Premises.

Architect—Miller & Warnecke, Financial Center Bldg., Oakland.

Contractor—S. Bothwell, 748 Palm Ave., Livermore.

Brick Work—F. B. Ehlers, Hayward.

Plumbing—R. E. Burns, Livermore.

Electric—H. F. Haverkamp, 1176 Market St., San Francisco.

Mill Work—Independent Lumber Co., Livermore.

Lumber—Progressive Lumber Co., Livermore.

Structural Steel—Herrick Iron Works, 18th and Campbell Sts., Oakland.

Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Sts., S. F.

Roofing—Livermore Roofing Co., Livermore.

Plastering—Barger & Barger, Hayward.

Tile—Rigney Tile Co., 3012 Harrison St., Oakland.

Concrete—Manuel Monez, Hayward.

Lime, Cement, Gravel and Brick—California Transfer Co., Livermore.

PHOENIX, Ariz.—Until November 18, 2 P. M., bids will be received by Carl H. Skinner, superintendent.

Phoenix Indian School, to furnish and install in school auditorium, one sound motion picture reproducing system.

Capacity of auditorium 1200. Distance of screen from projector is approximately 90 ft. Installation to be completed 30 days after award of contract.

Plans Being Revised.
THEATRE Cost, \$200,000
BERKELEY, Alameda Co., Cal. Shattuck Ave. and Bancroft Way.

Two-story Class A reinforced concrete theatre and store (seating capacity 1750).

Owner—United Artists Theatres of California (Jos. M. Schenck, vice-president), 1966 S. Vermont Street, Los Angeles.

Architect—Walker & Eisen and C. A. Balch, Western Pacific Bldg., Los Angeles.

Contract was previously reported as being awarded to Belier Constr. Co.,

Mr. E. L. Felt, City Engineer, It is understood now, however, that Felt will construct the building or whether now will be decided later.

WHARVES AND DOCKS

November 5, 1931

Work Being Completed
WHARF Cost, \$100,000
OAKLAND, Alameda Co., Cal. Foot
 of River St. Street.
 Garbage Wharf.
 Contract City of Oakland (Part Construction, E. J. Howard, Supt.).
 Plans by Engineering Dept., City Port Commission.

The wharf, including the construction of a roadway, will involve an expenditure of \$100,000. Bids for construction will be opened shortly.

MISCELLANEOUS CONSTRUCTION

SACRAMENTO, Cal.—Campbell Construction Co., 800 T St., Sacramento, at \$79,747 submitted low bid to the city council October 29 to construct the sedimentation unit of the municipal filtration plant, involving:
 3000 cu. yds. excavation;
 7758 cu. yds. reinf. conc. class A;
 1230 lin. ft. expansion joints;
 11,300 lin. ft. construction joints;
 136 tons steel trusses;
 22 tons miscellaneous iron;
 25 tons corr. iron sheets, galv.;
 600 sq. ft. asbestos siding;
 100 sq. ft. pipe hard rail;
 270 lbs. copper flashing;
 3 squares, tar and gravel;
 65 sq. ft. steel sash;
 600 F.B.M. lumber, No. 1 Douglas fir.

Contract to furnish and drive 1870 piles (approximately 93,500 lin. ft. in all) in connection with this project was awarded last August to the Western Foundation Co., 308 W. Washington St., Chicago, at \$675 lin. ft.

Following is a complete list of bids received, all taken under advisement: Campbell Construction Co.,

Sacramento	\$379,747
C. W. Wood, Stockton	385,500
MacDonald & Kahn, San Francisco	394,588
C. Dudley De Velbiss, San Francisco	395,000
Barrett & Hilt, San Francisco	395,615
Clinton Construction Co., San Francisco	399,400
Morrison & Knudsen, Boise, Idaho	409,000
Lindgren-Swinerton, Inc., San Francisco	429,500
Fredrickson & Watson, Oakland	455,800

KINGSBURG, Fresno Co., Cal.—Until November 16, 7:30 p. m. bids will be received by C. R. Magnuson, city clerk, for scraping, cleaning, caulking and painting of the water tank and tower of the Municipal Water Company. Separate bids will be taken for tank alone and also tank and tower. Certified check 10% payable to City Treasurer required with bid.

PACIFIC GROVE, Monterey Co., Cal.—City Council sets December 7 to vote bonds for \$40,000 to finance purchase of thirty-three acres adjacent to Lighthouse reservation, improvement of construction of a nine-hole golf course with appurtenances to include a clubhouse or caddy house. Elgin C. Hurlbert, city clerk.

SAN JOSE, Santa Clara Co., Cal.—J. D. Carlson, 1331 Sierra Ave., San Jose, awarded ornamental iron contract to San Jose Iron Works, 535 W-San Carlos St., San Jose, in con-

nection with construction of concrete apartment hotel Santa Clara Street opposite the Horace Mann School near Seventh St.

Contract Awarded.
CONVENIENCE BLDG.

Cont. Price, \$1176
REDWOOD CITY, San Mateo Co., Cal. Public convenience building.
 Original City of Redwood City, B. E. Myers, City Clerk.

Architects—Not Given.
 Contractor, Russell & Duncan, Redwood City.

Following is a complete list of bids: Russell & Duncan, Redwood City..... \$1176
 Emil Berndsten, Redwood City..... 1192
 L. F. Thompson, Redwood City..... 1335
 Roy Lind, San Francisco..... 1637
 L. N. Pollard, Redwood City..... 1672

Bids Opened.

ELECTRIC SIGN Cost, \$—
REDWOOD CITY, San Mateo Co., Cal. For conversion of the Redwood City electric sign over El Camino Real near Broadway from its present method of illumination to Neon Tubing.

Owner—City of Redwood City, B. E. Myers, City Clerk.
 Architect—Not Given.

Following is a complete list of bids: Apex Elec. Co., 154 Leavenworth St., San Francisco..... \$ 645
 Q. R. S. Neon Corp., S. F..... 1000
 Wonderlite Neon Co., S. F..... 1009
 Dennis F. Baker, Palo Alto..... 1075
 Brunfield Elec. Sign Co., Inc. San Francisco..... 1124
 Electric Products Corp..... 1125
 Bids held under advisement.

SAN MATEO, San Mateo Co., Cal.—Due to protests of property owners in the vicinity, the city council has rejected the application of the San Mateo County Mausoleum Corp., seeking a permit to erect a \$250,000 mausoleum on the Bayshore Blvd., bet. Mt. Diablo and Poplar Aves.

MISCELLANEOUS SUPPLIES AND MATERIALS

OAKLAND, Cal.—J. E. Volsiniet, 446 E 12th St., Oakland, at \$359 cash awarded contract by city council to furnish and install four gas unit heaters for the department of streets.

BUSINESS OPPORTUNITIES

SAN FRANCISCO—Names and addresses of the individuals or firms concerned in the following opportunities will be furnished on request to the Business Opportunity Department of Daily Pacific Builder, 545-547 Mission Street. Phone Garfield 8744:

21472—Tools, Machines. San Francisco. Bids wanted by foreign government on tools, instruments and machines required by a weaving school. Condition of tender and specifications available.

21473—Exhibition. San Francisco. Interested exhibitors are invited to display their machinery, implements, etc., to the Egyptian public in Cairo, March 24-April 25, 1932. Particulars available.

21486—Representation. Santa Barbara, Calif. Party is anxious to be put in touch with wholesalers and manufacturers desiring representation in the Hawaiian islands.

21487—Storage Batteries, Etc. Montreal, Canada. Organization inquires for list of manufacturers of storage batteries, storage battery parts, containers, gaskets, stoppers, plates, etc.

H. J. Ryan, H. & R. Manufacturing Co., Los Angeles, Calif., manufacturing athletic field markers and seeding fertilizing and top dressing machines wishes representation.

Sidney Stone, 3709 23rd Ave., Brooklyn, N. Y., has facilities for representing local company.

Robert J. Langer, Atlas Cooperae & Supply House, 1122 West Randolph St., Chicago, Ill., desires to represent local concern.

A. B. Frakes, 5014 Kensington St., St. Louis, Mo., has facilities for permanent personal representation for local concern.

6-HOUR WORKING DAY DECIDED ON TO AID JOBLESS

Tentative plans for a six-hour working day throughout the state of Wisconsin were laid by sixty outstanding manufacturers and business men at a conference called by Governor Phil LaFollette last week.

The plan to spread employment among as many workers as possible was suggested by the governor in an address urging the employers to "make jobs to avoid a heavy increase in taxes."

General acceptance of the shorter working day principle was indicated in reports from the conference after the governor's guiding address had been delivered and he strode out, leaving the conferees to "get busy."

F. J. Sennsrenner, millionaire paper manufacturer of Neenah, was made general chairman of the group and H. W. Story, Milwaukee, secretary. Committees were named to work out details of relief plans to be submitted to Governor LaFollette immediately.

Warning that the less done privately to restore normalcy in industry, the more taxes would be necessary to finance relief legislation, the governor declared it is impossible for the state to solve the unemployment problem without co-operation from industry itself.

"Action as intelligent as we can make it," he declared, "must be forthcoming, not a year from now, but immediately."

As other government departments are taking cognizance of protests against wage cuts by contractors of federal work, the secretary of labor has invoked his power under the Bacon-Davis act a second time and has determined the rate to be paid workers on the post office at Miami, Fla., says Paul Wooton, Washington correspondent of Engineering News-Record. In this case, as in the first instance, Secretary Doak decreed that union rates shall constitute the prevailing rates. It was protested that the contractor on the job was paying less than the wage scale existing in the city and that he was importing cheap labor from other communities. The rates fixed by Secretary Doak are from 35c an hour for common labor to \$1.50 an hour for skilled tradesmen.

Meanwhile the Bureau of Public Roads has announced that it will permit state officials to set a minimum rate for common labor in letting contracts for federal-aid highways. Gen. Brown, Chief of Engineers, has indicated that he will permit engineer officers in charge of flood-control and river and harbor work to require the maintenance of wages above a specified minimum on contract work. As the result of the work that they do directly by means of day labor, the army engineers are particularly well qualified to determine whether or not a contractor is paying a fair rate, Gen. Brown believes.

Engineering News Section

BRIDGES

STOCKTON, San Joaquin Co., Cal.—County Surveyor Julius M. Manthey is preparing plans for construction of bridge over Heaver Slough on the new Pearson Road, west of Thornton. Estimated cost \$5000. Bridge to be pile trestle with 75 foot steel span in center.

SAN JOSE, Santa Clara Co., Cal.—Collins & Martin, 1139 Glenn Ave., San Jose, at \$1987 awarded contract by county supervisors to construct two reinforced concrete culverts at intersection of Agnew and Coffin Roads. Bids follow:
Collins & Martin, San Jose.....\$1937
O. G. Ritchie, San Jose.....2109
Thermotite Constr. Co.....2248
Frank Bryant, San Francisco.....2300
John J. Vernova, Los Gatos.....2712

SAN JOSE, Santa Clara Co., Cal.—O. G. Ritchie, 154 N-Eleventh St., San Jose, at \$959 awarded contract by county supervisors to construct culverts on Moody Rd. and Robelda Ave. Bids follow:
O. G. Ritchie, San Jose.....\$ 959
Collins & Martin, San Jose.....1075
Thermotite Constr. Co.....1397
John J. Vernova, Los Gatos.....1582

SAN JOSE, Santa Clara Co., Cal.—William Radtke, P. O. Box 494, Gilroy, at \$960 awarded contract by county supervisors to construct reinforced concrete culvert on Dunlan Ave. near Furlong Road in Supervisor District No. 1. Bids follow:
Wm. Radtke, Gilroy.....\$ 960
Collins & Martin, San Jose.....1043
J. H. Vernova, Los Gatos.....1306
Thermotite Const. Co., San Jose 1357

STOCKTON, San Joaquin Co., Cal.—Kaus Brothers, 2726 East Main St., Stockton, at \$6,998 awarded the contract by the county supervisors to construct concrete bridges and culverts on the Telegraph Road through Wagner Heights in Road District No. 1. Bids follow:

Kaus Bros., Stockton.....	\$6,998
John Hackman, Stockton.....	7,400
Nelson Bros., Escalon.....	7,440
Pacific Improvement Co.....	7,995
Whited & Whited, Santa Rosa.....	8,127
J. N. Kristich.....	8,194
Bodenhamer Const. Co.....	8,295
L. Ubels, Ripon.....	8,325
J. E. Fitzsimmons, Lodi.....	8,495
Gould & Jamison.....	8,700

STOCKTON, San Joaquin Co., Cal.—Carl Nelson, 1421 E Channel Street, Stockton, at \$1700 awarded contract by county supervisors to construct concrete and timber bridges on the Buckman Road over a creek 1½ miles north of Farmington and over Duck Creek. Bids follow:
Carl Nelson, Stockton.....\$1700.00
John Hackman, Stockton.....1830.00
Nelson Bros., Escalon.....1835.00
L. Ubels, Ripon.....1895.00
J. N. Kristich.....1943.00
Gould & Jamison.....2060.40

MODESTO, Stanislaus Co., Cal.—County Surveyor George Macomber authorized to construct, under the emergency clause, a new bridge over Hood Creek on the Milton Road.

BOULDER CITY, Nev.—International Carson Dredging & Equipment Co., 2410 Conway St., Torrance, awarded contract by the Six Companies, Inc., for the fabrication of steel for two suspension bridges and a quantity of transmission poles for use on the Hoover dam projects. Delivery is to be made in five weeks. The Columbia Steel Corp., will furnish 400 tons of steel for this work.

MODESTO, Stanislaus Co., Cal.—See "Streets and Highways." This issue. Retouting of state highway through Modesto. Right-of-way being purchased. Bridge over Tuolumne river included in project.

LOS ANGELES, Cal.—Until 2 P.M. November 16, bids will be received by city supervisors to construct the Ocean Ave. bridge across the entrance to Alamitos Bay, as part of the Alamitos Bay Outlet Project.

Bids will be taken on all work complete except structural steel work, and on steel work separately.

This bridge will serve both vehicular and pedestrian traffic, and Pacific Electric Ry. The structure will be a wood pile trestle, 466 ft. long, with steel girders carrying the railroad tracks. The bridge will be 40 ft. between curbs, with 5-ft. walk on each side. The work will require about 250 50-ft. treated piling. The roadway will be paved with asphaltic concrete. The construction will be entirely in Orange county, but jurisdiction has been granted to Los Angeles county. The bridge will connect Ocean Blvd. in Long Beach with Ocean Ave. in Seal Beach. The water depth at this point of the channel is 14 ft. from the bed to high tide line, or about 8.5 ft. from mean lower low water to high tide line.

W. D. Armstrong, 12th floor, Hall of Records, Chief Bridge Engineer, Mame B. Beatty, 303 Hall of Records, Clerk of the Board.

LONG BEACH, Cal.—Arthur H. Adams, public service director, announces completion of plans for viaduct over the Pacific Electric Railway at Hill St. and Orange Ave. The estimated cost is \$140,000, and will be apportioned among the cities of Long Beach, Signal Hill, the county, and the railway company. Bids for construction will be asked shortly.

PETALUMA, Sonoma Co., Cal.—L. H. Nishkian, civil engineer, 525 Market St., San Francisco, commissioned by city council to prepare plans for the proposed D St. bridge for which a bond issue will be submitted to the voters shortly.

BERKELEY, Alameda Co., Calif.—Martin Murphy, 1321 Milvia St., Berkeley, at \$2126 awarded contract by the Board of Education for construction of monolithic reinforced concrete transition sections and concrete culvert in Strawberry Creek on grounds of Burbank Junior High School gymnasium building.

DREDGING, HARBOR WORKS & EXCAVATIONS

SACRAMENTO, Colusa Co., Cal.—and Murch, Willows, at \$3248 submitted low bid to U. S. Engineer Office, Sacramento, for raising an existing levee for a distance of 200 ft. along the easterly side of Yolo By-Pass between the Yolo Causeway on the Sacramento-Davis Highway and the Southern Pacific Railroad, involving 23,200 cu. yds. Complete bids follow:

Freeman and Murch, \$3248 (.14 per cu. yd).
J. P. Breen, Sacramento, \$4640 (\$20).
J. R. Reeves, \$5776.90 (\$249).
M. J. Hughes, \$6264 (\$27).
Clyde Wood, Stockton, \$7424 (\$32).
A. Teichert & Son, \$7889 (\$34).
Cloud & Sherman, \$10,440 (\$45).
Harrison and Harrison, \$10,798 (\$465).
Engineer's estimate, \$5,621.20 (\$248).

LONG BEACH, Cal.—F. D. O'Neal, 332 South St., Long Beach, awarded contract by city council at \$14,192.50 for the excavation and construction of dirt, gravel and oiled foundations for six steel tanks to be erected on Alamitos Hill for the water department, involving: moving of reservoir; 93,000 yards excavation.

SAN DIEGO, Cal.—Standard Dredging Co., 325 Central Bldg., Los Angeles, awarded contract by the U. S. Bureau of Yards and Docks, at about \$54,000 for dredging at Naval Operating Base (Destroyer Base), under Specifications No. 6686.

LOS ANGELES, Cal.—Merritt-Chapman & Scott Corp., 720 Wilmington Ave., San Pedro, awarded contract by county supervisors Nov. 2 at \$41,681.25 to construct earth levee and the furnishing and placing of rock rip-rap on the west bank of the Los Angeles River at Orange St. and the Pacific Electric Railway, Santa Ana line.

IRRIGATION PROJECTS

TURLOCK, Stanislaus Co., Cal.—Aldrin and Anderson, Turlock, at \$15.40 cu. yd. awarded contract by Turlock Irrigation District to construct reinforced concrete structures in Laterals Nos. 7 and 8 and in the Baxter and Delmas ditches.

STREET LIGHTING SYSTEMS

STOCKTON, San Joaquin Co., Cal.—City council declares intention to install ornamental street lighting together with underground system in Kensington Way between South Tuxedo Ave. and Smith Lane; Westminster Ave., between Bristol Ave. and Oxford Way; Clarendon Ave. between Oxford Manor and North Country Club Blvd. and in other streets, involving 58 ornamental single light standards of the King, French Design, Ferronite Standards as manufactured by the King Company of Chicago. Work under Municipal Lighting Maintenance District Act of 1927. Hearing November 23. B. L. Trahern, city clerk. Lyle Paynton, city engineer.

MACHINERY AND EQUIPMENT

BERKELEY, Alameda Co., Calif.—Following bids received by city council to furnish one truck, capacity of 7000 lbs., for Bureau of Garbage: George Nelson, \$3897; allowance of \$419 for old truck.
Deane Motor Co., \$4200; allowance, \$50.
Kleiber Motor Co., \$4698; allowance, \$50.
Bids held under advisement.

MADERA, Madera Co., Calif.—Until Nov. 18, 10 A. M., bids will be received by L. W. Cooper, county clerk, to furnish one new Super Mogul Caterpillar grader, 12 ft. blade, weight not less than 10,355 lbs. or equal, f.o.b. Chowchilla, Calif.

SAN JOSE, Santa Clara Co., Calif.—County purchasing agent authorized to purchase one 40 by 124 model drying tumbler for county hospital.

REDWOOD CITY, San Mateo Co., Calif.—Until November 20, 7:30 P. M., bids will be received by J. D. Hedge, clerk, Sequoia Union High School District, to furnish one thirty-five passenger automobile school bus. Bids may be submitted for complete bus or for chassis and body separately. Time of delivery must be stated. Specifications obtainable from Principal of Sequoia Union High School. Certified check 10% payable to clerk required with bid.

SACRAMENTO, Calif.—Until November 10, 10 A. M., bids will be received by the State Purchasing Agent, under Reg. No. 16633, 6192-1/2, to furnish 1 a. b. San Bernardino, Shop 8, two 1-man pneumatic tired, single drive motor grader units with 8-in. moldboard and blade. Alternate bids will be received on units with 10-in. moldboard and blade. Specifications on file at office of Daily Pacific Builder, 547 Mission St., San Francisco.

OROVILLE, Butte Co., Calif.—County supervisors authorize the purchase of one 60 horsepower tractor, one three-ton truck, one rock crusher and hand tools. Estimated total cost, \$8000.

LONG BEACH, Calif.—Until 2:30 P. M., Nov. 9, bids will be received by C. C. Lewis, city manager, for furnishing the city a road disc and grader.

SUNNYVALE, Santa Clara Co., Calif.—Until November 17, 8 p. m., bids will be received by Leo H. Vishoot, clerk of Fremont Union High School District, to furnish school bus, as follows:

One school bus Chassis wheelbase of 230 in.—or to suit body. 2 Gross rating not less than 15,000 lbs.

Motor: Six cylinder bore, 3%-in.; stroke 4%-in.; displacement 255 cu. in.; 68 h. p. at 2500 R. P. M.; pressure feed lubrication; chrome-nickel steel crank shaft.

Frame of pressed steel channel 8-in. deep.

Front axle: Timken "T" beam drop center; extra heavy spindles and steering knuckles; Timken bearings in wheels; tread 64-in.

Rear axle: Timken 56,000 series bevel gear full floating gear ratios provided to suit operating conditions; tread 67 7/16-in.

Brakes: Lockheed Hydraulic, operated on four wheels; internal expanding with moulded lining, special cast drums 16-in. diameter; hand operated emergency brake on drive line.

Steering gear: Ross cam and lever type, non-reversible, disc controls;

steering column set to give maximum driving comfort.

Wheels: Budd pressed steel rim integral.

Tires: 8.25-20 Heavy Duty front and dual rear.

Alumetite lubrication.

Standard equipment with Chassis: Engine hood, front fenders, spare wheel, head-lights, combination tail and stop light, dash light, oil gauge, ammeter, speedometer, dash type heat indicator, tool kit, jack wheel wrenches, oil can and pressure grease gun.

Bids will be received on "straight frame" or "drop frame."

Bids will also be opened for bus bodies to carry between 40 and 50 students. Bodies to be either steel or wood. Seats to be either upholstered or plain.

WILLOWS, Glenn Co., Calif.—Until November 10, 11 a. m., bids will be received by W. B. Sale, county clerk, to construct and install a ferryboat at Princeton, Colusa county, as follows:

- (1) complete construction of ferryboat according to plans and specifications;
- (2) construction and installation of ferryboat less engine house and transferring machinery from the old to the new ferryboat.

Certified check 10% payable to chairman of board of supervisors required with bid.

BERKELEY, Alameda Co., Calif.—Until Nov. 16, 8 P. M., bids will be received by Clara F. Andrews, secretary, Board of Education, 2325 Milvia Street, to furnish and deliver one Demonstrator Engine Lathe for the Berkeley High School. Specifications obtainable from secretary.

LONG BEACH, Calif.—Until 10 A. M., Nov. 9, bids will be received by city manager, C. C. Lewis, for furnishing two graders and two road discs in accordance with specifications which may be obtained from city manager's office. This advertisement cancels and supersedes an advertisement previously sent out for one grader and one road disc, returnable on same date.

FIRE ALARM SYSTEMS

BEVERLY HILLS, Los Angeles Co., Calif.—Until 8 p. m., November 24, bids will be received by city council to furnish and install traffic signals at Wilshire Blvd., Reeves Ave. and Canyon Drive. B. J. Firminger, city clerk.

FIRE EQUIPMENT

PLACERVILLE, El Dorado Co., Calif.—City council plans election soon to vote approximately \$12,000 worth of bonds to finance construction of a fire house, truck, pumping apparatus and minor equipment.

RESERVOIRS AND DAMS

LOS ANGELES, Calif.—E. C. Eaton, chief engineer, County Flood Control Department, announces that bids will be asked within the next two weeks to construct the diversion tunnel, 14 ft. in diameter and 800 ft. in length, in connection with San Gabriel Dam No. 2. The dam, which is located 9 miles up the West Fork of the San Gabriel Canyon, will be of rock fill type with flexible concrete face, and will have a height of 290 ft. It will impound approx. 14,000 acre feet. Plans for the San Gabriel Dam No. 1, which will be built on the main stream 2 miles from the present camp, show

a rock fill structure, with flexible concrete facing, 300 ft. in height, impounding 72,000 acre feet.

CLE ELUM, Wash.—Lahar Construction Co., Boonville, Mo., awarded contract by U. S. Bureau of Reclamation, Denver, at \$198,375 for clearing of the Cle Elum dam site; Specifications No. 538-D.

PIPE LINES, WELLS, ETC.

MODESTO, Stanislaus Co., Calif.—Directors of the Modesto Irrigation District and the city of Modesto will hold a joint meeting November 2 to consider a report of Frank J. Rossi, city engineer, and F. J. Van Winkle, engineer for the district, for replacement of a portion of Lateral No. 4 with an underground conduit pipe. The plan, advanced by property owners who live near the canal, is to pipe the water through the residence district for a distance of approximately one mile. Tentative estimate place the cost of a conduit 9 feet in diameter 10 to 12-inch thickness, at \$155,000.

SEWERS AND SEWAGE DISPOSAL PLANTS

LAS VEGAS, Nev.—Standard Paving Co., Tulsa, Okla., at \$102,585.65, bidding on concrete pipe, submitted low bid to city council to construct sanitary sewer system and disposal plant, Fuller Construction Co., Dallas, Texas, at \$106,510.54, low for vitrified clay pipe. A complete list of the unit and total bids on this project will be published shortly.

BOULDER City, Nev.—Stearns-Rogers Mfg. Co., 1718 California St., Denver, Colo., at \$29,445 awarded contract by U. S. Reclamation Service to construct water purification plant and at \$80,485 for sewage disposal plant at Boulder City.

ST. HELENA, Napa Co., Calif.—Until November 17, 8 p. m., bids will be received by E. R. Palmer, city clerk, to improve sewage disposal plant. Plans prepared by John A. Mitchell; obtainable from city clerk.

BERKELEY, Alameda Co., Calif.—Until November 10, 10 a. m., bids will be received by Florence E. Turner, city clerk, to construct sewer in El Mirador Path, involving:

- (1) 310 lin. ft. 6-in. vit. pipe;
- (2) 370 lin. ft. 10-in. vit. or concrete pipe;
- (3) 76 lin. ft. 10-in. con. pipe;
- (4) 2 manholes;
- (5) 2 catch basins;
- (6) 2 cu. yds. concrete.

Certified check 10% payable to city with bid. Plans obtainable from the city engineer on deposit of \$10, returnable.

SACRAMENTO, Calif.—Until Nov. 5, 8:15 P. M., bids will be received by H. G. Denton, city clerk, to install six-w. clay tile ducts on 8th, H and 9th Sts., together with two concrete manholes and necessary appurtenances. Specifications obtainable from J. Klaus, city engineer, upon deposit of \$1. Certified check 10% payable to City Controller required with bid.

LAS VEGAS Nevada.—Fuller Const. Co., Dallas, Tex., at \$106,510.54 awarded contract by city council to construct sanitary sewer system and a disposal plant. The work involves the construction of the disposal plant, consisting of by-pass manhole, screen chamber, incinerator, tanks, drying

apparatus, pump house, pumps and motors, pling, valves, etc.

SAN JACINTO, Riverside Co., Cal.—Property owners will organize sewer district preliminary to calling an election to vote bonds of \$90,000 to finance construction of a sewer system.

WATER WORKS

BEVERLY HILLS, Cal.—Commercial Iron Works, 2424 Porter Ave., Los Angeles, submitted the low bid to city council at \$769 to furnish recording water meter for the city water department. The other bids were: Water Works Supply Co., \$960.60; California Filter Co., Inc., \$1180.

EUGENE, Oregon—Until 7:30 P. M. Nov. 16, bids will be received by Eugene Water Board, to construct filtration plant building, settling basins and certain adjacent structures for the Eugene municipal waterworks system. The work includes the furnishing and placing of approximately 4300 cu. yds. of concrete. Bids have been asked for concrete work on a unit price basis and for all other work at a lump sum price. Plans on the complete project are on file at the office of the Eugene water board, Eugene, Ore., and at the offices of Stevens & Koon, consulting engineers, Spalding Bldg., Portland, Ore. Copies may be obtained from the engineers upon deposit of \$25.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—San Luis Obispo County Water Works, District No. 3, voted bonds of \$18,000 at a recent election to finance installation of pumps, water wells and water mains. John P. Black, San Luis Obispo, is county surveyor.

SACRAMENTO, Cal.—Bids will be asked shortly by the city council to furnish pumps and motors for additional pre-treatment works at the Municipal Filtration Plant. The Plant will have a capacity of 64,000,000 gallons. There will be four pumping plants, two of 25,000,000 gallons daily capacity each and the other two of 20,000,000 gallons capacity each. Fred J. Klaus is city engineer.

LOS ANGELES, Cal.—Wallace & Tiernan Co., Inc., 3923 W. 6th St., submitted only bid to city purchasing agent at \$2771 with 30 day 10% discount, for furnishing one automatic vacuum type Venturi tube control chlorinator under Specification No. 2647.

SANTA CLARA, Santa Clara Co., Calif.—Construction of a 2,000,000 gallon city water reservoir is contemplated by city council on the Sbrana property near the water works.

SUNNYVALE, Santa Clara Co., Cal.—Fred D. Turner, 212 Anita Road, Sunnyvale, at \$6,159 awarded contract by the Public Works Officer, 12th Naval District, San Francisco, for construction of a one story frame garage and water supply system.

SACRAMENTO, Calif.—See "Miscellaneous Construction" this issue. Bids opened by Sacramento city commissioners to construct sedimentation unit in connection with Municipal Filtration Plant. Campbell Construction Co., 800 T St., Sacramento, low at \$379,747.

SAN FRANCISCO, Cal.—F. W. Snook 596 Clay St., at \$1,435 awarded contract by Public Works Officer, 12th Naval District, to install fuel oil filling and distributing lines at the Re-

ceiving Station, Yerba Buena Island, in San Francisco Bay.

ARCADIA, Los Angeles Co., Cal.—Until 8 p. m., November 19, bids will be received by city council to furnish and deliver cast iron pipe as follows: (1) 2500 ft. 6-in. pipe, class 150 or equal; (2) 2500 ft. 8-in. pipe, class 150 or equal.

Ladder to state time of delivery and specifications. G. G. Meade, city clerk.

SAN FRANCISCO—Until Nov. 13, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to furnish and install three electric power transformers to enlarge Seco Substation for pumping water through the Corral Hollow Pipe Line. Estimated cost \$7,500. Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Specifications obtainable from the San Francisco Water Department, 425 Mason Street, San Francisco.

FRESNO, Fresno Co., Cal.—Until November 27, bids will be received by D. M. Barnwell, county clerk, to construct pipe line and pumping plant to bring water from the San Joaquin river to the Wish-I-Am Tuberculosis Sanitarium at Aubrey. Plans on file in office of clerk.

BREA, Orange Co., Cal.—City votes bonds of \$20,000 to finance construction of new water mains. Work will be undertaken as a means to relieve unemployment.

TRACY, San Joaquin Co., Cal.—Until November 17, 8 p. m., bids will be received by George L. Frerichs, city clerk, to extend water system, involving:

- (1) 850 ft. 6-in. C. I. pipe;
- (2) 20 ft. 4-in. C. I. pipe;
- (3) 2 fire hydrants;
- (4) 2 6-in. C. I. valves;
- (5) 2 4-in. C. I. valves;
- (6) 1 8 to 6 "T";
- (7) 2 6 to 6 "T";
- (8) 1 6-in. "L";
- (9) 2 6 to 4 "T".

Alternate bids will be received on the above work as follows:

- (A) Furnish and install materials;
- (B) Furnish materials only.
- (C) Install materials obtainable from E. T. A. Bartlett, city engineer, or from city clerk.

Certified check or bond 10% payable to city required with bid.

SACRAMENTO, Cal.—December 16 is the tentative date set by the directors of the Sacramento Municipal District to vote bonds of \$12,600,000 to finance construction of a mountain water supply system, known as the Silver Creek Project. It was originally proposed to submit an issue for \$10,800,000, but this estimate has been increased to \$12,600,000. Contemplated construction includes:

Union Valley Dam—To be rock fill type, 235 ft. high and 820 ft. long.

Ice House Dam—Concrete construction, 60 ft. high and 220 ft. long.

Pipe Lines—60 miles in length, mostly steel, 63 in. to 45 in. diameter. Sweetwater Creek equalizing reservoir—To be rock fill type, capacity of 3000 ac. ft.

A. Given, City Hall, Sacramento, Chief Engineer.

HAWTHORNE, Los Angeles Co., Cal.—Contract for furnishing cast iron pipe for water system awarded by city council as follows:

Grinnell Co.—4000 ft. of 6-in. pipe at 44c ft.; 4000 ft. of 4-in. at 29.4c ft.

Pacific States Cast Iron Pipe—8400 ft. of 2-in. pipe at 18.7c ft.

FRESNO, Fresno Co., Cal.—Federal Pipe and Supply Co., 670 2nd St., San Francisco, at \$1450 awarded contract by city council to furnish valves for municipal water department. Complete list of bids published in issue of October 30.

HUNTINGTON PARK, Los Angeles Co., Cal.—Bids to furnish 650 ft. 16-in. and 500 ft. 12-in. cast iron pipe, opened by city council Oct. 19, were rejected. The material will be purchased in the open market. Howard S. McCurdy is city engineer.

PORIT TOWNSEND, Wash.—Until November 3, 5 P. M., bids will be received by C. F. Christian, city clerk, to construct Olympic gravity water system, involving wire-wound untreated pipe, as follows:

- 2351 ft. 8-in., 300-ft. head;
- 6420 ft. 8-in., 250-ft. head;
- 1070 ft. 8-in., 200-ft. head;
- 760 ft. 8-in., 150-ft. head;
- 1951 ft. 6-in., 300-ft. head;
- 9792 ft. 6-in., 250-ft. head;
- 145 ft. 4-in., 300-ft. head;
- 1106 ft. 4-in., 250-ft. head;
- 550 ft. 4-in., 200-ft. head;
- 22 ft. 4-in., 150-ft. head.

Included in the cast iron pipe, etc., needed are the following:

- 225 ft. 8-in., cl. 300;
- 743 ft. 8-in., cl. 150;
- 652 ft. 6-in., cl. 250;
- 38 ft. 4-in., cl. 250;

7600 lbs. cast iron fittings for wood pipe.

2157 lbs. cast iron fittings for cast iron pipe;

52 cast iron valve boxes.

Specifications on file in office of city clerk.

LONG BEACH, Cal.—Until 2 P. M., Nov. 10, bids will be received by the city manager, C. C. Lewis, for the fabrication and erection of six steel tank water reservoirs on Alamitos Hill. Each tank will be 132 ft. in diameter and 35 ft. high. Excavation and placing of oil and gravel foundations will be done under separate contract. Plans were prepared by Burt Harmon, hydraulic engineer; J. F. Lippincott, consulting engineer.

HAWTHORNE, Los Angeles Co., Cal.—Bids for furnishing cast iron pipe opened by City Council follow:

- (1) 4000 ft. 6-in. pipe;
- (2) 4000 ft. 2-in. pipe;
- (Alt.) 8000 ft. 4-in. pipe.

Pacific States Cast Iron Pipe Co.—(1) 46c, (2) 19.7c (open bell, 18.7c ft.); Alt. 32.5c ft.

National Cast Iron Pipe Co.—(1) 47.6c, (2) 21c, 19-ft. lengths 25c; Alt. 33.7c ft.

American Cast Iron Pipe Co.—(1) 46.75c, (2) 20c; Alt. 33c.

U. S. Pipe & Foundry Co.—(1) 47.25c (2) 21c, Alt. 33.2c.

Grinnell Co.—(1) 44c, (2) 19c; alt. on 2-in. Belgian pipe 17c, Alt. on 4-in. pipe 29.4c.

OAKLAND, Cal.—Pacific States Cast Iron Pipe Co., 111 Sutter St., San Francisco, at \$13,100 awarded contract by East Bay Municipal Utility District to furnish 9500 ft. 8-in. and 20,000 ft. 4-in. c. i. pipe.

FAIRFIELD, Solano Co., Cal.—Until November 13, 8 p. m., bids will be received by Lewis Morrill, city clerk, to supply a deep well turbine pump. Specification obtainable from city clerk.

SAN DIEGO, Cal.—Coast Plumbing Co., 3512 45th St., San Diego, submitted low bid of \$2757.76 to the Public Works Officer, 11th Naval District,

San Diego, for furnishing and installing two 19,000-gallon capacity steel tanks; two electrically driven two-horse pumps and necessary equipment at the Naval Operating Base (Destroyer Base and Training Station), San Diego, Specification No. 6686. The low bidder has been recommended for the award. Complete bids follow: (Cash Plumbing Co.) \$2767.56
 L. A. Price (Keesee Mfg. Co.) 2955.33
 Thomas Haverly Co. 3400.00
 A. O. Reed Co. 3889.00

HAYWARD, Alameda Co., Cal.—More than 800 residents of the Oro Loma district will request the county supervisors on November 3 to call an election to form the Oro Loma County Water District with a view to voting bonds of \$92,629, to finance construction of a water distributing system to tie-in with the system of the East Bay Municipal District, of which F. W. Hanna is chief engineer and general manager.

BEVERLY HILLS, Los Angeles Co., Cal.—Until 8 p. m., November 24, bids will be received by the Beverly Hills city council to furnish one liquid ammonia feed machine for water department. Salisbury, Bradshaw & Taylor, Los Angeles, consulting engineers.

KINGSBURG, Fresno Co., Cal.—Until November 16, 7:30 p. m., bids will be received by C. R. Magnuson, city clerk, for scraping, cleaning, caulking and painting of the water tank and tower of the Municipal Water Company. Separate bids will be taken for tank alone and also tank and tower. Certified check 10% payable to City Treasurer required with bid.

FRESNO, Fresno Co., Cal.—Following bids received by city council to furnish gate valves for Municipal Water Department:

(A) Smith, Booth, Usher.	(1)	(2)	(3)	(4)
(B) C. G. Claussen & Co.	(A)	\$ 7.60	\$13.00	\$21.60
(C) Fresno Hardware Co.	(B)	8.55	14.63	27.50
(D) Tay-Holbrook Co.	(C)	8.80	16.50	27.75
(E) Crane Co.	(D)	8.92	15.27	27.75
(F) Federal Pipe and Supply Co.	(E)	8.93	15.27	27.70
(G) Commercial Iron Works.	(F)	9.02	15.40	24.20
(H) Richmond Supply Co.	(G)	10.00	16.50	29.00
(I) Walworth Co. of California.	(H)	10.02	17.06	27.45
	(I)	11.49	19.49	32.05
				52.11

OAKLAND, Cal. —Oakland Plumbing Supply Co., Fourth and Harrison Sts., Oakland, at \$1042 per lin. ft. submitted low bid to East Bay Utility District to furnish approximately 50,000 lin. ft. ¾-in. seamless copper tubing, complete list of bids follows: Oakland Plumbing Co. \$1042 Grinnell Co. 1047 Walworth Co. 1064 Tay-Holbrook, Inc. 106575 Baker-Hamilton-Pacific 1067 C. F. Honeywell Co. 10732 C. W. Marwedel Co. 1074 Crane Co. 1077 Ducommun Corp. 1104 Mueller Co. 1118 National Elec. Prod. Co. 1118 R. H. Leahy 1118 Chase Brass & Copper Wks. 1197 Baltimore Tube Co. 1238

GRASS VALLEY, Nevada Co., Cal. City council will ask bids shortly to furnish approximately 750' of 18-in. pipe to be laid on Alta Hill from the city reservoirs to connect with the municipal water system. City Super-

intendent Bennetts is completing the surveys.

TRACY, San Joaquin Co., Cal.—Bids will be asked at once by city council to construct water extensions in the Johnson Tract; estimated cost \$1,125. E. T. A. Bartlett, city engineer.

SAN FRANCISCO.—Following bids received Nov. 4 by the Board of Public Works to furnish and deliver butterfly and relief valves for the San Joaquin Valley Pipe Line, Hetch Hetchy Aqueduct, involving:
 (1) 2 automatic, inverting stop and relief valves;
 (2) 1 automatic pressure valve;
 (3) 1 60-inch butterfly valve.
Proposition A with understanding that contract may be awarded for any one of them.
Proposition B awards for all three items.

Proposition A	Proposition B
Pelton Water Wheel Co. (1) \$18,300	Chapman Valve and Mfg. Co., (1)
(2) \$5,210 (3) \$4,840.	\$31,750 (2) \$6,155 (3) \$4,985.
Joshua Hendy Iron Works, (1) \$19,764 (2) \$5,680 (3) \$3,950.	Proposition B
	Chapman Valve Mfg. Co. (1) \$31,750 (2) \$5,470 (3) \$4,300.

MISCELLANEOUS CONSTRUCTION

SAN DIEGO, Cal.—Until 11 A. M. Nov. 18, bids will be received by city purchasing agent, A. V. Goeddel, for constructing and operating a garbage disposal plant to cost not less than \$150,000. The bidder is to furnish his own specifications for this plant, which is to provide for the cremation or reduction of garbage, the residue to be disposed of by the plant operator. The plant is to have a capacity of not less than 80 tons per day. The plant is to be located in or near the corporate city limits and construction must be started within 30 days from the date of award of contract. The city council does not specify the method of reduction but has announced that it is opposed to the feeding of raw untreated garbage to hogs intended for human consumption.

STREETS AND HIGHWAYS

CHICO, Butte Co., Cal.—Charles N. Mayne, Dayton Road, Chico, at \$16 cu. yd. awarded contract by board of education to grade football field and track at Chico High School. Bids follow:
 Charles N. Mayne..... \$16
 Lawrence L. Neal 34
 Whitlock & Sons..... 40
 Brooks, Yockey & Sons..... 40

RIO VISTA, Solano Co., Cal.—Until November 12, 3 P. M., under Order No. 3379-FEP, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to furnish and deliver Rio Vista, Solano County, 35 cu. yds. clean gravel, suitable for concrete; 65% gravel up to 2-in., and 35% sand, with delivery to be made by truck, in stock piles at U. S. Engineer Station, Rio Vista.

REDWOOD CITY, San Mateo Co., Cal.—City Engineer C. L. Dimmitt in a report to the city council estimates the cost of extending Rogers St. from Arguello St. to the Bayshore Highway. For a street 60-ft. wide, the cost is placed at \$25,000 and a street 40-ft. wide, \$18,600.

SAN DIEGO, Cal.—Until 11:30 A. M. Nov. 9, bids will be received by the county supervisors to pave Road Sur-

vey 487 (1½ Mile Hills Road and its Relocations), a distance of 2.76 miles, with a Bitumulus pavement, one inch thick. Ernest R. Childs, county surveyor. The work involves:
 (1) 254,990 sq. ft. Bitumulus armorcoat, including preparing of subgrade.

ARIZONA STATE.—Following low bids submitted to the State Highway Commission:
 Geo. H. Oswald, 366 E 58th St., Los Angeles, at \$149,127.74 for highway construction on the Florence-Tucson Highway.

The work consists of the grading, draining and placing subgrade stabilizer over portions of 94-D and the oil processing by the road mix method of the entire length (approx. 22 miles).

Pearson, Dickerson & J. C. Morse, 4485 Cypress St., Riverside, at \$49,620.25 for highway construction on the Topock - Kingman Road, A.F.E. No. 6619. The work consists of placing of mineral aggregate and the oil processing by the road mix method of the entire project.

Sheels & Graham, 709 Consolidated Bank Bldg., Tucson, at \$10,729.68 for highway construction on the Tucson-Benson Highway, F. A. 90-A, Reo, and on the Benson-Vail Highway, F. A. 18-A, Reo.

The work consists of cleaning the road surface and placing a cut-back asphaltic seal coat upon the oiled surfacing in place.

BERKELEY, Alameda Co., Calif.—Heafey-Moore Co., 344 High St., Oakland, at \$1985 awarded contract by the Board of Education for grading the sidewalk area along the south side of Hopkins Street at the Garfield School grounds.

SANTA BARBARA COUNTY, Cal.—M. J. Bevanda, Elks Bldg., Stockton, at \$306,711.50 awarded contract by the State Highway Commission to grade and pave with Portland cement concrete 9.7 miles between Los Alamos and 2 miles north of Solomon Summit. Complete total and unit bids published in our issue of Oct. 30.

PHOENIX, Ariz.—Until Nov. 24, 10 A. M., bids will be received by U. S. Bureau of Public Roads, 802 Title and Trust Bldg., Phoenix, Ariz., for 6.322 miles of highway grading and structures, Section E, Route 7, Oak Creek National Forest Highway, Cocoon National Forest, Arizona, involving:

- (1) 38 acres clearing;
- (2) 190,000 cu. yds. unclass. excav.;
- (3) 2,550 cu. yds. unclass. excav. for structures;
- (4) 72,000 sta. yds. overhaul;
- (5) 6.31 miles finish earth graded rd.;
- (6) 3,583 lin. ft. corr. metal pipe;
- (7) 649 cu. yds. concrete;
- (8) 46,500 lbs. reinf. steel;
- (9) 25,000 lbs. structural steel;
- (10) 120 cu. yds. cement rubble masonry;
- (11) 130 cu. yds. hand-laid rip-rap;
- (12) 1,200 cu. yds. hand-laid rock embankment;
- (13) 13,000 lin. ft. wood guard rail;
- (14) 14,200 lin. ft. move and reset fence;
- (15) 92 right of way monuments;
- (16) 2,676 lin. ft. 8-in. slip joint irrigation pipe;
- (17) 24,000 lin. ft. protection ditch.

Specification obtainable from C. H. Sweetser, District Engineer, at above office, upon deposit of \$10. Certified check payable to Federal Reserve Bank of San Francisco.
 rar & Carlin, 67 Hoff Street, at \$240 awarded contract by Constructing Quartermaster, Fort Mason, for road repairs at Fort Funston, involving regrading the red rock road with bitumulus, 335x12-ft.

LOS ANGELES, Cal.—E. C. Eaton, chief engineer, County Flood Control Department, has recommended to the State Highway Commission the construction of a highway along the West side of the San Gabriel river, anticipating the construction of the dam at the mouth of Pine Canyon. The cost is estimated at \$1,300,000 and the expense would be borne as follows: \$200,000 by the federal government; \$200,000 by the state; \$350,000 Los Angeles county flood control department; \$200,000 by the city of Pasadena; and \$350,000 from state gasoline tax funds.

SAN FRANCISCO—California Construction Co., Standard Oil Bldg., at \$4054.50 awarded contract by Board of Public Works to improve Marina Harbor Esplanade, involving:

- (1) 60,000 sq. ft. 2-in. asph. conc. wearing surface, \$9,059.
- (2) 11,500 sq. ft. 1½-in. asph. conc. wearing surface, \$9,043.
- (3) 200 lin. ft. 2x4-in. redwood header, \$0.10.

SAN FRANCISCO—California Construction Co., Standard Oil Bldg., at \$350 (4011) awarded contract by Board of Public Works to improve Section A of the Alemany Blvd., bet. Bayshore Blvd. and the Mission Viaduct, involving 300,000 sq. ft. oiled wearing surface.

BERKELEY, Alameda Co., Cal.—Until November 10, 10 a. m., bids will be received by Florence E. Turner, city clerk, to widen and improve northeast corner of Russell St. and Claremont Ave., involving:

- (1) 2100 cu. yds. grading;
- (2) 2100 sq. yds. oil macadam;
- (3) 1000 sq. ft. re-macadamized;
- (4) 1 catch basin;
- (5) 10 lin. ft. 12-in. pipe;
- (6) remove concrete wall;
- (7) 1 man hole on existing catch basin.

Certified check 10% payable to city required. Plans obtainable from city engineer on deposit or \$10, returnable.

SAN FRANCISCO—Granfield, Far-

SAN DIEGO, Cal.—Griffith Co., 2104 Main St., San Diego, and 502 L. A. Railway Bldg., Los Angeles, awarded contract by county supervisors, at \$22,728 to improve the Tia Juana Road, between the highway junction at San Ysidro and the new Tia Juana Gate, approximately 1500 lin. ft. The bid was based on asphaltic concrete pavement.

SAN FRANCISCO—Granfield, Farrar & Carlin, 67 Hoff St., at \$240 submitted low bid to Construction Quartermaster, Fort Mason, for road repairs at Fort Funston, involving covering the red rock road with bitumuls, 335x12 ft. Following is complete list of bids:

Granfield, Farrar & Carlin.....	\$240
Pacific Pavements Co.....	330
Alfred Hellwig.....	330
E. J. Treney.....	430
P. F. Speidel.....	674
J. P. Holland.....	990

Bids under advisement.

OAKLAND, Cal.—Hutchinson Co., 1450 Harrison St., Oakland, at \$15,275.36 awarded contract by city council to improve 12th St. between Fallon and Lakeshore Ave. and portions of Fallon and 14th St. extension, involving in the main:

- 850 cu. yds. earth fill;
- 834 tons macadam foundation;
- 1122 tons asph. concr. surface course.

MODESTO, Stanislaus Co., Cal.—City council approves \$15,000 to purchase rights-of-way in Ninth St. to meet requirements of the State

Highway Commission for initiation of a \$200,000 project to re-route the Golden State Highway through Modesto. The project includes the construction of a bridge over the Tuolumne river and a new highway from that span to connect with the present highway at Hatch Crossing, Frank J. Rossi is city engineer.

OAKLAND, Cal.—Heafey-Moore, 344 High St., Oakland, at \$29,022 awarded contract by city council to improve Harrison St. between 20th St. and Grand Ave., involving in the main: 129,414 sq. ft. grading; 95,835 sq. ft. pave, consisting of 2-in. asph. conc. surface on 6-in. Portland cem. conc. foundation.

Complete until and total bids published in our issue of October 24.

TRINITY COUNTY, Cal.—Until November 9, 2 p. m., bids will be received by District Engineer, State Highway Commission, Redding, to furnish 4.75 cu. yds. crushed gravel or stone in stockpiles between Weaverville and Grass Valley Creek, Trinity county.

See call for bids under official proposal section in this issue.

MODESTO, Stanislaus Co., Cal.—County Purchasing Agent G. O. Strom authorized by county supervisors to ask bids to furnish county with road oil. George Macomber is county surveyor.

SAN FRANCISCO, Cal.—Until November 18, 2:30 p. m., new bids will be received by S. J. Hester, secretary, Board of Public Works, to construct 5000 sq. ft. artificial stone sidewalks in Brussels St. between Harkness and Wilde Aves. and other streets. Bids previously received for this work rejected, low bid being submitted by D. C. McCabe at \$1,155 sq. ft. Certified check 10% payable to clerk of the Board of Supervisors required with bid. Plans obtainable from Bureau of Engineering, 3rd floor, City Hall.

PACIFIC GROVE, Monterey Co., Cal.—Granite Construction Co., Watsonville, at \$891 awarded contract by city council to improve Eardley Ave. between Lighthouse Ave. and Junipero Ave., involving in the main:

- (1) 22,000 sq. ft. oil macadam on reconstructed bases;
- (2) 32,000 s. ft. oil macadam on existing base;
- (3) 3500 lin. ft. conc. curb and gutters.

Bids follow:
Granite Construction Co., Watsonville.....\$ 8,261
W. A. Dontanville, Salinas.....9,537
Clark & Henery, San Francisco 10,303

SAN JOSE, Santa Clara Co., Cal.—Union Paving Co., Call Bldg., San Francisco, at \$4,899.31 awarded contract by city council to improve Seventh St. from Emme to Jackson Sts. Complete until and total bids published in our issue of October 22. Unit bid of Union Paving Co. follow:
29,802 sq. ft. asph. conc. paving.....\$.13
2,189 s. ft. gutter......25
1093 lin. ft. curb......30
2 concrete inlets.....23.90
45 lin. ft. 8-in. V. P. storm drains.....50
75 lin. ft. 4-in. V. P. house laterals.....90
867 sq. ft. valley gutter......25

SACRAMENTO, Cal.—A. Telchert and Son, 1846 37th St., Sacramento, at \$1267 awarded contract by city council to improve alley between T. U., 4th and 5th Sts., involving c. i. gutter drains with sewer connections; vit. ironstone pipe sewers; reconstruct manhole; install 1-in. water main connections; grading; hyd. conc. pavement; concrete curb.

LOS ANGELES, Cal.—Until November 12, 10 a. m., bids will be received by General Manager, Harbor Department, City Hall, for widening and miscellaneous paving on Water St. and Fries Ave., at Berths, 145-146, involving:

- (1) 166,750 sq. ft. 7-in. asph. conc. paving;
- (2) 450 sq. ft. 9-in. asph. conc. paving;
- (3) 735 sq. ft. 5-in. asph. conc. paving;
- (4) 1550 sq. ft. 3-in. asph. conc. paving;
- (5) 705 lin. ft. 18-in. stand. curb, and other incidental items.

Specifications obtainable from the Harbor Engineer, City Hall, San Pedro. Spec. No. 887.

OAKLAND, Alameda Co., Cal.—Lee J. Immel, 1031 Evelyn St., Berkeley, at \$2480 awarded contract by Oakland City Port Commission for construction of a temporary macadam roadway between 5th and 9th Aves.

VACAVILLE, Solano Co., Cal.—County supervisors contemplate construction of highway to connect with the Pacific highway north of Zamora and connecting Vacaville and Winters.

SAN FRANCISCO—Clancy Bros., 162 Duncan St., at \$336 submitted low bid to Constructing Quartermaster, Fort Mason, for constructing concrete sidewalks in front of the non-commissioned officers' quarters, No. 1 to 3 at the Presidio. Following is a complete list of bids received:

Clancy Bros.....	\$336
A. C. Anderson.....	329
Louis Lambretti.....	390
Robert McCarthy.....	394
L. Sartorio.....	420
E. J. Treney.....	422
D. C. McCabe.....	528
F. J. Kelly.....	547
E. G. Hart.....	560
P. F. Speidel.....	575
L. M. Bruce.....	600
DeLuca & Son.....	610
Thomas Sontag.....	687

Bids under advisement.

REDWOOD CITY, San Mateo Co., Cal.—County Surveyor Jas. S. James submits cost estimates to board of supervisors to grade and pave with oil macadam one and one-quarter miles of the La Honda Grade road for a width of 20 feet. Construction will cost \$24,750 not including \$500 for culverts, right of way costs, engineering or inspection fees. The board of supervisors has ordered the engineer to confer with property owners for rights of way.

STOCKTON, San Joaquin Co., Cal.—Pereira and Reed, 547 Roosevelt Ave. Tracy, at \$5,980.50 awarded contract by county supervisors to improve Telegraph Road through Warner Heights in Road District No. 1. Bids follow:
Pereira & Reed, Tracy.....\$5,980.50
Geo. French, Jr., Stockton.....6,302.90
Willard & Biasotti, Stockton.....7,561.50

SACRAMENTO, Cal.—J. R. Reeves, Route 3, Box 100, Sacramento, at \$2,078.48 awarded contract by county supervisors to construct road rock base with an oil surface on Lower Marysville Road to replace the Natomans Trestle. Unit bid follows:

- (1) tractor and grader, per day, \$28.
- (2) finish subgrade, \$.005 per sq. ft.
- (3) road rock, \$1.60.
- (4) road oil, \$.04.

Bids were:
J. R. Reeves, Sacramento.....\$2,078.48
A. Telchert & Son, Inc.,.....2,241.88
E. F. Hillard.....2,563.88
McGillivray Const. Co.....3,789.89

CHURCHILL COUNTY, Nevada.—Until November 18, 2 P. M., bids will be received by S. C. Durkee, state highway engineer, to construct portion of state highway system in Churchill County, between Sand Springs and East Gate Route 2, Sections D1 and 2, E1 and 2, 29.46 miles in length, involving:

- (1) 110,000 cu. yds. rdwy. excav.;
- (2) 1730 cu. yds. struc. excav.;
- (3) 21,630 cu. yds. sel. borrow excav.;
- (4) 85,000 cu. yds. spa. overhaul;
- (5) 29.46 miles prepare subgrade and shoulders;
- (6) 96 demolish headwalls;
- (7) 1 demolish reinf. conc. box culvert.

- (8) 25,000 cu. yds. crushed rock or crushed gravel surf.;
- (9) 277 cu. yds. Class "A" concrete;
- (10) 109 cu. yds. Class "B" concrete;
- (11) 214 lin. ft. 15-in. corr. metal pipe;
- (12) 382 lin. ft. 18-in. corr. metal pipe;
- (13) 336 lin. ft. 24-in. corr. metal pipe;
- (14) 16 lin. ft. 30-in. corr. metal pipe;
- (15) 544 lin. ft. 36-in. corr. metal pipe;
- (16) 72 lin. ft. remove corr. metal pipe.

- (17) 158 lin. ft. remove and reset corr. metal pipe;
- (18) 168 corr. metal pipe culvert extensions;
- (19) 73 cu. yds. rip rap;
- (20) 198 monuments;
- (21) 2 furnish and install posts for federal land markers;
- (22) 29.46 miles finish roadway;
- (23) 3114 lin. ft. remove guard rail;
- (24) 880 lin. ft. remove and reconstruct fence;
- (25) 3 remove trees.

Plans obtainable from the engineer and on file in the office of the U. S. Bureau of Public Roads, 461 Market St., San Francisco.

LOS ANGELES, Calif.—Until 10 A. M., Nov. 12, bids will be received by the board of public works for grading, paving and otherwise improving Second St. bet. Glendale Blvd. and Figueroa St., under cash contract, involving:

For Bridge Foundation

- (1) 103.82 tons reinf. steel in place;
- (2) 1440 cu. yds. class F concrete;
- (3) 50 cu. yds. class G concrete;
- (4) 94 reinf. concrete piles, 30 ft. long and 406 reinf. concrete piles, 35 ft. long amounting to 16,090 ft. piling;
- (5) brick housings, complete in place.

For Street Improvement, Sanitary Sewer, Storm Drain, and Ornamental Lighting Conduit:

- (6) 14,532 cu. yds. excavation, 32,566 cu. yds. fill, including removal of existing improvements;
- (7) 205,929 sq. ft. 8-in. asph. concrete paving;
- (8) 193 sq. ft. asph. conc. wearing surface, variable thickness, average 2-in.;
- (9) 674 sq. ft. asphalt conc. wearing surface, variable thickness, average 4-in.;
- (10) 515 sq. ft. asphalt conc. wearing surface, 4-in. thick;
- (11) 39,379 sq. ft. 8-in. conc. paving, including local depressions;
- (12) 17,368 sq. ft. 6-in. conc. paving, including driveways;
- (13) 26,804 sq. ft. oiled roadway;
- (14) 43 sq. ft. class A resurfacing;
- (15) 319 sq. ft. class C resurfacing;
- (16) 6748 ft. heavy unplastered curb;
- (17) 3250 sq. ft. light do;
- (18) 1412 sq. ft. special curb;
- (19) 814 sq. ft. curb armor;
- (20) 4717 sq. ft. curb bar;
- (21) 53,494 sq. ft. 3-in. walk;
- (22) 586 sq. ft. 4-in. walk;
- (23) 4130 sq. ft. 6-in. walk (driveways);
- (24) 1678 sq. ft. 6-in. gutter;
- (25) 2464 sq. ft. 8-in. gutter;
- (26) 30 sq. ft. wooden guard rail;
- (27) 69 sq. ft. iron pipe guard rail to be removed and reset;

- (28) storm drain complete;
- (29) sanitary sewer complete;
- (30) 1216 ft. house sewers;
- (31) 490 ft. house sewers, type B;
- (32) 532 ft. house sewers, type D;
- (33) 374 vertical chimney pipe, type B;
- (34) ornamental light conduit and posts complete; remove and reset light post, etc., including new ornamental light system;
- (35) 29 manholes to be remodeled.

EL SEGUNDO, Los Angeles Co., Calif.—Until 7:15 P. M., Nov. 4, new bids will be received by city council to improve Imperial Highway, bet. Main St. and Arizona Drive, involving:

- (1) 28,000 cu. yds. grading and shaping (dump sum bid);
- (2) 342,000 sq. ft. 6-in. Bitumuls full penetration pavement;
- (3) Reinforced concrete double box culvert.

R. T. Hutchins, city engineer. 1911 Act. Bids received Sept. 30 rejected.

CALIFORNIA—State Highway Commission on October 24 accepted the following contracts:

Constructing a graded roadbed and placing a crusher run base and oil treated crushed gravel or stone surfacing between the second crossing of the Cuyama River and the easterly boundary of San Luis Obispo county, on the Santa Maria-Bakersfield lateral for a distance of 37.9 miles. Lang Transportation Co., contractor, \$299,800.

Constructing a graded roadbed and placing bituminous macadam surfacing between Hathaway Ave. and California Polytechnic school, near San Luis Obispo. H. C. Dalessi, contractor, \$8,400.

Following contracts were accepted by the Commission October 28:

Widening the existing pavement with asphalt concrete between East High Line Canal and San Hills on the San Diego-Yuma highway, for 21 miles. Griffith Co., contractor, \$98,100.

Grading and paving with asphalt concrete through Upland on the San Fernando-San Bernardino Road for 2.2

miles. Griffith Co., contractor, \$103,300.

Grading and surfacing with bituminous treated crushed gravel or stone between 3.2 miles north of Hollister and Pacheco Pass Road on the San Juan Bautista-Hollister Road, for 4.7 miles. Granite Const. Co., contractor, \$56,000.

Grading and placing untreated crushed gravel surfacing between Placerville and the R. R. crossing, on the Placerville-Tahoe highway for 1.7 miles. Finnell Co., Inc., contractor, \$56,800. 23

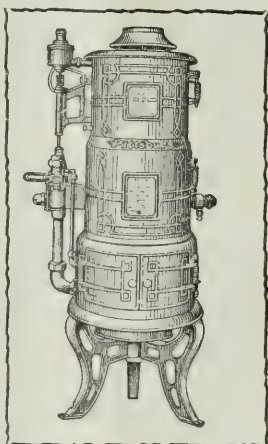
EL SEGUNDO Los Angeles County, Calif.—City votes bonds of \$146,000 to finance improvement of Arizona Ave. bet. Collingwood Ave. and Rosecrans Ave. Project involves:

- (1) 98,000 cu. yds. excavation;
- (2) 422,400 sq. ft. 7-in. asph. concrete pavement;
- (3) 380,160 sq. ft. light oil macadam shoulders;
- (4) 21,120 ft. curb;
- (5) 500 ft. concrete drainage pipe.

Proceeding under 1927 Municipal Improvement Act (No. 1). R. T. Hutchins is the city engineer.

SAN DIEGO, Cal.—Until 11 A. M., Nov. 9, bids will be received by county supervisors for grading highway across Torrey Pines Mesa. Est. cost, \$26,700. Ernest R. Childs, county surveyor. The pavement will probably be laid by the state highway commission.

A new catalog giving descriptions and prices of DeVilbiss Portable Spray-painting Outfits has recently been published by The DeVilbiss Company, Toledo, Ohio, manufacturers of spray-painting and spray-finishing equipment. This catalog contains information which should be of value to every user of spray-painting and decorating equipment. It is complete, concise and is easily understood. This catalog, known as the PC, will be sent free upon request to The DeVilbiss Company, Toledo, Ohio.



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309 13th Street, Oakland

478 Sutter St., San Francisco

SEND FOR CATALOGS

Contracts Awarded Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
1590	Doran	Owner	4000
1591	Erickson	Owner	4000
1592	McCarthy	Owner	3900
1593	Baldwin	Gibbs	1000
1594	Kissling	Owner	1500
1595	Miller	Owner	4000
1596	Acme	Owner	4000
1597	Benson	Owner	5000
1598	Holmgren	Owner	4000
1599	Western States	Owner	4000
1600	Anderson	Owner	1000
1601	Larson	Owner	4750
1602	Castle	Herzig	5000
1603	Benson	Owner	4500
1604	Baiz	Huergardt	1200
1605	Iverson	Owner	3500
1606	Horn	Owner	4000
1607	Schmidt	Owner	3000
1608	Merikanto	Bendon	6000
1609	Stoneson	Owner	5000
1610	Meyer	Owner	4000
1611	Madonich	Owner	1000
1612	Janssen	Owner	16000
1613	Halsen	Owner	8000
1614	Bursatti	Moriconi	1900
1615	Janssen	Owner	3500
1616	Brueck	Owner	3000

DWELLING
(1590) SE THIRTIETH AND DOLORES. Two-story and basement frame dwelling.
Owner—T. Doran, % 800 Guerrero St., San Francisco.
Architect—Not Given. \$4000

DWELLING
(1591) W THIRTY-FOURTH AVE 33 N Wawona. One-story and basement frame dwelling.
Owner—E. Erickson, 514 Miramar St., San Francisco.
Plans by Owner \$4000

DWELLING
(1592) E TWENTY-SIXTH AVE 125 S Noriega. One-story and basement frame dwelling.
Owner—J. E. McCarthy, 1342 Funston Ave., San Francisco.
Plans by Owner. \$3900

ALTERATIONS
(1593) NO. 2142 UNION. Alter store.
Owner—Mrs. Baldwin, % Coldwell Cornwall & Banker, 67 Sutter St., San Francisco.
Architect—Not Given.
Contractor—M. Gibbs, 2116 Fillmore St., San Francisco. \$1000

ADDITION
(1594) NO. 3715 MARKET ST. Addition to dwelling.
Owner—H. Kissling, Premises.
Plans by Owner. \$1500

DWELLING
(1595) E TWENTY-SECOND AVE 100 S Sloat Blvd. One-story and basement frame dwelling.
Owner—J. Miller, 55 Herman St., San Francisco.
Plans by T. H. Oliver. \$4000

DWELLING
(1596) N CAYUGA AVE 205 W Sickles Ave. One-story and basement frame dwelling.
Owner—Acme Constr. Co., 301 Ever-

green Ave., San Francisco.
Plans by Owner. \$4000

DWELLING
(1597) E FIFTEENTH AVE 200 S Santiago. One-story and basement frame dwelling.
Owner—A. J. Benson, 324 15th Ave., San Francisco.
Plans by Owner. \$5000

DWELLING
(1598) SW MADRID AND ITALY. One-story and basement frame dwelling.
Owner—V. Holmgren, 55 Allison St., San Francisco.
Architect—Not Given. \$4000

ALTERATIONS
(1599) NO. 1000 BRANNAN. Alter warehouse.
Owner—Western States Grocery Co., Ninth and Brannan Sts., San Francisco.
Architect—Couchot & Rosenwald, 525 Market St., San Francisco. \$4000

ALTERATIONS
(1600) 44 ORD COURT; alter garage.
Owner—L. Anderson, 253 States.
Plans by Owner. \$1000

DWELLING
(1601) NE CORNER CHENERY and Castro Sts.; two-story and basement frame dwelling.
Owner—A. R. Larsen, 4020 24th Ave.
Plans by Owner. \$4750

DWELLING
(1602) W SAN BENITO WAY 50 N Ocean Ave.; one-story and basement frame dwelling.
Owner—Castle Bldg. Co., 830 Market Street.
Plans by D. Jaekle, Call Bldg.
Contractor—A. J. Herzig. \$5000

DWELLING
(1603) E 15TH AVE. 166 S Santiago; one-story and basement frame dwelling.
Owner—A. J. Benson, 2324 15th Ave.
Plans by Owner. \$4500

ADDITION
(1604) 147 KINGSTON; addition to dwelling.
Owner—P. Baiz, 147 Kingston.
Plans by contractor.
Contractor—D. G. Huergardt, 120 Montart Ave. \$1200

DWELLING
(1605) W 26th AVE 225 N Moraga; 1-story and basement frame dwelling.

Owner—Mr. Iverson.
Plans by Fred Isachsen, 643 Joost. \$3500

DWELLING
(1606) N ADMIRAL AVE 55 E Alameda Blvd; two-story and basement frame dwelling.
Owner—J. Horn, 504 Market St.
Architect—Not Given. \$4000

DWELLING
(1607) N 26th 60 W ALABAMA; 2-story and basement frame dwelling.
Owner—W. Schmidt, 1395 Hampshire.
Plans by Owner.
Contractor—Schmidt Brothers, 1395 Hampshire. \$3000

PLATS
(1608) SW COR 29th and Collingwood; two-story and basement (2) flats.
Owner—U. and T. Merikanto, 4307 20th Avenue.
Plans by contractor.
Contractor—G. O. Bendon, 2266 29th Avenue. \$6000

DWELLING
(1609) NE COR GLOBE ALLEY and Los Palms Drive; one-story and basement frame dwelling.
Owner—Stoneson Bros. & Thorinson, 225 Yerba Buena Ave.
Plans by Owner. \$5000

DWELLING
(1610) N TERESITA 236 W Reposa; one-story and basement frame dwelling.
Owner—Meyer Bros., 727 Portola Dr.
Plans by Owner. \$4000

ALTERATIONS
(1611) 30 FLORA ST.; general alterations to dwelling.
Owner—G. Madonich, 257 Connecticut.
Architect—Not Given. \$1000

DWELLINGS
(1612) N JEFFERSON 181 W Divisadero; two 2-story and basement frame dwellings.
Owner—E. A. Janssen, 811 Hearst Building.
Plans by Owner. each \$8000

DWELLINGS
(1613) S SANTIAGO 90 W 19th Ave.; two 1-story and basement frame dwellings.
Owner—A. Halsen, 2428 25th Ave.
Plans by D. E. Jaekle, Call Bldg. \$4000 each

ALTERATIONS
(1614) 1900 FILLMORE ST.; alter interior of restaurant.
Owner—L. Bursatti, 1900 Fillmore St.
Architect—Not Given.
Contractor—G. Moriconi, 2290 Francisco St. \$1900

DWELLING
(1615) N BEACH 125 E Webster St.; one-story and basement frame dwelling.
Owner—E. A. Janssen, 811 Hearst Building.
Plans by Owner. \$3500

DWELLING
(1616) SE COR. BAYSHORE AND Burrows; two-story and basement frame dwelling.
Owner—M. Brueck 600 Bayshore.
Plans by Owner. \$3000

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - California

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Am't.
243	Regents	Thorpe	2731
245	Cohen	McFarland	17000
246	McFarland	Bendon	
247	Mullane	Byrne	2189
248	S F Co	J N J	

INCINERATOR

(244) PARNASSUS AND SECOND AVES. All work for installation of incinerator on S. F. Campus, University of California.

Owner—The Regents of the University of California, Berkeley.

Architect—Thos. Jones.

Contractor—J. T. Thorpe & Son, Inc., 417 Market St., San Francisco.

Filed Oct. 29, '31. Dated Oct. 28, '31. Ch'ar before 1st of each month 75% Usual 35 days 25%

TOTAL COST, \$2731

Bond, \$1400. Surety, U. S. Guarantee Co. Limit, 120 days. Forfeit, \$25. Plans and specifications filed.

STORE BLDG.

(245) NW CHESTNUT AND AVILA STs. 100-7 1/2 on Chestnut and 50 on Avila. All work for store building.

Owner—J. D. Cohen.

Architect—S. L. Hyman and A. Appleton, 68 Post St., San Francisco.

Filed Oct. 29, '31. Dated Oct. 29, '31. Foundations completed 20% Roofing completed 20% Plastering complete 20% Completed and accepted 20% Usual 35 days 20%

TOTAL COST, \$17,000

Bond, none. Limit, 45 days. Forfeit, none. Plans and specifications filed.

FLAT BLDG.

(246) SW TWENTIETH AND COLINGWOOD W 25xS 97-6 H A 191.

All work for two-story and basement frame (2) flats.

Owner—U. R. and F. Merikanto.

Architect—Not Given.

Contractor—Geo. Bendon, 2266 29th Ave., San Francisco.

Filed Oct. 30, '31. Dated Oct. 30, '31. Frame up and roof on 1700 Brown coat plaster on 1700 Building completed 1700 Usual 35 days 1700

TOTAL COST, \$6800

Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(247) 303 ELIZABETH ST.; alterations to 2-story frame building.

Owner—Elizabeth and Mary Mullane, premises.

Architect—J. Foley, 770 5th Ave. Contractor—Wm. Byrne, 26 Heyman Street.

Filed, Oct. 31, '31. Dated Nov. 2, '31. Work 50% completed and accepted by architect \$820.75 When work completed 820.75 Usual 35 days 548.00

TOTAL COST, \$2,189.50

Bond, \$1,096. Sureties, A. J. McDevitt and J. Johnson. Limit, 60 days. Plans and Spec. filed.

REBRICKING BOILERS

(248) MISSION BAY SHOPS; rebricking 100-hp. Babcock & Wilcox boilers in owner's boiler plant in Mission Bay Shops.

Owner—Southern Pacific Co. 65 Market St.

Architect—Not Given.

Contractor—J. A. Johnson as J. N. J. Firebrick Const. Co., 475 Stevenson Street.

Filed, Nov. 4, '31. Dated Oct. 24, '31. Payments and total cost omitted. Limit, 30 days.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

Oct. 28, 1931—W MISSION 100 S Cotter W 100xSE 25. C Spiro to M E Vukievich.....Oct. 28, 1931
Oct. 28, 1931—E CHESTER AVE 199 S Payson S 31xSE 137.25 Lot 16 Ptn Lots 15 and 17 Blk 5, Ocean View Park. David S Adams to whom it may concern.....Oct. 26, 1931
Oct. 28, 1931—E CHESTER AVE 168 S Payson S 31xSE 137.25 Ptn Lots 14 and 15 Blk 5, Ocean View Park. David S Adams to whom it may concern.....Oct. 26, 1931
Oct. 28, 1931—E BOYCE ST. N of Geary 76 and 73 Boyce St. Giovanni Noceti to R Fiolotti.....Oct. —, 1931
Oct. 28, 1931—BLK 1498 bded by Geary, Anza, 46th and 47th Aves Ptn Blk 1497 facing 240 on Geary St., 375 on 47th Ave and 375 on 48th Ave. Kiernan & O'Brien, Inc. to Robert A Farish.....Oct. 22, 1931
Oct. 28, 1931—S ULLOA 90 E 33rd Ave E 30xS 100 OL 1205 SE Ulloor and 33rd Ave S 25xSE 90 OL 1205. Henry and Hazel Stenoser to whom it may concern.....Oct. 24, 1931
Oct. 28, 1931—COR. NORTH POINT and Buchanan St. in Blk 459, bded by North Point, Bay, Laguna and Buchanan Sts. W. A. 249. Pacific Gas & Elec Co. to H H Larsen (co. partnership composed of I H Larsen & R V Larsen).....Oct. 19, 1931
Oct. 30, 1931—E TWENTY-SIXTH Ave 150 S Rivera 50x120. John E McCarthy to whom it may concern.....October 28, 1931
Oct. 30, 1931—LOTS 11 AND 12 BLK 1465. Edw J O'Neill Jr to Jas H McFarland.....Oct. 30, 1931
Oct. 30, 1931—E EIGHTH AVE 100 N Noriega N 100xSE 100 O L 867. R P Galli to whom it may concern.....October 30, 1931
Oct. 30, 1931—PARCEL OF GROUND adj. No. 1349 Clayton St. running S 125 ft. E Rolkin to F H Siegrist.....October 20, 1931
Oct. 29, 1931—LOT 1 BLK 6418 Map Crocker Amazon Tract Sub No. 2. H and M Peterson to whom it may concern.....October 21, 1931
Oct. 29, 1931—W SEVENTEENTH Ave 200 S Lawton S 25xW 120. Michael D and Mary A Hardiman to whom it may concern.....October 29, 1931
Oct. 29, 1931—W SEVENTEENTH Ave 225 S Lawton S 25xW 120. Michael D and Mary A Hardiman to whom it may concern.....Oct. 29, 1931
Oct. 29, 1931—E HAMPSHIRE 150 N 25th. Matt and Christina Svetich to Frank Amatore.....Oct. 28, 1931
Oct. 29, 1931—W THIRTY-THIRD Ave 225 S Kirkham E 50x W 120. Whitney Investment Co, Ltd to Marian Realty Co, Ltd.....Oct. 29, 1931
Oct. 29, 1931—SE THIRTY-THIRD Ave and Balboa 32-6 S Balboa by 100 on 33rd Ave. Harry Wissman to A H Stein and Philip Krig.....Oct. 29, 1931
Oct. 29, 1931—E CAROLINA 150 N 22nd 25x100. Wm S and Alice N Loskutoff to whom it may concern.....Oct. 28, 1931
Oct. 29, 1931—NE GIRARD 100 SE Wayland 25x120. Richard Dehuchl to whom it may concern.....October 29, 1931
Oct. 29, 1931—S STAPLES AVE 100 W Foerster 25x100. A R and A C Peterson to whom it may concern.....Oct. 29, 1931
Oct. 29, 1931—LOT 48 BLK 17, Map Sunnyside. G W Morris to whom it may concern.....Oct. 29, 1931
Oct. 28, 1931—S CAMPBELL AVE 258.36 E Rutland St. 467 Camp-

bell Ave.; S Campbell Ave 233.36 E Rutland St. 465 Campbell Ave.; S Campbell Ave 458 E Rutland St. 437 Campbell Ave. A M Samuelson and F Gonzales to whom it may concern.....Oct. 27, 1931
Nov. 3, 1931—E BRODERICK 137-6 N Bay 25 x 137. Luigi and Marie Timossi to Ridsdon Bros.....November 4, 1931

Nov. 3, 1931—E 18th AVE 290 North Ortega N 25 x E 120. E J Berg to whom it may concern.....November 3, 1931

Nov. 3, 1931—LOT 36 BLK 2988 map Sunnyside. S J Clafson to J and C T Podesta.....November 3, 1931
Nov. 2, 1931—SW THOMAS AVE 225 NW Jennings NW 25 x SW 100 ptn Blk 402, South E. L. E. to R. R. Assn. E H Reed and V Bjorkman to whom it may concern.....Nov. 2, 1931

Nov. 2, 1931—S MORAGA 82-6 W 21st Ave 25x100. Paul Duerner to whom it may concern.....Nov. 2, 1931

Nov. 2, 1931—E BAKER 75 N Lombard St. 25x87-6. S Steinauer to whom it may concern.....Nov. 2, 1931

Nov. 2, 1931—LOT 5 BLK 6449 Map Crocker Amazon Tract Sub. No. 2. M and R Holm to whom it may concern.....October 23, 1931

Oct. 31, 1931—E TWENTY-SIXTH Ave 250 N Santiago 25x36th Ave. Arthur D Dorr to whom it may concern.....Oct. 31, 1931

Oct. 31, 1931—N OTSEGO AVE AND Onondaga Ave NW 30xNE 75 Blk 25, West End Map No. 1. G and L Garibaldi to Joe Gusenti.....October 31, 1931

LIENS FILED

San Francisco County

Recorded Amount

Oct. 28, 1931—NO. 960 BUSH ST. Carl J Vinther vs N C O'Donnell.....\$50

Oct. 28, 1931—BDED ON E BY VAN Ness Ave. N by McAllister; W by Franklin and S by Fulton and Hayes Sts. Readymix Concrete Co, Ltd vs The Board of Trustees of The War Memorial of S. F.; The City and County of S. F. and Louis J Cohn.....\$36,250.66
Oct. 30, 1931—NW RETIRO WAY at pt dist E 255.247 from W Fillmore SW 25 N 55° 50' 14" W 92 N 10° 50' 15" W 35.25 SE 117 Ptn Marina Gardens. Holmes Lile & Cement Co vs John Dean; M Decker and P Frugoli.....\$172

Oct. 30, 1931—SE VIENNA 650 NE Peru Ave NE 25xSE 100 Ptn Blk 68, Excl Hd. Adolph Copnick vs Hy Schwarz and Albert Nickles.....\$81

Oct. 30, 1931—N BUSH 137-6 E Jones E 55xN 147-6. Tony Pinelli vs Glide Foundation or Board of Trustees of The Glide Foundation and New A O'Donnell.....\$4,825

NOTICE OF CREDIT ON LIEN

Oct. 30, 1931—NE BRODERICK & Golden Gate Ave E 30xN 120. California Terrazzo & Marble Co to Catherine E Lynn.....\$326

Oct. 29, 1931—SW BRUSSELS 150 NW Olmstead NW 25xSW 120 Ptn Blk 9, Paul Tract. Acme Lumber Co vs F Rosener, W K Rosener; J J Mullin; Mission Bldg & Loan Assn and K W Oertel.....\$183.86

Nov. 2, 1931—S NINETEENTH 150 W Guerrero W 25x125 J L Ash & Co vs Mrs M Pigiel and Chas Greenberg.....\$98.60

Oct. 31, 1931—E SIXTEENTH AVE 95 S Pacheco S 31xSE 127-6 O L 1027. Wm Pfister (as Industrial Ornamental Iron, Bronze & Wire Works) vs Emco Inv Co and A E Larry.....\$139

RELEASE OF LIENS

SAN FRANCISCO COUNTY
Recorded Amount
Nov. 2, 1931—NE GOLDEN GATE
Ave and Broderick N 120x16 30.
Brass & Bronze Lighting Co to
Catherine Lynn. \$229.70
Oct. 31, 1931—E THIRTY-SECOND
Ave 350 N Santiago N 25x16 120.
California Constr Co to O E J
Thoman. \$43.45
Oct. 20, 1931—E MISSISSIPPI 443
N 22nd N 25x16 100 P N 23. E G
Erickson and G F Wagner (as
Erickson & Wagner) to M and E
Meneghetti and W E Tuomisto
\$155.50

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Amt.
1535	Pfrang	Owner	5000
1536	Osborne	Reimers	6000
1537	Bredchoft	Owner	3000
1538	Wann	Owner	5100
1539	Chickering	Stockholm	4000
1540	Bischoff	Owner	4500
1541	Griffiths	Owner	4000
1542	Alameda	Leiter	1500
1543	Scammell	Owner	9800
1544	Hinch	Berg	2350
1545	Ladies	Muller	1200
1546	Enos	Moore	2000
1547	Barker	Butterfield	1000
1548	Ottino	Faramia	2700
1549	Couper	Walker	4000
1550	Traver	Owner	4000
1551	Christy	Meyer	1200
1552	Netherby	Owner	4000
1553	Grubb	Owner	2000
1554	Paramount	Electrical	5000
1555	Robinson	Owner	1850
1556	Steinitz	Haller	4500
1557	O'Brien	Zaballas	5500
1558	Granat	Electrical	1000
1559	Kelly	Carpenter	1000
1560	Troutwine	Owner	1000
1561	Monez	Owner	3000
1562	Trimlett	Owner	4000

DWELLING
(1535) E CARBERRY AVE 116 N
Alleen, St., OAKLAND. One and
one-half-story 6-room dwelling.
Owner—C. J. Pfrang, 6300 Claremont
Ave., Oakland.
Architect—Not Given. \$5000

DWELLING
(1536) NO. 1907 OAK VIEW DRIVE,
OAKLAND. Two-story six-room
dwelling.
Owner—B. J. Osborne.
Architect—R. F. Keefer, 770 Wesley
Ave., Oakland.
Contractor—L. E. Reimers, 745 Walla
Vista Ave., Oakland. \$6000

RESIDENCE
(1537) NO. 1341 ADA ST., BER-
KELEY. One-story 6-room 1-
family frame residence.
Owner—Bredchoft & Dull, 1323 Car-
lton St., Berkeley.
Architect—Not Given. \$3000

RESIDENCE
(1538) NO. 95 OAKMONT AVE.,
PIEDMONT. One-story five-room
frame residence and garage.
Owner—Warn Bros., 419 E. Merle Ct.,
Piedmont.
Architect—Not Given.
Contractor—Warn Bros. \$5100

ALTERATIONS
(1539) NO. 234 MOUNTAIN AVE.,
PIEDMONT. Alterations.
Owner—W. H. Chickering, Premises.
Architect—Not Given.
Contractor—Chas. Stockholm & Sons,
Russ Bldg., San Francisco. \$4000

DWELLING
(1540) NO. 536 AILEEN ST., OAK-

LAND. One-story 5-room dwell-
ing.
Owner—John A. Bischoff, 2717 Russell
St., Berkeley.
Architect—Not Given. \$4500

DWELLING
(1541) NO. 2017 106TH AVE., OAK-
LAND. One-story 6-room dwlg.
Owner—C. W. Griffiths, 1427 87th Ave.
Oakland.
Architect—Not Given. \$4000

ALTERATIONS
(1542) NO. 512 BROADWAY, OAK-
LAND. Alterations.
Owner—County of Alameda.
Architect—H. H. Meyers, Kohl Bldg.,
San Francisco.
Contractor—E. T. Leiter & Sons, 811
37th St., Oakland. \$1500

RESIDENCE
(1543) NO. 260 KING AVE., PIED-
MONT. Two-story 9-room stucco
residence and garage.
Owner—J. W. Scammell, 924 Scenic
Ave., Piedmont.
Architect—Not Given.
Contractor—J. W. Scammell. \$9800

RESIDENCE
(1544) NO. 506 CALIFORNIA ST.,
BERKELEY. One-story five-room
one-family frame residence.
Owner—E. M. Hinch, 393 Bellevue
Ave., Oakland.
Architect—Not Given.
Contractor—E. Berg, 629 56th St., Oak-
land. \$2950

ADDITION
(1545) NO. 373 FORTY-THIRD ST.,
OAKLAND. Tile addition.
Owner—Ladies Relief Society.
Architect—Not Given.
Contractor—F. A. Muller, 805 Syndi-
cate Bldg., Oakland. \$1200

REPAIRS
(1546) NO. 1537 JACKSON ST., OAK-
LAND. Fire repairs.
Owner—Dr. Enos, 1537 Jackson St.,
Oakland.
Architect—Not Given.
Contractor—John J. Moore, 354 Hobart
St., Oakland. \$2000

ALTERATIONS
(1547) NO. 2494 SHATTUCK AVE.,
BERKELEY. Alterations.
Owner—L. J. Barker, 2545 Dana St.,
Berkeley.
Architect—Not Given.
Contractor—F. P. Butterfield, 2008
Parker St., Berkeley. \$1000

RESIDENCE
(1548) NO. 1740 CURTIS ST., BER-
KELEY. One-story 5-room 1-
family frame residence.
Owner—A. Ottino, Francisco St., Ber-
keley.
Architect—Not Given.
Contractor—J. Faramia, 827 Madison
St., Albany. \$2700

RESIDENCE
(1549) NO. 706 HILLDALE AVE.,

BERKELEY. One-story five-room
one-family frame residence.
Owner—E. Couper, 418 Spruce St.,
Berkeley.
Architect—Not Given.
Contractor—J. M. Waller, 1709 Grove
St., Berkeley. \$4000

DWELLING
(1550) NO. 1825 VERSAILLES AVE.,
ALAMEDA. One-story five-room
frame and stucco dwelling.
Owner—C. L. Traver & Son, 2315
Santa Clara Ave., Alameda.
Architect—Not Given. \$4000

ADDITION
(1551) NO. 1100 BAY ST., ALAMEDA
Addition (playhouse, rustic, shingle
roof).
Owner—Mrs. C. S. Christy, 1100 Bay
St., Alameda.
Architect—Kont & Hass, Underwood
Bldg., San Francisco.
Contractor—A. Meyer, 2059 Clinton
Ave., Alameda. \$1200

DWELLING
(1552) 6166 BUENA VISTA AVENUE
OAKLAND; 2-story 5-room dwell-
ing.
Owner and builder—W. A. Netherby,
3853 Lyman Road, Oakland.
Architect—Not Given. \$4000

DWELLING
(1553) N 105th AVE 160 E Birch St.,
OAKLAND; 1-story 5-room dwell-
ing.
Owner and builder—Jas. B. Grubb,
10815 Breed Ave., Oakland.
Architect—Not Given. \$2000

SIGN
(1554) W BROADWAY 100 N 20th St.
OAKLAND; electric sign.
Owner—Paramount Theatre.
Architect—Not Given.
Contractor—Electrical Prod. Corp., 950
30th St., Oakland. \$5000

ADDITION
(1555) 4420 BRIDGEVIEW DRIVE,
OAKLAND; addition.
Owner—Bestor Robinson, 4420 Bridge-
view, Oakland.
Architect—Not Given. \$1850

DWELLING
(1556) NO. 505 HAAS AVE., SAN
LEANDRO. One-story six-room
dwelling.
Owner—J. J. O'Brien, 207 Oakes Blvd.,
San Leandro.
Plans by W. W. Dixon, Oakland.
Contractor—Henry Zaballas, 914 Sota
St., Hayward. \$5500

SIGN
(1557) NE COR. 19th and Broadway,
OAKLAND; electric sign.
Owner—Granat Brothers.
Architect—Not Given.
Contractor—Electrical Products Corp.,
950 30th St., Oakland. \$1000

ALTERATIONS
(1558) 6225 E 14th St, OAKLAND;
alterations.
Owner—Estella Kelly, 6205 E 14th St.,
Oakland.

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

Architect—Not Given.

Contractor—F. A. Carpenter, 783 59th St., Oakland. \$1000

ADDITION

(15589) 2346 E 14th ST., OAKLAND; addition.

Owner and Builder—F. W. Trautwine, 2285 34th Ave., Oakland. Architect—Not Given. \$1000

DWELLING

(15600) 6119 HARWOOD AVE., OAKLAND; one-story 6-room dwelling.

Owner—O. G. Steinitz, 2128 McKinley St., Berkeley.

Architect—Not Given.

Contractor—Paul H. Haller, 829 45th St., Oakland. \$4500

DWELLING

(15611) 4082 WATERHOUSE ROAD, OAKLAND; one-story five-room dwelling.

Owner and Builder—A. H. Monez, 1700 Leimert Blvd., Oakland.

Architect—Not Given. \$3000

DWELLING

(15622) 6310 CAMDEN STREET, OAKLAND; one-story 6-room dwelling.

Owner and Builder—Robert Trimlett, 4340 Fleming Ave., Oakland.

Architect—Not Given. \$4000

COMPLETION NOTICES

Alameda County

Recorded Accepted

Oct. 28, 1931—LOT 37 BLK E. Claremont Woodlands, Oakland. Evelyn Sharon to whom it may concern. October 26, 1931

Oct. 28, 1931—PTN LOTS 90 AND 89 Central Square, Oakland. C W Short to whom it may concern. October 28, 1931

Oct. 28, 1931—LOTS 23 AND 24, Durrant Manor, Oakland. James B. Grubb to whom it may concern. October 28, 1931

Oct. 28, 1931—LOTS 1, 2, 3, 4, 5 & 6, Coelho Tract, Eden Twp. Oakland Speedway Assn, Ltd to E H. Haukins, R H Hozler and J R Wilson. October 17, 1931

Oct. 28, 1931—LOT 41, Lakeshore Manor, Oakland. Harry Stevens to Irwin H Reimers. Oct. 27, 1931

Oct. 28, 1931—6633 TELEGRAPH Ave (rear), Oakland. W L Kightlinger to Laminated Panel Cabin Co. Oct. 1, 1931

Oct. 27, 1931—SEVENTH, EIGHTH, Delaware and Virginia Sts., Berkeley. City of Berkeley to B C McBride Jr. Oct. 26, 1931

Oct. 29, 1931—LOT 81 BLK 9, North Cragmont, Berkeley. J M Walker to J M Walker. Oct. 28, 1931

Oct. 29, 1931—BOUNDED BY EDITH St, Dullich Road, Jacobus Avenue, and Morpeth St., Oakland. Roman Catholic Archbishop of San Francisco to L J Kruse. Oct. 23, 1931

Oct. 30, 1931—3607 FOURTEENTH Ave., Oakland. W H Warren and W P Harwood to whom it may concern. Oct. 30, 1931

Oct. 30, 1931—5866 BUENA VISTA Ave., Oakland. Therese Chavez to E D Isakson. Oct. 29, 1931

Oct. 30, 1931—LOT 14, Holabird-Garber Tract, Oakland. Henry V and Ruth H Colby to Emil Person. October 30, 1931

Oct. 30, 1931—NO. 1780 ARCH ST., Berkeley. Henry J Haaf to Geo Windsor. Oct. 29, 1931

Oct. 30, 1931—LOT 84 BLK 2951/1, North Cragmont Tract, Berkeley. R E Noble to Joe Viala. Oct. 28, 1931

Oct. 30, 1931—NO. 2943 EIGHTY-eighth Ave., Oakland. Frank

Brophy Jr to whom it may concern

October 29, 1931
Oct. 29, 1931—INTER NW PEARL St. with SW Calhoun St., Alameda A McGregor to Noble F Justice. October 29, 1931

Oct. 30, 1931—PTN LOT 1 BLK 23, Warner Tract, Oakland. Robert and Mary Johnston to whom it may concern. Oct. 28, 1931

Oct. 30, 1931—LOT 16 BLK A, Map showing Subdiv of Ptn of Quigley Tract, Oakland. Ida Irene Jones to whom it may concern. Oct. 28, 1931

Oct. 29, 1931—LOT 363 BLK T, Fernside Tract, Alameda. Alfred Barelles to Walter H Anderson. October 27, 1931

Oct. 29, 1931—NE GILMAN AND Stannage Sts., Berkeley. St Ambrose Church to C E Eakin. October 28, 1931

Nov 3, 1931—LOT 11 BLK 7, Resub of portion of North Cragmont, Berkeley. Gust Jelm to whom it may concern. November 2, 1931

Nov 2, 1931—LOT 4 BLK C, J E McElrath Tract, Oakland. Giuseppe and Angelina Marchisio to M E Valente. October 28, 1931

Nov 2, 1931—3812-3814 CERRITO Ave., Oakland. C G and Thesta C Smith to whom it may concern. October 28, 1931

Nov 2, 1931—SE 47th ST and San Pablo Ave., Emeryville. Solomon Garfinkel and Geo W Bruno to whom it may concern. Oct. 28, 1931

Oct. 31, 1931—NO. 1248-1256 E-14TH St., San Leandro. Board of Trustees of San Leandro Lodge No. 231 I. O. O. F. to Ernest Anderson. October 28, 1931

Oct. 31, 1931—PTN LOT 5 BLK 22, Lakeshore Highlands Addition No. 1, Oakland. Daniel Read to A H Monez. Oct. 26, 1931

LIENS FILED

Alameda County

Recorded Amount

Nov 2, 1931—LOT 9 BLK 123, corrected map of the Raymond Tract, Berkeley. C L Hansen Lincoln doing business as United Market and Wrecking Market vs Jos M. Cagnano \$510.37

Nov 2, 1931—SW GRAND AVENUE and Bellevue Ave., Oakland. V N Smith vs United Oil Co of California, Central California Roads Co, J M Goodpastor \$191.49

Oct. 31, 1931—NW PEARL AND Clay Sts., Alameda. East Bay Sand & Gravel Co vs Noble F & Marlan B Justice \$21.17

Oct. 30, 1931—NO. 222 & 228 FOURTEENTH ST., Oakland. Liberty Elevator Maintenance Co vs Allard Crutcher and Paul Nordby \$337.75

Oct. 29, 1931—NO. 1336 SPRUCE St., Berkeley. Bay Cities Asbestos Co, Ltd vs H D Aten and C E Crane \$80.50

RELEASE OF LIENS

Alameda County

Recorded Amount

Nov 2, 1931—644 CRAGMONT Ave., Berkeley. Western Roofing Co vs Frank and Beulah Felt \$228

Nov 2, 1931—LOT 23 BLK 11, North Cragmont, Berkeley. C S Lane to F H Felt \$37.40

Oct. 31, 1931—644 CRAGMONT AVE being Lot 28 Blk 11, North Cragmont, Berkeley. Berkeley Building Materials Co. \$493.83; A Walburg. \$55.75; Atlas Heating & Ventilating Co, Ltd. \$150; The Rigney Tile Co. \$340; Haggis Sash & Door Co. \$260 to Frank H Felt

Oct. 31, 1931—644 CRAGMONT AVE being Lot 28 Blk 11, North Cragmont. Roberts Mfg Co. \$37.25; W L Saxby, \$19; David E Hastings, \$76 to Frank H and Beulah Felt.

BUILDING PERMITS

SAN MATEO

RESIDENCE, \$5000; E 20 ft. Lot 15 W 40 ft. Lot 14 Blk 7; 26th Ave.; San Mateo; owner and contractor, Castle Bldg. Co., El Camino and Allen Sts., San Mateo; plans by D. E. Jackie, Call Bldg., San Francisco.

BUILDING CONTRACTS

SAN MATEO COUNTY

RESIDENCE

LOT 35 BLK 17, Baywood. All work for two-story frame and stucco residence.

Owner—Harold Wolcooke, San Francisco.

Architect—Grimes & Schoening, Balovich Bldg., San Mateo.

Contractor—Floyd Van Gelder, 1716 Delaware St., Berkeley.

Filed Oct. 30, '31. Dated Oct. 19, '31. Frame up \$1765

Brown coated \$765

When completed \$2765

Usual 35 days. \$11,063

Bond, none. Limit, 90 working days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted

Oct. 27, 1931—LOT 54 BLK 23, White Oaks. Samuel Moncrieff et al to whom it may concern. Oct. 26, 1931

Oct. 27, 1931—LOT 129, Husing Sub San Mateo City Homestead. Dean Mitchell to whom it may concern. Oct. 24, 1931

Oct. 29, 1931—LOT 4 BLK 28, San Bruno. Jos L Binet to Jos L Binet. October 27, 1931

LIENS FILED

SAN MATEO COUNTY

Recorded Amount

Oct. 27, 1931—LOT 4 BLK 5, Baywood. Wisnom Hardware Co. \$188.63; Benetti Tile Co. \$447 vs H A Norton

Oct. 27, 1931—LOT 6 BLK 1, Elwood Redwood Gardens. Harry Haese vs William E Griffin (2 liens) \$83.45 and \$245 respectively

Oct. 27, 1931—LOTS 29 AND 30 BLK 8, Redwood Park. Charles D Wilson et al, \$131.10; James Wallace, \$41 vs G Jervis et al

Oct. 29, 1931—LOTS 2, 14, 15, 16, 17, 18 and Part Lots 1, 3, 19 and 20, Blk 24, San Carlos. A J Ruhlman, \$523.35; Pacific Nurseries, \$1198 vs Robert A. Klassen.

Oct. 29, 1931—LOT 4 BLK 5, Baywood. Union Flagstone Co. \$29.70; Harold Ohran, \$190; H E Casey Co. \$104.14 vs H A Norton.

Oct. 29, 1931—LOT 9 BLK A, Foy's Redwood Gardens. McElroy Cheim Lumber Co vs Mark Haseltine et al \$89.56

Oct. 30, 1931—LOTS 2, 14, 15, 16, 17, 18 and Part Lots 1, 3, 19 and 20, Blk 24, San Carlos. Levy Bros, \$672.70; Robert Mfg Co. \$438; San Mateo Feed & Fuel Co. \$379.11 vs Robert A. Klassen et al.

Oct. 30, 1931—LOT 4 BLK C, Toy's

Redwood Gardens, Gust Manuels vs Edward L. Newman.....\$264.52
Oct. 30, 1931—(1) LOT 16, (2) Lot 18, (3) Lot 17 Blk 24, San Mateo.
George T. Gearhardt vs Robert A. Klassen et al.....
.....(1) \$15.98, (2) \$18.16, (3) \$18.65

BUILDING PERMITS

SAN JOSE

RESIDENCE, frame, two-story 4 apts. \$10,000; Mission and Second Sts., San Jose; owner, Mahel Kaley, 715 S-Fifth St. San Jose; contractor, Geo. Kocher, 1030 Ashbury St., San Jose.

RESIDENCE, frame, 2-story 7-room, \$3750; Atlas St. near Santa Clara, San Jose; owner and contractor, Ira Brotzman, 5 Garfield Ave., San Jose.

RESIDENCE, frame, 4-room, \$1750; Fuller St. near Bird, San Jose; owner, E. De Rose, 200 Porter St., Soquel.

RESIDENCE, frame, 3-room, \$1090; No. 360 S. Eighth St. (rear), San Jose; owner, Mrs. A. Hilton, Prem. contractor, Homer Sampson, 104 S-23rd St., San Jose.

RESIDENCE, frame, 4-room, \$1875; San Antonio near 34th St., San Jose; owner, W. Scheler.

RESIDENCE, frame, 5-room, \$2750; Atlas St. near Santa Clara St., San Jose; owner and contractor, Ira Borizman, 5 Garfield Et., San Jose.

RESIDENCE, frame, 5-room, \$3500; Washington and Tenth Sts., San Jose; owner and contractor, H. E. Wilson, 40 S-Sixteenth St., San Jose.

SERVICE station, gasoline, type III, \$1500; 24th and William Sts., San Jose; owner, John Varina, 375 S-24th St., San Jose.

BUILDING CONTRACTS

SANTA CLARA COUNTY

RESIDENCE
E CHERRY AVE., bet. Minnesota Ave. and Willow St., Willow Glen. All work for two-story frame residence and 2-car garage.

Owner—Silver Martin Johnson, 471 Atlanta St., San Jose.
Architect—Charles S. McKenzie, 415

Twohy Bldg., San Jose.
Contractor—M. W. Reese, 1211 Minnesota St., San Jose.

Filed Nov. 2, '31. Dated Oct. 31, '31.
Frame up.....\$1708.75
1st coat plaster on.....1708.75
Residence completed.....1708.75
Usual 35 days.....1708.75

TOTAL COST, \$6835.00
Bond, \$3500. Sureties, E. H. Chase and A. C. Hansen. Limit, 90 days from Nov. 2, 1931. Forfeit, none. Plans and specifications filed.

BUILDING PERMITS

REDWOOD CITY

HEATING system for school, \$5300; No. 303 Grand St., Redwood City; owner, Mt. Carmel Parish; contractor, J. W. Forsythe, 621 E-Humboldt St., San Mateo.

DWELLING, frame, 5 rooms, bath and garage, \$2500; No. 449 Grand St., Redwood City; owner, Morris & Weiner, 1182 Market St., San Francisco; contractor, A. McArthur.

DWELLING, frame, 6-room, bath and garage, \$6500; No. 61 Avondale Ave., Redwood City; owner, Augusta N. Buben; contractor, C. S. Baker, 611 9th Ave., San Mateo.

BUILDING PERMITS

PALO ALTO

RESIDENCE, stucco, \$4800; No. 365 Dana St., Palo Alto; owner, C. R. Janssen, Hearst Bldg., San Francisco; plans by Donnell E. Jackie, Call Bldg., San Francisco; contractor, C. R. Janssen, Hearst Bldg., San Francisco.

RESIDENCE, stucco, \$6000; No. 2025 Tesso St., Palo Alto; owner, Ronald Jevils.

RESIDENCE, stucco, \$3000; No. 1410 California Et., Palo Alto; owner, Carl Maier, 57 Sweeney St., Palo Alto; contractor, H. C. Stewart, 335 State Highway, Menlo Park.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Oct. 29, 1931—LOTS 12 AND 13 and all that part Lot 11 desc as follows: N Sulet St. 150.50 ft. W Bird Ave W on Hulet 26.16 ft. to E line Lot 12. Hulet Subd N on E line 118.29 to Hulet Subd. Michael and Mary Celotto to M Perino

October 27, 1931
Oct. 30, 1931—LOT 49, Clara Vista Addition to Town of Palo Alto, being Lot No. 2 of Mercier Tract in Rancho Rinconada del Arroyo de San Francisco. R E Lawrence to H Bergey.....Oct. 29, 1931
Oct. 30, 1931—SW GUINDA ST. 50 SE Addition Ave SE 50x112-6 to pt of beg, being Pt Lots 52 to 56 Blk 88, City of Palo Alao. Mary E Pursell, by Rosabel Foss, her atty in fact to whom it may concern.....

October 29, 1931
Oct. 30, 1931—NE SANTA CLARA and First Sts., San Jose. Capital Co to Christian De Maria.....

October 25, 1931
Oct. 30, 1931—LOT 39 Map of Lincoln Manor being Subd of Part of Lots 10 and 11 of Subd of Hamilton Ranch situated in Narvaez Rancho. Alfred and Lucille Alves to whom it may concern.....

October 29, 1931
Oct. 30, 1931—SE VERMONT ST., from Morris St with SW line of Elm St.; thence SW and E and said SE line Vermont St. 45 ft. SE par with Elm St. 100 ft. thence NE par Vermont St. 45 ft. to Elm St. NW on Elm St. 100 ft. to pt of beg; Ptn Lot 11 Maj of McMurtry's Subd Blk 11, University Grounds. F. A. Turner to whom it may concern.....

October 29, 1931
Oct. 30, 1931—LOTS 67 AND 68 BLK 2, Vendome Park, San Jose. Perry Johnston to whom it may concern.....

October 29, 1931
Oct. 31, 1931—W WASHINGTON & S Poplar St., Santa Clara. Santa Clara School District of Santa Clara County to A E Roll.....

October 16, 1931
Octv. 27, 1931—LOT 10 BLK 73, Subd. No. 8, Seale Tract, Palo Alto Eugene L and Mildred L Grant to R C Knight.....

Sept. 4, 1931
Oct. 28, 1931—LOT 3 Tract No. 2, Rancho Del Palio in County of Santa Clara, part of S 1/2 of Sec Maps 26 T 7 S R 1 W 1/2 B M. 26 T 7 S R 1 W 1/2 D M. Walter W Sides, also signed by Kathryn A Sndesh to B J Smith.....

Oct. 24, 1931
Oct. 31, 1931—LICK OBSERVATORY University of California. The Regents of the University of Calif. to Cement Gun Constr Co (gunitite construction on walls of masonry building).....

Oct. 23, 1931
Nov. 2, 1931—PTN LOT 6 Map of

Chas. L. Barker's Subd situate on SW Seventeenth St., San Jose. David L. and Margaret Lee Stanton to Strain.....Nov. 2, 1931
Nov. 2, 1931—LOT 45, Map of Willow Glen Orchard Tract. M A and Essie J Leland to whom it may concern.....Oct. 31, 1931

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
Oct. 28, 1931—LOT 15 Map Los Altos Heights, Rancho La Purissima Concepcion. Scott Machinery Co vs Warren Burke and Estate of J T Burke.....\$567.19
Oct. 28, 1931—SEC 1 TWP 12 S R 3 East Sargent Oil Field. Standard Pipe & Supply Co vs Agnes Chase Sargent; Ida May Anderson and Ouida L Car.....\$3278.41
Oct. 28, 1931—W SEVENTEENTH St. 150 ft. NW San Carlos St. NW on 17th St. 50x127.96 to pt of beg, being Lot 8 Blk 58 Naglee Park Tract No. 2, San Jose. Williams & Russo vs R E Gleason.....\$151.31

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted
Oct. 30, 1931—GOLF LINK TRACT, near San Rafael. Florence McGinn to J Stangland.....Oct. 5, 1931

LIENS FILED

MARIN COUNTY

Recorded Amount
Oct. 29, 1931—LARKSPUR. Chester W Seeley, \$153; C W Levissee, \$533.25 vs H W Hoppe and Frank Kellogg.....
Oct. 30, 1931—LARKSPUR. Marin County Roofing Co vs Frank L Kellogg.....\$122

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded Amount
Oct. 31, 1931—CONCORD. Mt. Diablo Union High School District to C M Norrgrove (addition to high school gymnasium).....Aug. 17, 1931
Oct. 31, 1931—SE COLUSA AND Ocean View Aves. Coast Income Properties Ltd to W E Lyons.....
.....October 28, 1931
Oct. 31, 1931—LOT 37 AND N 1/4 Lot 36 Blk 16, Richmond City Center. R Roger Stone; Achille F Cavagnolo; Inez Cavagnolo; Eleanora Stone and George A and Olga Johnson to whom it may concern.....October 28, 1931
Nov. 2, 1931—LOTS 11 AND 12 BLK 20, Nicholl Macdonald Avenue Civic Center. Elmer J Freethy, agent for Gertrude Hodges to Elmer J Freethy.....Oct. 28, 1931
Nov. 2, 1931—LOT 12 BLK 51, Martinez Land Company Tract No. 7. Lewis L and William L Henderson to whom it may concern.....
Nov. 2, 1931—LOT 6 BLK 24, City of Pittsburg. Joseph W Russo to Giuseppe Lucido.....Oct. 29, 1931
Oct. 27, 1931—LOTS 8 AND 9 BLK 123, Am City of Richmond. Jas E Petersen to whom it may concern.....Oct. 26, 1931
Oct. 26, 1931—LOTS 25 AND 26 BLK 6, Richmond Traffic Center. D W Van Horn to whom it may concern.....October 22, 1931
Oct. 26, 1931—LOTS 32 AND 33 BLK 4, Richmond City Center. Albert

Warning to whom it may concern
October 24, 1931
Oct. 29, 1931—KENSINGTON PARK
Leonard L. Hehl to W G Foster
Sept. 1, 1931

LIENS FILED

CONTRA COSTA COUNTY

Recorded	Amount
Oct. 31, 1931—TRACT No. 4 of the Avon Refinery. A A McMahon vs T V Wesella and Associated Oil Co	\$125

COMPLETION NOTICES

SONOMA COUNTY

Recorded	Accepted
Oct. 29, 1931—LOS 6 BLK 4, JOSIAS Davis Addn, Santa Rosa. Frank Berger to whom it may concern	Oct. 21, 1931
Oct. 29, 1931—BLK 6 Subd 1, 50x100 ft., Forest Hills. Sonoma Co Ab- stract Bureau and D. J. to whom it may concern	Oct. 26, 1931
Oct. 24, 1931—LOT 14 BLK G, Del Dio Woods Tract. William M Reese to Athey & Young	Sept. 27, 1931

LIENS FILED

SONOMA COUNTY

Recorded	Amount
Oct. 29, 1931—NEAR HEADLS- burg Ranch Property, Harvey Taylor vs Judd Mfg Co; Frank P Grace Co et al	\$114.35
Oct. 30, 1931—R. E. in SEC. 24 T 8 N R 10 W 80 acres and other real estate. Headlburg Lumber Co vs Judd Mfg Co; H E Crawford and J E Tsarnas et al	\$263.71
Oct. 30, 1931—REAL ESTATE. Lo- cated near Headlburg Ranch Ppty Headlburg Lumber Co vs Judd Mfg Co; Frank P Grace Co et al	\$150.11

COMPLETION NOTICES

MONTEREY COUNTY

Recorded	Accepted
Oct. 29, 1931—LOT 2 BLK 2, Map of Monte Regio No. 1. Ednae Mc- Kinlay to Monterey Bldg & Supply Co.	Oct. 26, 1931
Oct. 29, 1931—LOT 26 BLK 244, Map of Pacific Grove Beach. M F Cordeiro to Elston & Rogers	Oct. 21, 1931
Oct. 30, 1931—LOTS 2, 3, 4, 5, 8, 10 and 12 Blk 5, Map of Lake Terrace Tract in Lot 4 Rancho Noche Buena. Flora Domenick to whom it may concern	Oct. 29, 1931
Oct. 30, 1931—LOT 14 BLK 24 Monte Resgio Tract No. 1. A P Heaney to Wm P Sweeney	Oct. 29, 1931
Oct. 30, 1931—LOT 6 BLK 163, Fitch Addition to Pacific Grove. Cynde D and Esther J Zumwalt to whom it may concern	Oct. 28, 1931
Oct. 27, 1931—S ½ OF HEINTZ BLK Map of Oak Grove. John and Ester Condorelli to Ralph D Horton	October 26, 1931

LIENS FILED

MONTEREY COUNTY

Recorded	Amount
Oct. 28, 1931—ALL LOT 19 and W 50.08 ft. Lot 21 and W 10 ft. Lot 20 Blk 12, Map of Pacific Grove Retreat. Central Supply Co vs George B and Gladys C Sanders and Jack Eckett	\$47.75
Oct. 23, 1931—PTN LOT 64, Map of Lockepaddon Addition to Salinas.	

W F Sechrest Lumber Co vs G A Seiber, Helen A Seiber; Irene and George Parker	\$103.54
Oct. 23, 1931—PTN LOT 64, Map of Lockepaddon Addition to Salinas. W F Sechrest Lumber Co vs G A and Helen A Seiber and Irene and George C Parker	\$103.54

RELEASE OF LIENS

MONTEREY COUNTY

Recorded	Amount
Oct. 26, 1931—NE COR DEL MONTE Ave. Tynnan Lumber Co to J E Eckett and Nicholas Mikel	\$118

BUILDING PERMITS

STOCKTON

REMODEL Katten and Marengo De-
partment store, \$20,000; No. 533
East Street, Stockton; owner, S.
F. Sanguinetti; contractor, Frank
P. Guyon, 1211 E-Main St., Stock-
ton.

LIENS FILED

SAN JOAQUIN COUNTY

Recorded	Amount
Nov. 3, 1931—LOT 2 BLK 2, Mikesell Addn, Stockton. Hayward Lum- ber & Investment Co vs Harry Decious and Sara Mikesell	\$424.68

BUILDING PERMITS

SACRAMENTO

RESIDENCE, 5-room and garage,
\$4000; No. 1909 Fifth Ave., Sacra-
mento; owner, Myrtle I. Yar-
brough.

RESIDENCE, 8-room & garage, \$8300
No. 460 35th St., Sacramento; own-
er, J. T. Ransdall, 1424 38th St.,
Sacramento.

GENERAL repairs, \$1880; No. 2460 Y
St., Sacramento; owner, Fearless
Cracker Co., Premises; contractor,
Fred Betz; 1017 43rd St., Sacra-
mento.

RESIDENCE, six-room and garage,
\$4500; No. 3809 Downey Drive,
Sacramento; owner, E. M. Brown,
2830 31st St., Sacramento; con-
tractor, Watson & Bennie.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded	Accepted
Oct. 29, 1931—LOT 448, Swanston Park, Sacramento. F C and Alice S Burden to whom it may concern	October 27, 1931
Oct. 23, 1931—LOT 256 W & K Col- lege Tract, Sacramento. H L Krueger to whom it may concern	Oct. 17, 1931

LIENS FILED

SACRAMENTO COUNTY

Recorded (Correction)	Amount
Oct. 29, 1931—LOT 134, Swanston Unit No. 1, Sacramento. The Dia- mond Match Co vs A L and Edith N Chargin and A S Hackett	\$400
Oct. 30, 1931—BEG AT PT ON N line 1 St. and dist S 70° 30' E 1283.90 ft. from E line of 31st St. and run th aln a line which is pari to said E line 31st St N 19° 37' E 106.5 ft. to pt loc S 19° 37' W 260.74 ft. from S line H St. th S 70° 19' E 46.14 ft. to W line Clotz Tract 1 th aln ssid last named line S 19° 37' W 106.5 ft. to N line	

I St. th aln N line I St. N 70° 19' W 46.14 ft. to place beg. Sacra- mento. Sacramento Builders Supply Co vs Mortgage & Guar- anty Co	\$133.20
Oct. 28, 1931—LOT 134, Swanston Unit No. 1. The Diamond Match Co vs A L and Edith N Chargin and A S Hackett	\$547.24

BUILDING PERMITS

FRESNO

WELLING, \$1500; No. 3728 Wash-
ington Ave., Fresno; owner and
contractor, A. Jorgensen, 3728
Washington St., Fresno.

COMPLETION NOTICES

FRESNO COUNTY

Recorded	Accepted
Oct. 30, 1931—LOTS 21 AND 22 BLK 7, Alhambra Terrace, Fresno. Taylor-Wheeler Inc to whom it may concern	Oct. 30, 1931
Oct. 28, 1931—LOT A, W 20 ft. Lot B Blk 7, Alta Vista Terrace, Fres- no. Elmer J Schmidt to whom it may concern	Oct. 27, 1931

The opinion is expressed at the of-
fices of the National Lumber Manu-
facturers' Association, that the lum-
ber industry had fared comparatively
well at the hands of the Interstate
Commerce Commission in the decision
handed down last week in the matter
of the application of the railways for
a 15 per cent increase in freight
rates.

It was pointed out that in its sug-
gested plan for increasing certain
freight rates, in lieu of the blanket
increase asked by the railways, the
Commission excepts only agricultural
products and logs, fuel wood, railroad
ties, wood excelsior and sawdust.

Lumber, shingles, and lath are
placed in the class to have the lowest
rate of increase per car in case the
railways accept the Commission's
suggestion. This rate is \$3 a car
which, on the basis of an average of
25,000 feet of lumber to the car, means
an increased freight rate of only 12
cents a thousand feet of lumber. This
is considered virtually a victory for
the industry which has consistently
maintained that it was entitled to
especially favorable treatment in the
matter of any increase in freight rates
permitted by the Interstate Commerce
Commission.

Moreover, in the group of commodi-
ties on which rates may be increased
more than those on lumber are such
competitors of lumber as rough and
finished stone and artificial stone, ce-
ment, brick, and other substitute
building materials.

The fact that lumber and lumber
products have fared so well is cited
as proof of the benefits derived from
a united front of the industry. While
the intrinsic merits of the position
that lumber should be accorded special
consideration are undeniable, it is
held to be certain that if the industry
had not been united in presenting the
Commission with irrefutable statistics
and other facts, the outcome might
have been far different.

"Hydraulic Tables and Other Data"
is the title of Bulletin 25, published by
the Baldwin-Southwark Corp., Phila-
delphia, Pa. This contains 32 pages
of tables and charts useful to the
engineer engaged in the design or use
of hydraulic equipment, particularly
those structures involving the use of
hydraulic pressures for load-producing
purposes.



BUILDING *and* ENGINEERING NEWS

Publication Office
547 Mission Street

SAN FRANCISCO, CALIF., NOVEMBER 14, 1931

Published Every Saturday
Thirty-fifth Year, No. 46

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Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

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ENGINEERS PROTEST FREE PLAN SERVICE

The American Institute of Consulting Engineers, at the October meeting of its council, accepted a report of its committee on professional practice and ethics protesting against the furnishing of engineering plans and specifications by manufacturers and distributors of equipment and materials. The report of the committee is, in part, as follows:

"The field of the professional engineer, engaged in private practice, is constantly being invaded by manufacturing concerns, both large and small, through the medium of offering to the prospective purchaser of their products of manufacture free consulting engineering service. It is clearly evident that such offering is made for the single purpose of selling their particular articles of manufacture, thus restricting the purchaser to products which may or may not be standard and of the best quality. It is equally evident that such practice not only is vicious, from the standpoint of the engineer engaged in private practice, but deprives the purchaser of the judgment of an impartial expert whose only interest is the interest of his client."

YUBA SUPERVISORS ADOPT WAGE SCALE

The Yuba County supervisors, following in the steps of the Marysville city council, has adopted a wage scale to apply on construction undertaken by those bodies.

Following is the scale adopted:

Bricklayers, \$12; hod carriers, \$8; carpenters, \$8; cement finishers, \$9; glaziers, \$9; electrical workers, \$8; hardwood floormen, \$8.

Housemovers, \$5; iron workers, bridge and structural, \$11; laborers, building and common, \$5; laborers, cement, \$7; lathers, \$10; millmen, sash and door, \$7; millwrights, \$9; painters, \$8.

Plasterers, \$11; plasterers hod carriers, \$8; plumbers, \$10; roofers, \$8; plumbers, \$10; roofers, \$8; sheet metal workers, \$10; steam fitters, \$10; teamsters, 1-ton, \$5; 2- to 3-tons, \$6; 3- to 5-tons, \$7; tile setters, \$10; tile setters' helpers, \$6.

The scale is for a five-day week, with work on all holidays and overtime to be paid at the rate of double time.

In an effort to acquaint architects with products manufactured in the district and allow them to specify such products for use in local building whenever price, quality and service are equal to articles made in other states, directories of jobbers, manufacturers and wholesalers in Alameda and Contra Costa counties have been mailed by the Oakland Chamber of Commerce to local architects.

ALL-AMERICAN CANAL WINS FEDERAL O. K.

Secretary Wilbur last Wednesday approved a contract between the water users in the Imperial and Coachella valleys of Southern California and the Federal Government for the construction of the all-American canal.

The contract must now be approved by vote in the irrigation districts of the two valleys. If it is acceptable, Secretary Wilbur will recommend to Congress appropriations under which the work will begin.

A total of \$34,000,000 will be spent and repaid by the water users in instalments over a period of 40 years.

The canal will divert water from the Colorado river 15 miles above Yuma and carry it into the Imperial and Coachella valleys through the largest irrigation canal ever dug.

The canal will serve approximately 1,000,000 acres. About 450,000 acres of this total already are under irrigation through the Imperial Valley Water System.

Curtailed Production Faces Lumber Industry

Commenting on the recommendation of the Lumber Survey Committee to the U. S. Timber Conservation Board that lumber stocks should be reduced 4.6 billion feet within one year, the following was authorized by the National Lumber Manufacturers' Association today:

"The committee points out the lumber industry is suffering from depletion of its assets because of the low prices and restricted demand for lumber and that the correction of that condition is dependent upon the establishment of a reasonable balance between lumber supply and demand. Lumber stocks have been curtailed 1.5 billions feet since the beginning of the year, but the committee finds that a further reduction of 4.6 billions feet is necessary in order to establish equilibrium. Hence it says:

"That deliberate restraint of production should be continued until the stocks of the industry shall have been reduced to a level reasonably commensurate with economy and stability in the marketing and distribution of lumber."

"Compliance with this recommendation, although painful, seems to be the only cure for the present situation of the industry. The demand for lumber will steadily rise in seasonal ebb and flow from now on. We have passed the low point in the economic cycle but the revival of the lumber industry is dependent upon restraint of production for some months to come."

FORECLOSURE METHOD IS DECLARED COSTLY

Time is the greatest factor in today's national real estate crisis. Time is needed to bring return of fair realty values and incomes on a great volume of real estate represented by \$18,000,000,000 in first mortgage bonds held by 600,000 investors throughout the United States.

Summarizing the mortgage situation "which has reached the proportions of a national problem engaging the attention of President Hoover," Courtney R. Gleason, property manager of the George M. Forman Realty Trust of Chicago, attacked foreclosures as "a quick, costly means for winding up the affairs of distressed property. They wipe out much of the savings of bondholders and destroy faith in the soundness of worthy real estate investments."

The Forman Trust is directing the affairs of 29 large apartment and hotel buildings in New York, Cleveland and Chicago. Bondholders in every state are cooperating with it in a method to avoid receiverships and foreclosures. Under the Forman Trust plan, long term management has been adopted to hold the properties for a return of values to a point "much nearer old-time levels," the statement asserts.

WOMAN PLUMBER IN BANKRUPTCY MINGLE

Mrs. Annie Silverstein, 40, former Redwood City plumbing shop operator, was remanded to jail last Wednesday until she can find \$8,915 she is alleged to have concealed when she went through bankruptcy in July.

Her hearing on contempt of court proceedings before Federal Judge Frank H. Kerrigan ended drastically when she asserted her inability to raise the money, but according to Judge Kerrigan, "failed to produce evidence of such inability."

Mrs. Silverstein was the owner of the Peninsula Plumbing & Supply Company when she went through bankruptcy and A. W. Higgins was appointed trustee of her estate. She was later indicted by the Federal Grand Jury for concealing assets and admitted to \$5,000 bail.

At a hearing before Referee in Bankruptcy Thomas J. Sheridan, she was directed to pay the \$8,915 to the trustee. When she ignored the demand, declaring she had no money, she was cited to appear before Judge Kerrigan.

Ralph Leavenworth has been appointed general advertising manager of the Westinghouse Electric & Manufacturing Company. He will have charge of all advertising and publicity activities of the company, the announcement reads, including the advertising division of the merchandising department, now centered in Mansfield, Ohio.

Forward America!

General Construction Policy Promulgated by The Associated General Contractors of America Governing Board, Meeting in Washington, D. C., October 1

The Associated General Contractors of America, convened at its annual fall meeting in the city of Washington, and following its established policy of appraising the problems of the day, not only from the standpoint of the construction industry itself, but also from that of its closely inter-related bearing upon the business and prosperity of the country as well, recognizes that the inseparable evils of general business depression and widespread unemployment continue to afflict the nation. We share their harmful effects with our fellow-Americans and we are willing to share unselfishly the task of overcoming them.

Since construction is second only to agriculture as the major industry in the United States and second to none as a barometer of general business, we as a national association of general contractors, representing the construction forces of the nation, realize the obligation for leadership inherent to our position and, in pursuance of that obligation, have conferred with national, state and local government officials, economists, financial institutions, real estate groups and other interested parties so that our leadership may be fully informed, constructive and practical.

We are convinced that definite and immediate action is imperative. Present conditions will not adjust themselves, they must be adjusted. We submit therefore, to the President and Congress of the United States, to the several state, county and municipal governments, and to the American people whose welfare is at stake, the eighteen specific recommendations contained herein. These recommendations are directed at the fundamental causes that have prevented the construction industry from leading the country out of the depression and we are convinced that their soundness cannot be successfully challenged. We as an industry cannot by ourselves consummate the program contained within them; it is for the country to put it into immediate effect by united and cooperative action, so that its key industry may properly function to bring back the opportunity of every man to work and the national prosperity which is rightfully ours.

UNEMPLOYMENT RELIEF

The need of immediate re-employment of idle labor, so that not only may the hardships of approaching winter be minimized, but that the wheels of industry may again begin to turn at their normal speed is universally recognized. The payment of war bonuses and the introduction of the dole system would accomplish neither of these purposes. Work must be provided and we believe that it should be directed to the creation of useful facilities needed throughout the country, be they hospitals, schools, churches, libraries, public buildings, highways or other arteries of transportation. Every dollar so spent will afford additional employment and will produce a dollar's worth of national wealth which otherwise might be only futilely wasted in a dole system or charity. We believe that the country can afford to double the amount of its normal construction volume for properly allocated construction projects and housing needs throughout the country, and we therefore

RECOMMEND the expenditure by local and Federal government of the maximum funds that can be immediately raised, in sums as large as possible, to undertake a constructive program for America.

COMMUNITY CONSTRUCTION

Graphs published by the Government and other reliable sources clearly indicate that material costs are extremely low, that the margins of profits have been reduced to an absolute minimum and that the time for community construction is now when its cost is from 20 to 30 per cent less than in normal times. The timeliness of a program for community construction is justified on the following five points:

1. Immediate availability of the personal services of competent planners, specializing in various fields of architecture and engineering.
2. Low current interest rate on municipal bonds and interim bank borrowing by municipalities or other political subdivisions.
3. Emergency need of minimizing unemployment whether technological, seasonal or cyclical. (In lieu of community charity or public doles, capitalize equivalent sums for the production of permanent community facilities.)
4. Low prices of construction units with consequent greater purchasing power of community dollars. This insures excellent values to the taxpayer through labor efficiency, low material costs and small margins for general expenses.
5. Community betterment by facilities to raise the general standards of living and the improvement of business through local circulation of funds expended for such facilities.

To facilitate such community construction without immediate burden upon the taxpayers in the present depression we

RECOMMEND that, in addition to the financing of public construction by general or special bond issues, bond issues be authorized for a revolving fund to buy special tax bills issued for specific improvements, the rotating funds to be used by the city to carry such tax bills as the taxpayer might not wish to meet for the next two years. Such a moratorium, we believe, would remove much of the present opposition of citizens to needed municipal improvements. We further

RECOMMEND, relative to private financing of community construction, such as churches, schools, hospitals and other semi-public institutions, that it would seem sound financing to borrow on such credit and collateral at the existing low construction prices and that, since a great amount of such capital is raised by popular subscription in relatively small sums over a series of years, it is eminently proper that private institutional work should proceed at once. An opportunity to work is far better than charity. We, therefore, urge that every citizen and political subdivision undertake their individual plan of construction and improvements now.

CONSTRUCTION FINANCE

We believe that the financial institutions of the United States, both banking and fiduciary, should be a "bull" on America. The banks of America have set an excellent example

to other American business institutions in obtaining quality structures to house their own business. If it is sound business for banks to invest in fine edifices in which to conduct their affairs, it would seem logical that they should help other businesses to do likewise, not in any extravagant sense, but so that efficient buildings, and modernization of slums can be constructed. In regard to the modernization of slums, the City Housing Corporation of New York and the New York State Housing Commission already have demonstrated the social benefits and financial feasibility of replacing the old "cold water" tenement that can be rented at prices that are unprofitable in existing slums. Improvements generally are an asset to the community of which the bank itself is an integral part, and any community that is not willing to go forward with a constructive program would seemingly demonstrate lack of faith in its own destiny.

We believe that the financial system of the nation, however, has singularly failed in the present emergency to regulate the flow of credit so that capital for sound and needed enterprises might properly be maintained. We believe that America is fundamentally sound and we, therefore

RECOMMEND that, if necessary, the retirement of public obligations be deferred and that the Federal Reserve Board should examine every possible method of stabilizing financial conditions, guaranteeing the solvency of the nation's financial institutions and releasing hoarded capital into its rightful channels of business, industry and commerce. If the Federal Reserve System as now constituted requires additional legislative powers to further this action, we recommend that such power be granted by Congress.

PRISON LABOR

We do not believe it would be necessary for a man to go to jail to get a job. We do not believe it is justice to make free labor compete in the open market against convict labor. We do not believe that prisoners should produce for the open market and we believe that what they produce for their own consumption should be in the proportion which the number of prisoners bears to the total population of the community.

From the viewpoint of the taxpayer, prison labor is inefficient, extravagant and humiliating. We have for years led the movement against such programs.

We commend therefore the position taken by the United States Chamber of Commerce at its annual meeting last May in which it opposes the Government engaging in any and all forms of enterprise in competition with its citizens and we support its program of a continuous and aggressive effort to have the Government withdraw from existing competition, and, as soon as necessary adjustments can be made, of opposing the Government entering into further competition in any field. We

RECOMMEND legislation—Federal, state and local—against competition of free labor with prison labor. A quarter of a million men today are without employment due to this one activity alone. We believe also that Government should not undertake to do whatever its citizens can do without Government.

CONSTRUCTION INVESTMENT

The present timidity among investors in construction projects might well have been anticipated as a result of the financial exploitation of sections of the country during the past five years.

Today the deflation of unsound speculative projects not only results in default but is so generally discouraging

(Continued on Page 9)

THE OBSERVER

What He Hears and Sees on His Rounds

Constitutionally of the emergency permanent improvement act of 1929 is upheld by Attorney General Webb in an opinion to State Controller Ray L. Riley. Riley suggested to Webb the act may be unconstitutional in that it contained more than one item of appropriation. However, Webb held the act makes but one appropriation for a specific purpose.

The Sacramento Chapter of the American Society of Civil Engineers, conforming to a program instituted by the national society, will undertake a survey of unemployment conditions as affecting engineers residing in that territory.

The purposes of the survey are listed by the local section as follows:

The registration of engineers in the district who are unemployed or who shortly will become unemployed, or who are in need of relief.

An analysis of projects which are proposed or which might be promoted for the relief of unemployment, not only among engineers, but other persons engaged in work of an engineering nature.

The presentation of such projects by the committee on relief to those in charge of the local unemployment activities in all locations within the district.

Co-operation with other agencies at work on the same general problem, in order that there may be concentration rather than dispersion of effort. The registration of unemployed engineers will close November 25.

The committee in charge of the work is composed of Charles L. Rakestraw, federal engineers' office; E. E. Welch, city engineer's office; and C. S. Pope, construction engineer of the division of highways, who is chairman.

Exports of Pacific Coast lumber to Shanghai during the first nine months of this year have been almost double those for the period last year, the Department of Commerce announces. Lumber shipped from the Pacific Coast to Shanghai this year is estimated at 212,000,000 feet, against 116,000,000 in the period last year. The increase is attributed to increased building activity and larger sales of railroad ties.

A campaign toward adoption of a Federal law guaranteeing wages to laborers who work for contractors performing Government work has been inaugurated by the California Labor Commission. Letters have been sent to Senators Hiram W. Johnson and Samuel M. Shortridge, representatives in Congress and others of influence, urging such legislation. Under the present law workmen whose employers default in public work contracts are obliged to wait one year before bringing suit in the Federal courts to satisfy their wage claims.

Holger Struckmann, president of International Cement Corporation, New York, said on his return from a business trip to Europe that the cement industry is giving indications of having turned the corner toward definite improvement, and with sentiment generally better the industry faces a much improved outlook for 1932.

The prevailing-wage law of Illinois having been declared unconstitutional by the state supreme court the department of public works and buildings is now arranging to let contracts for a large amount of work on highways, bridges and buildings, says Engineering News-Record.

A less favorable result of the court decision is that the Sanitary District of Chicago is reported as deciding to make no more payments on contracts let under the prevailing-wage law until an investigation has been made as to their validity. If these contracts are found to be invalid, bids may be advertised for the completion of the work involved. These contracts are said to represent a total of about \$5,000,000.

A labor clause now inserted in proposals for bids on road work by the Illinois division of highways since the court decision reads as follows: "So far as is practicable, contractors will be required to employ Illinois labor residing in the vicinity of the work. Contractors should figure on a fair scale of wages in preparing bids on this work."

That it frequently costs the home-builder \$1,099 to borrow \$4,500—or, in other words, the wage-earner pays \$5,099 for a \$5,000 home—is pointed out by William Green, President of the American Federation of Labor, who is working with the committees planning the President's National Housing Conference in December, in an endeavor to bring about better financing methods for individual homes, encourage a nation-wide building program, and relieve unemployment.

"To buy even a \$5,000 home involves many complicated problems," Mr. Green says. "First you must have at least \$500 in cash. Then you may secure a first mortgage of \$3,000 at 6 per cent, but to raise the final \$1,500 you will have to take out a second mortgage, which with discounts will cost you at least 18 per cent, and if you happen on a sharp real estate dealer, it may cost you 30 per cent. To pay off these mortgages will take at least ten years. For the first three years payments will be \$69.50 a month, then \$30.30 for the next seven years, exceedingly difficult for the wage-earner. When you have finished payments, you will find that the high discount it has cost you \$1,099 to borrow \$4,500. In other words, you have paid \$5,099 for your \$5,000 home. In the meantime you will also have taxes to pay. If you build your own home you have in addition fees for title search, and all the difficulties of choosing materials and design, about which you probably know practically nothing. Add to this the fact that once you own your own home you would probably find it difficult to sell without serious loss if you had to move. Is it any wonder that wage-earners buy cars instead?"

James I. Herz, deputy state director of the Department of Public Works, will be named as a member of the State Veterans' Welfare Board next year to succeed Mervyn A. Hope of San Mateo when the latter's term expires, Governor Rolph has announced.

HERE—THERE EVERYWHERE

An old adage, "In union there is strength," is about to be exemplified in the Joint Roofing and Sheet Metal annual convention to be held at Louisville, Ky., the week of January 25, 1932. Due to the fact that three associations are uniting in the holding of their annual meetings at the same time and place, a more than ordinarily ambitious program was planned. When three associations of sub-contractors meet together they present a very different appeal to the general contractors and the architects than a single association could do, and so it was that when an invitation was presented to the Associated General Contractors and to the American Institute of Architects to send representatives to the joint convention of the sheet metal, slate and composition roofers, the invitation was cordially received. It is now announced that T. T. Flagler, past president of the Associated General Contractors of America, and Robert D. Kohn, president of the American Institute of Architects, will be present at the joint convention and will deliver addresses.

The Province of Quebec will receive from the dominion government \$4,650,000 as its share of the money appropriated for the relief of unemployment by the construction of public works and \$700,000 for direct relief. The dominion government will bear half the expense of the public works to be constructed, the province contributing 25 per cent and the municipalities concerned 25 per cent. The plans for the proposed undertakings must be approved by the dominion authorities.

Donald M. Baker of Los Angeles has been appointed consulting engineer on the Eaton canyon dam, plans for which will be made by the Los Angeles county flood control department under the direction of Chief Engineer E. C. Eaton. Mr. Baker was for seven years in charge of field work for the state division of water rights and was first president of the state board for registration of civil engineers. Eaton dam will be an earth fill structure and will impound 1200 acre feet of water. The appropriation is \$530,000.

John F. O'Sullivan, Fresno attorney, has resigned as Fresno director of the state division of immigration and housing to take a position in the claims department of the Associated Indemnity Insurance Company of San Francisco. He has been in charge of that Fresno office since April, 1930. Although no successor has been named, it has been rumored that the post will be filled by Arthur Allyn, Fresno attorney. The position carries a salary of \$2300 per year, and is a part time post.

Messe & Briggs, general contractors, announces the removal of their offices from Burlingame to 1341 White Oak Way, Redwood City. They continue to maintain a branch in the La Giraldo Bldg. at Carmel.

Samuel Adams Clark, 56, architect, died in New York City last Sunday. Mr. Clark was a direct descendant of Samuel Adams. One of his best known architectural works was the clubhouse at the Saratoga race track.

WEYERHAUSER TO ADJUST OPERATIONS

F. R. Titecomb, general manager of the Weyerhaeuser Timber Company, at Tacoma, Wash., discussing that company's future policy, said:

"We are trying to adjust our manufacturing operations to market conditions in the industry, and to conform generally, with other lumber producers, to the recommendations of the special lumber committee appointed by the President.

"We expect to reduce our output materially.

"The accumulation of surplus stocks of lumber is a menace to the industry, and imposes burdens of investment and carrying charges which cannot be justified under present conditions.

"We are endeavoring to distribute our payrolls as equitably as possible, in the communities where our plants are located."

OAKLAND BUILDING PERMITS IN OCTOBER

A. S. Holmes, city building inspector of Oakland, reports the issuance of 316 permits during the month of October for improvements estimated to cost \$910,586.

The following is a segregated report of the October activities:

Class. of Bldgs.	No.	P'mts	Cost
1-story dwelling	25	5	\$79,350
1½-story dwellings	3	1	13,000
2-story dwellings	10	1	70,800
2-story apartments	1	1	7,500
1-story stores	6	1	6,125
1-story warehouse	1	1	2,800
1-story tile grease rack	1	1	1,000
1-story tile garages	2	2	2,000
1-story tile laundry	1	1	3,600
1-story concrete garage	1	1	325
2-story conc. postoffice	1	1	545,200
2-st'y br. & conc. stores	1	1	26,000
Brick and conc. addition	1	1	1,000
1-story steel auto lift	1	1	1,000
1-story steel com. sta.	2	1	1,250
1-story steel ser. sta.	3	1	3,990
Billboards	13	1	1,525
Electric signs	48	22	22,169
Roof signs	3	1	1,475
1-story garages & sheds	64	10	10,067
Additions	51	57	57,898
Alters. and repairs	77	52	52,512
TOTAL	316		\$910,586

PACIFIC COAST BUILDING IN OCTOBER TOTALS \$10,896,803

The following figures are based on reports compiled by building department executives in the cities named—(valuation figures for the month of October, 1930, are published for comparison):

CALIFORNIA

City	No.	October, 1931	Cost	October 1930
Alameda	88		\$ 26,650	\$ 63,255
Albany	21		79,137	52,875
Alhambra	34		62,500	128,475
Anaheim			20,402	44,602
Bakersfield	43		19,737	68,660
Berkeley	108		72,259	104,081
Burbank	23		50,600	51,180
Burlingame	11		22,600	31,615
Carmel	14		15,255	7,625
Chula Vista	8		1,490	2,675
Colton	8		1,900	3,100
Coronado	16		40,595	10,895
Emeryville	3		525	3,700
Eureka	31		19,618	20,672
Fresno	211		69,488	143,762
Glendale	87		206,950	211,860
Hayward	9		10,975	6,989
Huntington Park	22		35,620	99,610
Inglewood	44		64,286	61,190
Long Beach	379		386,245	1,964,630
Los Angeles	2311		3,459,905	5,309,181
Lynwood	11		7,500	55,550
Monrovia	10		1,202	29,330
Montebello	10		32,640	11,580
Monterey	29		36,090	69,840
National City	26		4,981	25,157
Oakland	316		910,586	495,817
Oceanside	11		22,530	9,745
Ontario	15		7,940	217,810
Orange	15		10,675	8,300
Pacific Grove	16		23,690	16,235
Palo Alto	50		105,510	58,655
Palos Verdes Estates			9,100	20,100
Pasadena	387		297,006	177,244
Petaluma	11		8,710	25,195
Piedmont	7		19,773	78,595
Pomona	58		212,665	128,545
Redwood City	26		71,608	47,670
Riverside	75		61,267	124,505
Sacramento	159		157,794	186,776
Salinas	30		45,160	70,593
San Bernardino	41		31,030	109,812
San Diego	530		276,620	436,145
San Francisco	583		1,357,340	2,292,210
San Gabriel	12		29,850	40,050
San Jose	94		282,390	60,330
San Marino	12		97,947	286,237
San Mateo	24		148,690	122,230
San Rafael	11		18,725	17,900
Santa Ana	57		56,696	140,264
Santa Barbara	76		60,284	381,641
Santa Cruz	31		15,427	23,430
Santa Monica	49		68,147	215,625
Santa Rosa	23		18,344	84,759
South Gate	42		33,640	157,005
South Pasadena			11,638	17,045
Stockton	70		120,475	70,195
Torrance	9		4,850	16,850
Ventura	10		29,015	253,831
Watsonville	15		19,080	16,525
Willow Glen	12		42,750	50,900
Total	6214		\$9,481,102	\$15,040,359

ARIZONA

Phoenix	44	\$ 46,730	\$ 69,950
Tucson	90	74,204	137,989
Total	134	\$ 120,934	\$ 207,939

IDAHO

Boise	88	\$ 67,388	\$ 108,541
Lewiston	13	4,650	15,740
Nampa	32	3,450	17,990
Total	133	\$ 75,488	\$ 142,271

NEVADA

Reno	53	\$ 72,850	\$ 89,585
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OREGON

Albany	5	\$ 5,875	\$ 169
Astoria	23	5,716	3,955
Corvallis	6	550	14,500
Eugene	57	19,932	60,555
Marshfield	3	330	2,790
Portland	445	276,320	604,810
Salem	56	21,780	77,559
Total	595	\$ 330,504	\$ 763,838

TUOLUMNE COUNTY ADOPT WAGE SCALE

A minimum wage scale, adopted by the county supervisors of Tuolumne county, to apply on projects undertaken by that body follows:

Shovel operator, \$6; blade man, \$5; powder man, \$5; jackhammer man, \$5; oiler, shovel helper, \$4.50; truck driver, \$4.50; caterpillar driver, \$4.50; carpenter, form, \$4.50; carpenter, finish, \$6; electrician, \$6.50; plumber, tinsmith, \$6.50; painter, \$5; plasterer, \$8; bricklayer, \$8; hodcarrier, \$6; sloper, \$3.50; blacksmith, \$5; tool sharpener, machine, \$5.50; stone mason, \$8; machinist, \$8; mechanic, \$4.75; laborer, \$3.50; camp cook, \$30 per month; camp baker, \$30 per month; flunky, \$55 per month; dishwasher, \$55 per month and bull cook, \$50.

The annual meeting of the Millwork Institute of California will be held at the Oakland Hotel, Oakland, November 20. Most of the millmen will witness the California-Stanford football game at Palo Alto the following day.

UTAH

Logan	2	\$ 1,000	\$ 39,700
Ogden	11	17,100	28,600
Salt Lake City	76	162,375	146,757
Total	88	170,475	263,057

WASHINGTON

Aberdeen	17	\$ 1,885	\$ 7,295
Bellingham	25	23,245	75,324
Everett	39	17,565	23,485
Seattle	481	343,200	1,533,344
Spokane	144	74,795	800,000
Tacoma	103	103,875	205,675
Vancouver	21	6,080	7,630
Walla Walla	23	4,670	23,873
Wenatchee	19	68,355	24,400
Yakima	43	61,680	42,910
Total	915	\$ 695,450	\$ 2,713,928
Grand Total	8132	\$10,896,803	\$19,259,979

ENGINEERS MOVE TO EXPEDITE PUBLIC WORKS CONSTRUCTION

Through the American Engineering Council, the engineering profession has framed a public works program characterized "as a necessary and important approach to answering the present pressing question: What work can and be provided the millions not employed?"

This program, made public at a meeting of the Administrative Board of the Council in Washington, October 30-31, includes all construction of whatever character undertaken by national, state, county and municipal governments and their several subdivisions as well as that of quasi-governmental bodies. It will be carried out in two divisions by state committees of the Council which are now actively at work in all sections of the country.

One division embraces The Emergency Plan, and the other, The Future Plan. Owing to existing conditions, it is proposed to concentrate major effort on The Emergency Plan. "The American people have been greatly disappointed because public developments have not served the useful purpose they anticipated in relieving unemployment," the Council's announcement declared. "They have been disappointed notwithstanding expenditures for public works by all governmental agencies have been approximately 30 per cent higher in 1931 than in 1930 and the total amount appropriated according to the best information available was \$350,455,000.

"Despite this increased expenditure it is commonly believed there have been unnecessary and inordinate delays, and much more work should have been opened. Much of the delay has been due to the public, selfish interests, and political considerations.

"It is believed that work on public projects for which appropriations have been made can be materially speeded up. It is further believed that a careful analysis made throughout the country would bring to light a sufficient amount of necessary work when financed to provide employment during the next six months or more for a very large number of the unemployed. It is further believed that this necessary work can be financed without great difficulty.

"The engineering profession is now organized and ready, through state engineering committees, local engineering societies and in cooperation with many other groups, including the President's Unemployment Organization, to proceed aggressively.

"The profession proposes to do the following in cooperation with the Gifford Committee, governmental agencies, and others:

"List all governmental projects authorized and for which appropriations

have been made or may be made in the near future.

"Determine the status of each project.

"If the project is being delayed, ascertain the cause or causes thereof.

"If an avoidable delay is due to some governmental agency, present the facts to the governmental official having the authority to remove the cause of the delay, and press immediate action.

"If an unavoidable delay is due to the public or some part thereof, endeavor to reach the responsible party or parties and get action.

"If either case obtains and action is not taken in due time, through publicity acquaint the public with the facts so that public opinion will force action."

The foregoing procedure, through the process of checking and rechecking, is to be continued through the emergency, according to the announcement. An immediate countrywide canvass will also be made with the following aims:

"To determine what needed work can be done this winter, such as road and street repairs and construction, removal of traffic hazards, cleaning, repairing and remodeling public and semi-public buildings and grounds and numerous like things, including such larger undertakings as grade-crossings where they may be expeditiously initiated.

"To bring about preparations by engineers and other competent men of plans, specifications, and estimates for each such job.

"To provide necessary means for releasing the work, in cooperation with local officials, relief organizations and prominent citizens."

It is impossible at this time for any one to estimate the severity or duration of unemployment for the next six months, declared the announcement, continuing:

"While it may possibly be taken care of by the voluntary contributions to be secured under the auspices of the Gifford Committee, it will be the highest wisdom to provide employment by the means outlined which will exceed the resources of private subscription. In such case the use of the credit facilities of the national government for the support of local operations will be inevitable.

"It would be unwise to forecast the amount of public financing required, or to predict the manner in which it should be accomplished. These decisions must wait upon the actual state of affairs when action becomes necessary.

"We may, however, say with some confidence, that the attraction of idle funds seeking safe investment into the

purchase of labor and concomitant materials should have a directly beneficial effect on the volume of business, and thus furnish a positive impulse to improvement, additional to the remedial features of the program.

"Likewise the fact is not to be forgotten that if adequate provision is not soon made for the necessary employment, the emotional tension of the situation may result in illconsidered measures which sober reason and experience will be powerless to prevent. There are in the situation possible dangers to the whole course of our economic and political future, and we are compelled to act in this matter with the utmost expedition."

In outlining The Future Plan of the Council, the announcement summarized the questions troubling the American people as security of employment, means of wholesomely utilizing leisure time, leveling the business curve, and public developments.

"The objectives of The Future Plan have a bearing upon all these concepts," it was said. "Furthermore, this plan is so interwoven with The Emergency Plan that both should be initiated and prosecuted simultaneously, although a longer time may be required to complete The Future Plan. Objectives of The Future Plan include:

"To provide more attractive and adequate facilities for the public needs of the American people.

"To provide more help for the recreative needs of the American people.

"To determine to what degree expenditures for public developments may be made to serve as an aid in leveling off the business curve.

"To determine if public developments can be made a more potent force in relieving unemployment on a business basis during periods of business depressions, and therefore lessen the loss of morale produced by extending charity.

"To determine in what directions governmental agencies should be reorganized, and existing laws and practices amended, in order that governmental agencies may carry out public developments more effectively and efficiently.

"To endeavor to determine conclusively the place and influence of public developments in the national economy.

"To determine the necessary steps to place public developments upon a more effective and efficient basis.

"To examine into and draw sound conclusions as to the best method of financing public developments.

"In the light of such findings, aggressively pursue a campaign of education through the public press and otherwise until the necessary reorganization of governmental agencies, and the amendment of laws and regulations are accomplished so as to assure realization of the objectives.

"The course of procedure necessary to accomplish the foregoing objectives would be divided into four phases, Federal, state, county and municipal."

October building permits received from 25 leading Pacific Coast cities show an improvement of \$894,448 or 9.4 per cent over September, indicating a general improvement in business throughout the entire Coast.

These 25 cities were the leaders out of 70 reporting. Building permits totaled \$9,315,664 for October as compared with but \$8,421,217 in September of this year for the leading 25 cities, while October of 1930 permits totaled \$15,724,743.

The tabulation shows Oakland as having made the greatest gain of any Pacific Coast city. October permits totaled \$910,586 which was \$460,218 greater than the previous month and \$415,269 above the like month of 1930.

Haverfield City Council has passed two new city ordinances, No. 370 and 371, which supersede No. 346 and 348, respectively.

The new ordinances are interlocking agreements between contractors of the city and the city building inspector's office.

They provide for several changes. Class A contractors retain their former standings, requiring examination to qualify for Class A rating and also the filing of a \$5000 bond. Their yearly license remains at \$100, payable in advance.

Class B contractors remain those that contract for jobs of \$10,000 or more, but the \$2500 bond requirement is eliminated. Their yearly license remains at \$5, payable in advance.

Status of contractors formerly in Class C changes considerably under the new ordinances. Formerly, those that contracted for a job from \$1 to \$10,000 were Class C contractors, but now only those that contract for a job from \$500 to \$10,000 are included in Class C. A \$2500 bond formerly required of Class C contractors was eliminated also. In addition, the \$25 yearly bond, payable in advance, was cut to \$20, payable \$5 the quarter in advance. In other words, if a Class C contractor only works three months of a year, the fee is but \$5 instead of \$25 for the entire year.

The council, upon request of the contractors, formed a new classification, that of Class D. Class D becomes the lower grade taken from Class C. Contractors who contract for jobs from \$26 to \$500 are in Class D, and they will be required to take out only a permit and pay a license of only \$1. This will aid those who do many small jobs and cannot afford to have a bond or pay a large license.

Class A, B, and C contractors will be required to pay the state license. The state license requires that persons contracting for a job of \$200 or more must pay the \$10 license yearly. Thus those in Class D, who do a job between \$200 and \$500, are required to have a state license, but those who contract for jobs between \$26 and \$200 are not required to have the state license. Anyone doing a job calling for expenditure of less than \$26 is not required to inform the city of such intent.

Another great change in the ordinance is that under the new council action there is no difference between a contractor who does public or private contract jobs. 4

The council passed the ordinances following weeks of bickering between opposing contractor factions. Finally the council asked City Manager W. D. Clarke to offer his recommendation. He drew them and they were accepted in whole by the council.

"Idle dollars are as serious a burden upon the nation as are idle men" states George S. Walker, president of the California Mutual Building and Loan Association, whose organization is preparing to engage in an extensive confidence building campaign shortly.

The hoarding of wealth, not only eliminates it from useful channels, such as the financing of commercial enterprises and in the building of new homes, but also eradicates its earning potentialities.

"A dollar in a safety deposit box," Walker declared, "earns no interest, while a dollar in a savings bank, a building and loan association, or other recognized safe mediums of public deposit is an income producer just the same as man or woman.

"The idle dollars, therefore, have

minimized public earning power and as long as these remain away from the legitimate channels, the income of the nation will proportionately diminish."

"A hopeful sign was indicated last week," Walker asserted, "in the \$24,000,000 drop in currency circulation, which is the first sign of returning confidence and the release of hoarded money to proper channels."

"The directors of California Mutual Building and Loan Association feel," Walker added, "that the noticeable increase in commodity prices, during the past 10 days, has added hundreds of millions of dollars of potential wealth to the country and will release huge amounts of frozen assets and increase the buying power of the farmers, which will prove the necessary stimulus for a return of prosperity."

"We believe that this is the proper time for those with surplus money to place these funds with the banks, building and loan associations, or other institutions, in order that the forthcoming period of prosperity may have a plentiful supply of available capital and that the march of forward progress will not be hindered through increasing interest rates."

The note of confidence, stressed by Walker is based upon a study of conditions through the San Francisco bay district.

The administration and financial relationship of states and counties are being studied by a committee of the American Road Builders' Association. Results of the investigation will be presented at the 29th annual Convention and Road Show in Detroit, January 11-15, 1932.

State, county and township highways now existing in this country total approximately 3,000,000 miles. Of this total 2,600,000 miles are under the jurisdiction of counties and smaller political units.

Most of these highways administrative units operate independently and the resulting highway development is not co-ordinated, the ultimate construction of a connecting system is disregarded, and public funds, consequently, are wasted.

It is evident that the greater portion of local mileage would benefit by centralized planning. Local administrative bodies would benefit by centralized advisory service somewhat similar to that existing between the United States Bureau of Public Roads and state highway departments. Counties would not lose their identity, but county highway funds would be expended on the improvement of mileage necessary for the ultimate completion of a highway transportation system.

Co-ordination of state and county highway improvement exists in several states in varying degrees. The committee will report on methods of administering and financing local highways now existing in the various states. The purpose is to recommend an administrative and financial structure that will result in the distribution of funds on a transportation system unhampered by political boundaries.

Rotation or staggering of employment of government construction jobs as a relief measure has been discarded by Comptroller General McCarl. The proposal was made to President Hoover's relief organization by its unemployed sub-committee, headed by Harry A. Wheeler, Chicago banker. McCarl ruled there was no power for enforcing it.

ENGINEERING SOCIETIES EMPLOYMENT SERVICE

Further information regarding positions listed in this column is obtainable from Newton D. Cook, Room 715, 87 Post Street, San Francisco. (Phone Sutter 1684).

R-3691-S SALESMAN, experienced specialty man, preferably with some knowledge of floor finishes, to sell an improved product to building managers and others concerned with floor maintenance. Must know San Francisco and have car. Commission and small drawing account. Location, San Francisco.

W-3009-S-S (K-377) ENGINEER with laboratory experience in formulating industrial finishes, baking japans and enamels of the bakelite and phthalic anhydride base enamels. Apply only by letter. Location, Midwestern.

W-3238 GRADUATE ENGINEER, experienced in design and layout of plants for manufacture of electrically welded steel pipes and tubes. Apply only by letter. Location, Russia.

W-3240 MECHANICAL AND SANITARY ENGINEER, who has had definite experience in connection with the design of building equipment of the commercial and other types. Salary, \$3000 a year. Apply only by letter. Location, Southeast.

R-3685-S ENGINEER, 28-35 years old, college graduate, with experience in mechanical or civil engineering field where he has had to carry responsibility and make decisions. Must have good personality for public contacts. Salary about \$200 month to start. Good opportunity for advancement. Apply by letter. Location, San Francisco.

R-3688-E DRAFTSMAN, experienced on detailing reinforcing steel bars for shop. Must be fast, accurate and able to work from plans without supervision. Salary depends upon experience. Temporary. Location, San Francisco.

R-3690-S CIVIL ENGINEER, experienced on highway construction and design, for government work. Must have U. S. Civil Service rating as Road Engineer or equivalent. Salary, \$3200 a year. Location, South.

MUNY LIGHT PLANT AT SEATTLE PAYS

Seattle's municipal light and power department shows a profit of \$409,350 for the first three-quarters of this year, according to audited figures of H. W. Carroll, city comptroller. The water department, for the same period, shows a profit of \$462,350 and the street railway, also municipally owned, a deficit of \$268,052.

The city's net balance from the three utilities is \$603,678, compared with a surplus of \$1,046,403 for the first nine months of 1930.

The light department's gross of \$3,996,904 was within \$71,808 of the gross for the first nine months of last year. While industrial load declined, domestic consumption increased under the stimulus of low rates.

Richard T. Crane, Jr., Chicago manufacturer and president of Crane Co., plumbing goods manufacturers, died in New York City last Saturday evening, the fifty-eighth anniversary of his birth.

Forward America!

(Continued from Page 4)

as to depress the market value of all real estate bonds far below their true economic worth. Many construction mortgage bonds are being forced into the market at prices which represent splendid investment values.

In the face of these conditions it seems imperative for the construction industry to safeguard good investments by reappraising. Unstability of values now acts as a barrier against the flow of new or additional funds into soundly conceived and financed new construction.

The position of responsible general contractors on the question of wild cat speculative building and its financing has long been a matter of record. In the 1924 report of the Committee on Improvement Securities of the Associated General Contractors of America it was pointed out:

"It would seem self-evident that every bond issue should have ample security and yet, only too frequently, through carelessness, ignorance or improper and inexperienced supervision, sufficient security has not been provided.

"Bond houses that will make loans as high as one hundred per cent or even more of the value of the property, in order to make extravagant commissions, jeopardize not only their own reputations, but are a menace to legitimate real estate loans. In slump periods which may follow years of high building costs, they tempt the nominal owner of the property who has no longer any real equity in it, to abandon it whenever the income falls below fixed charges.

"Real estate bonds, therefore, should be purchased only after thorough investigation of the experience record of the issuing house.

"We urge cooperation with the various State regulatory bodies acting under so-called Blue Sky Laws and insist upon the skill, integrity and responsibility of the underwriters and promoters financing realty projects."

The result of ignoring these and subsequent warnings, together with the failure of efforts looking toward self-regulation of speculative building financing, has brought about present circumstances. We

RECOMMEND to investors in construction securities, civic leaders, financial agencies, and all elements of the construction industry the importance of taking immediate action looking toward the appointment of duly authorized boards to direct the work of determining the sound worth of existing construction securities, placing the management of construction projects on a sound basis and of stabilizing the market prices of such existing securities to the end that their sound values may be made as liquid as possible.

Our opposition to loose or unsound financing methods is hereby reiterated and we call upon all responsible financial agencies to aid in rebuilding public confidence through open and above board declarations of the basic financial factors affecting each of the projects that are underwritten; and not only join in clearing the decks of unsound and improperly financed projects but in calling attention to the basically sound opportunities for profitable and conservative investment in the construction industry.

TAXATION

We are sympathetic with other taxpayers in demanding a minimized cost of Government operations and elimination of waste in Government. We desire, however, to remind taxpayers that a comparison of tax rates is not

necessarily the whole story. People are demanding of their Government so many more services and facilities that the comparison should be made of facilities when evaluating sums paid in the form of taxes. The increased demand for filtered water, sewage disposal plants, traffic signs, parking space, airports, public comfort stations, better harbors, libraries, community schools, are all facilities which the taxpayers have demanded and for which they should be willing to pay for value received. We recognize the injustice of diversion of taxes levied for special purposes. This applies with special emphasis to gasoline and license taxes on automobiles. These taxes can be justified only for the improvement of highways for the vehicles on which this tax is levied. Diversion for other purposes cannot be defended and is generally a breach of faith to the taxpayers who have willingly paid the taxes in the belief that they were to be used solely for highway purposes. The total gasoline tax amounted to \$455,000,000 in 1930. We

RECOMMEND that every community make a thorough analysis of the value received for taxes paid. If people desire more facilities they should be willing to pay for them, but they should pare to the bone any needless expenses for Government.

FEDERAL AID

We recognize that great impetus in bringing the farm closer to the city has been given by federal aid on highways. We

RECOMMEND that similar federal aid be continued to counties and states in their highway programs. We believe also that federal aid should be applied to provide schools, hospitals and eleemosynary institutions, in order to hasten the provisions of such needed facilities.

STATE ISSUES OF BUILDING BONDS

Bonds have been issued by individuals, cities and counties for necessary buildings. We

RECOMMEND immediate consideration also by the various states for the issuance of bonds for public buildings, the same as for public highways.

EXPANSION RESERVES

If it is good accounting practice to set up depreciation reserves, as insisted upon by the Bureau of Internal Revenue, to take care of the amortization of expenditures made in the past, we believe it equally good business to look to the future and provide accordingly. Recognizing that all forward movements are apt to require new legislative enabling acts, we suggest an immediate survey to permit the establishment of expansion reserves for public utilities by the Interstate Commerce Commission and the various state public utility commissions. We

RECOMMEND that public utilities study the problem of setting up financial reserves to take care of expansion of their facilities based on growth of population needs. We do not favor Government ownership of public utilities either at Muscle Shoals or elsewhere. On the other hand, we do not subscribe to the present practice of certain utilities performing their own construction work without compensation as long as rates are based upon actual cost. We do not believe this good policy for the public utilities if they would preserve the good will of the consumer.

ADDITIONAL BANKING FACILITIES

We concur with the real estate groups in urging the need for central mortgage banks clearing through some national reserve system similar with the Federal Reserve Banking Institution now available for national banks. We also call attention to the possibility of home loan banks similar to institutions for that purpose now op-

erating in Europe. If farm loan banks are proper financial institutions to finance land and buildings outside of urban communities, then citizens of the cities desiring homes should have similar facilities. We commend the present administration for its Conference on Home Building and Home Ownership and have been participating in this to further the best interest of providing housing facilities for the nation at a reasonable cost. We believe that cooperation with building loan associations is advisable and

RECOMMEND that certified construction should be employed to insure quality construction upon which loans of 75% of the certified actual cost on a 15 year basis at 6% interest might be made.

COMPETITION

We believe that unlimited competition is uneconomical. It is an economic waste that must be minimized. Competition may be the life of trade, but the death of traders. Gradations of volume, capital and source are necessary. The prequalification of bidders in order to insure full performance for the taxpayer's dollar is absolutely essential. Business rivalry is not an inherent right, but should be the result of well earned privilege. Duelling by rivals is no longer tolerated. Combat by knights has passed into history. We

RECOMMEND the licensing of contractors and establishment of credit bureaus as essential to determined responsibility.

CONCLUSION

In conclusion, we recommend that, if necessary to the carrying out of this program immediately, a special session of the Congress of the United States and the various state legislatures be called at once to put it into effect. We Americans can and will pull ourselves out of our depression today as we have done in the past. The Associated General Contractors of America presents this program for that purpose and urges cooperation by all agencies and every industry in a long pull, a strong pull and a united pull to speed the nation's climb upward. Forward America!

Recent practical developments in the design and construction of brick pavements are being studied by a committee of the American Road Builders' Association. Results of the investigation will be presented at the 29th annual Convention and Road Show in Detroit on January 11-15, 1932. The committee work is in charge of H. G. Sours, county engineer, Summit County, Akron, Ohio, as chairman.

Brick pavement is one of the oldest types of surfacing and has a long and creditable service record.

The bricks have survived the ravages of the elements, accelerated tests under traffic, and the ever-changing ideas of specification writers.

The art of brick making and the usage of brick for pavement surfaces are well developed, and a report illustrating how the most successful brick pavements are laid and maintained is being prepared. It will include information on usual sizes and types of brick; the most satisfactory fillers; the most successful bedding courses; what constitutes a satisfactory base course; the use of brick for resurfacing; and new types of base and curb which are still in experimental stages of development.

Parker-Zemco Electrical Manufacturing Co. has filed articles of incorporation in Oakland. Directors are: J. M. Zarwell of Alameda; Charles F. Parker and Bert A. Roecker Oakland.

ALLIANCE OF ART AND INDUSTRY URGED BY NEW YORK ARCHITECT

An alliance of art and industry will accomplish widespread diffusion of the wealth created by science and engineering, Ernst Jonson, New York architect and engineer, says in a symposium of the Engineering Foundation on "Benefits from Engineering Progress."

An adequate material basis for economic security has been established by machine industry, according to Mr. Jonson, who points out that the next step is to translate machine profits into spiritual values.

"From its beginning machine industry has fallen every few years into a state of paralysis," says Mr. Jonson, formerly chief inspector of the Board of Water Supply of the Catskill Aqueduct work, discussing "Dispensation as Stabilizer of Industry." "It has been thus afflicted because it has focused its invention upon production, and its consort, trade, has not sufficiently attended to the distribution of its product."

"It was thought that could we but learn to produce, distribution would follow as by law of nature. Events have repudiated this assumption, are repudiating it with ever growing emphasis."

"When man began to use those elaborate tools which we call machines the acquisitive sense of life worked well enough so far as it promoted production of goods. But a new problem arose, to get the product of industry distributed among the people. It was the enormously increased volume of product that created this problem of distribution. The acquisitive sense, instead of facilitating distribution, hampers it."

"No sooner does man's struggle for existence reach a state of equilibrium than he begins to do things for the doing of which there is no apparent external need. He feels that there are pent up in him powers to which he must give outlet. Thus arises the sense of life as expression, dissipation. Man begins to meditate, explain, speculate, and to express himself in myth and in ornament, in music and dance, in line, and in color; he becomes philosopher and artist. Man has become a civilized animal."

"No sooner has the idea of the machine attracted man's attention than it begins to affect and modify the acquisitive sense. Machine production means mass production, production for the masses. Men begin to renounce their personal wealth so that it may yield wealth for the masses. They call it investing, and they imagine that nothing has been renounced, that the machine belongs to them, and that the whole profit of it will be theirs. The facts reveal a radically different situation."

"As machines multiply it is the people and not the owners that consume the bulk of the product. The owning class becomes more numerous and it gains a few new comforts, but on the whole is little better off than before the advent of the machine. The new prosperity belongs to the masses almost wholly."

"The root of it all there is this new urge to renounce, disguised as desire for acquisition, but not really such. Truly enough, investment yields profits and securities to the investor, but only on the condition that the masses get the larger part of the proceeds."

"Machine industry has solved the

problem of production. It now is able to produce at least twice as much as ever has been consumed. Trade has not solved the problem of distribution. This is a more difficult problem for it requires a more radical modification of the urge to acquisition, a modification so radical that it amounts to a reversal."

"It requires that the sphere of the undue dissipation be enlarged till it all but obliterates the acquisitive sense. Engineers have created machine industry. They must now collaborate with business-men and artists to perfect the distribution-dissipation of machine industry's products."

"Each class derives its entire income from industry, conceiving industry as the sum of all productive activity. Thus the wages disbursed by industry constitute the bulk of the income of the wage-earning class. The money which this class pays to industry for the goods which industry makes for them is the very same money which industry had paid to them as wages."

"Hence, whenever the sum of wages paid by industry to the working class falls below the sum which industry demands from them as payment for the goods which it makes for them, all these goods cannot be sold. Distribution will suffer a check. There will result over-production, unemployment and hard times."

"During the last decades there has been a marked growth of private fortunes. This growth has been accompanied with an equally marked increase in popular prosperity. This means that the private fortune is a by-product of popular prosperity. In other words, there is money in making things for the people."

"For this reason industry is ever seeking to produce more goods for the wage-earners. For a while all goes well because wages are increased sufficiently to enable the wage-earners to buy the increasing product, or because some of the product is sold on credit, on the installment plan."

"Then the acquisitive sense begins to assert itself. Moneys which should have been used to increase wages are diverted into dividends, bonuses, large fees, high salaries, graft. The purchasing power of the wage-earners fails to meet the expectations of industry. Its goods cannot be distributed. It is overwhelmed by a depression. It was an unconscious sublimation of the acquisitive sense that established machine industry. It was a direct assertion of this same sense that threw industry out of gear."

"Completing the structure of our industrial economic order therefore involves the task of so stimulating and developing the sense of life as dissipation that it will balance the acquisitive impulse and render it innocuous. This can be done by promoting the appreciation of spiritual values and thus diverting men's interests and endeavors from the acquisition of material things into cultural channels."

"First of all men must be convinced that through machine industry an adequate material basis for economic security has been established, and that therefore a less strenuous life is quite safe. This is the prime benefit from engineering progress, for it promotes cultural and spiritual progress."

"Then it must be made clear that life has an objective, and that such objective cannot lie in acquiring the means of livelihood; but must lie in the realization of spiritual values. It must be made clear that the final values of life cannot lie in its utilities, but that if there be such values they must be looked for in the beauties which life might yield. It must be understood that the useful is valuable for some end, and not in itself; that beauty alone is valuable in itself."

"One of the most practicable, if not the most practicable route to this goal is art. But art can become the means to the ascendancy of spiritual values only if it be released from the sway of commercialism and elevated to the rank of a major social interest, and if it be effectually promoted as such."

"For this end industry must ally itself with art in all its actual expressions; and art offers boundless possibilities for beneficial distribution of the wealth created by engineering progress."

More than 45,000 hours have been devoted exclusively to the study of home financing during the past year, according to Philip Lieber, Shreveport, Louisiana, president of the American Savings, Building and Loan Institute. This attention outside of office hours upon the business of promoting systematic saving to provide funds for home borrowers and upon the most effective ways to administer these funds is equivalent to more than five years concentrated effort, he points out.

The large total of hours represents the time spent by students enrolled in the night classes of the Institute last year. All students are actual workers for building and loan associations during their business hours.

In the local building and loan educational unit, approximately 1,104 hours were devoted to home financing studies last year, according to Wm. E. Bouton, president of the San Francisco Chapter.

Holders of the three year diploma from the Institute, those who have covered the basic practices in the modern and efficient operation of building and loan associations, totaled 58 at the end of the school year last June. Lieber added, pointing out that 7,830 hours of concentrated home financing study are represented by this specialized group. This represents 135 hours of class room work each. They include many of the leaders in the national program of the nine billion dollar business, directors, officials, and executive committee men of the United States League of the Institute.

Lieber compiled his statistics from attendance records and certificates conferred. Upon these statistics the Institute will base a campaign to extend its educational facilities before February, 1932, to twice the number of last year's students.

The Ontario department of highways is calling for bids for the construction of a highway from Madoc to Perth, 70 miles, as an unemployment relief measure on which it is proposed to employ about 1500 men, the cost to be borne jointly by the Dominion and provincial governments. The section through which the road will pass is almost virgin territory sparsely populated and thickly wooded. The cost of the road, together with that of another road from Belleville to Actinolite, will be about \$1,000,000. The Madoc-Perth road will reduce the distance from Toronto to Ottawa by about 45 miles.

GREATER SAFETY FOR MOTORISTS INCORPORATED IN ROAD PAVEMENTS

With a view to contributing its part toward making the highways of the nation absolutely safe for high-speed motoring and free wheeling, The Asphalt Institute, New York, in a new manual just issued after several years of research co-operation with the United States Bureau of Public Roads and various state road-building departments, describes in detail methods of constructing two modern low-cost types of skidproof "road-mix" surfaces for county roads, which will revolutionize the construction of highways carrying a traffic volume up to two thousand vehicles per day.

The outstanding features of these "road-mix" types are first, that the gravel or stone, and the asphalt are mixed on the roadway, thus utilizing all the available material and eliminating long hauls; second, that the mixture thus obtained is spread and compacted while cold, thus obviating the costly heating materials, and third, that the granular or fragmentary gravel or stone aggregates, after compaction, form a surface of somewhat open texture, thus affording a good grip by automobile tires at all times. These types of pavement are slightly resilient and the wear on tires has been found to be negligible.

Gravel roads are treated under the designation of "the graded aggregate type," the construction methods for which are fully described in the new manual, while old macadam roads are improved and new surfaces are provided as described in the manual under the title of "the macadam aggregate type." Excessive crowns are every

where eliminated and all curves are banked.

"Skidding," said J. E. Pennybacker, managing director of The Asphalt Institute, "has long constituted a certain measure of risk on all types of highways, from wet clay and dry gravel, through each of the more modern types, to smooth concrete and sheet asphalt pavements, but, by these new construction methods, skidding is entirely eliminated, since the slightly granular surface produced by the coarser mineral material has been demonstrated to be safe even under the most severe conditions of moisture and less than all drippings or films of mud, which, in the latter case, are often encountered at intersections with unpaved roads. We are now building safety into the roads at every point where it is humanly possible to do so and, in so far as this contribution from the asphalt industry is concerned, I am sure it will aid greatly the cause of safety on the highways, for skidding accidents, at least, will be prevented."

The improved types, according to Mr. Pennybacker, have been tried out with satisfaction by the state highway departments of Massachusetts, West Virginia, Indiana, Kentucky, Arizona, California, Colorado, Montana, New Mexico, Oregon, Virginia, Wyoming and Wisconsin. Vermont is trying them out this season. Costs for either type, in different localities, according to the proximity of aggregate materials and the labor costs, etc., range from \$2500 to \$6000 per mile while maintenance averages only about \$300 per mile per year thereafter.

tendant upon the public trial of a dispute.

"It is interesting to note, so consistent is the use of arbitration clauses in building contracts, that lawsuits rarely arise thereunder. While no record is available of the number of disputes settled by arbitration, the fact that approximately 100,000 copies of the Standard Documents of the Standard Documents are distributed annually indicates that arbitration is widely used.

"Since 1925, when the last revision of the Standard Documents was made, there have been many important changes in the status of commercial arbitration. New laws have been enacted, rules of procedure have become more comprehensive, arbitration practices have been standardized and perfected, and a national system of arbitration has been developed.

"In thirteen states an arbitration clause in a contract is now legally valid, irrevocable, and enforceable; in 1925 this was true of only four states, and one of them, Oregon, was later removed from the list by an amendment, but has been added again this year.

"As the list now stands, the following states have modern, comprehensive arbitration laws under which a written agreement to arbitrate a future dispute, as well as a submission to arbitration of an existing dispute, can be enforced and judgment may be entered on the award rendered: Arizona, California, Connecticut, Louisiana, Massachusetts, New Hampshire, New Jersey, New York, Ohio, Oregon, Pennsylvania, Rhode Island, and Wisconsin.

"The Federal Arbitration Act which became effective in 1926, makes the same provision for contracts covering interstate commerce and maritime transactions. The enactment of nearly all of these laws has been due largely to the activity of the American Arbitration Association, a national non-profit making organization devoted to the sound development of arbitration, with headquarters at 521 5th Avenue, New York City.

"Several hundred national trade organizations, including the American Institute of Architects, have co-operated with the Association in obtaining the passage of its comprehensive State Arbitration Act in these states.

"In nearly all of the remaining states there is some form of arbitration law relating to the submission to arbitration of an existing dispute only. When two parties, therefore, agree in writing, in conformity with the technical requirements of the local law having jurisdiction, to submit an existing controversy to arbitration, neither party under most of these laws may revoke the agreement and must proceed with the arbitration to final award, and, if necessary, to the entry of judgment thereon."

Reports of new orders for fabricated structural steel for the week ending October 17, 1931, were received from 102 establishments, whose capacity represented 54.8 per cent of the total capacity of all plants in the United States. The bookings reported by these establishments amounted to 3766 tons, representing 17.3 per cent of the total capacity of reporting establishments. Reports of shipments of fabricated structural steel for the same week were received from 99 establishments, whose capacity represented 52.6 per cent of the total capacity of all plants in the United States. The shipments reported by these establishments amounted to 16,901 tons, representing 34.8 per cent of the total capacity of the reporting establishments.

STANDARD ARBITRATION PRACTICE IS CITED BY N. Y. ARCHITECT

Thirteen states now have modern arbitration laws, according to T. E. Snook of New York, chairman of the Committee on Contracts of the American Institute of Architects. Describing the development of a national system of arbitration, Mr. Snook points out that these laws would be of little value without arbitration machinery to make them effective.

"The American Institute of Architects," he explains, "maintains no tribunal and no facilities for arbitrating disputes. The arbitration provisions contained in the General Conditions of the Standard Documents of the Institute are legally enforceable in thirteen states, and establish the contractual understanding on the method of settling disputes that may arise thereunder and of selecting arbitrators.

"But the procedure to be followed in order to safeguard the arbitration proceedings under the prevailing statutory requirements is left largely to the parties themselves and to the arbitrators.

"Incidentally, the widespread development of arbitration in recent years has made some of these provisions, such as the choosing of an arbitrator under certain conditions by the presiding officer of the Bar Association nearest to the location of the work, of doubtful value, since a national panel of arbitrators containing experts in building construction law is now available under a standard, organized code of practice in complete harmony with the requirements of the arbitration laws and the judicial decisions

thereunder in any one of some 1,700 cities in the United States."

Mr. Snook suggests that architects who desire to provide for organized arbitration facilities incorporate in their contracts the following standard arbitration clause recommended by the American Arbitration Association:

"Any controversy or claim arising out of or relating to this contract or the breach thereof shall be settled by arbitration, in accordance with the Rules then obtaining of the American Arbitration Association, and judgment upon the award rendered may be entered in the highest court of the forum, state or Federal, having jurisdiction."

The Standard Documents of the American Institute of Architects have included since 1915 provisions for the arbitration of disputes arising between an owner and contractor, and when the standard form of contract was revised in 1925, the sub-contractor was also brought into the plan.

"Approval of these Standard Documents by such national trade organizations as the National Association of Builders' Exchanges, the Associated General Contractors of America, and groups of sub-contractors and building trades employers' associations, and the establishment of arbitration facilities by builders' exchanges and building congresses," Mr. Snook adds, "have brought the economic benefits of arbitration to thousands of building construction undertakings yearly, preventing losses of time and money and good-will damage to credit and business reputations, and the unpleasant publicity that is always at-

Building News Section

APARTMENTS

Hardwood Floors and Hardware Contracts Awarded

APARTMENTS Cost, \$60,000
SAN FRANCISCO, NE Bay and Webster Streets.

Three-story and basement frame and stucco apartments (13 rooms; steam heating system, oil burner, tile and composition roof, oak floors, canvas walls, plaster exterior, electric refrigeration).

Owner and Builder—Grace Perego, 176 Sutter Street.

Architect—H. C. Baumann, 251 Kearny Street.

Hardwood Floors: Ideal Floor Co., 666 Mission St.

Hardware: G. B. Jackson, 1929 Irving Street.

Other awards previously reported.

Plans Being Re-Figured.

APARTMENTS Cost, \$17,000
SAN JOSE, Santa Clara Co., Cal.

NW Ninth and San Antonio Sts.

Two-story and basement frame and stucco apartments with concrete garage (shingle and tar and gravel roof, steam heating system, electric refrigeration, hardwood floors, colored tile baths and kitchens).

Owner—R. D. Campbell, % Mrs. Hatfield, 339 S. 16th St., San Jose.

Architect—F. H. Slocombe, 3830 Harrison St., Oakland.

Bids ran high and plans are being re-figured by the three low bidders.

Sub-Bids Being Taken.

ALTER FOR APTS. Cost, \$3000
SAN FRANCISCO, 30 Liberty St.

Alterations and additions to two-story and basement frame and stucco flats for apts. (four 2-room and three 3-room apts.)

Owner—E. Faust, 30 Liberty St.

Architect—Not Given.

Contractor—F. Lindgren, 77 Ramona Street.

Sub-Contracts Awarded.

APARTMENTS Cost, \$10,000
OAKLAND, Alameda Co., Cal. No. 1711-15-17 27th Avenue.

Two-story and basement frame and stucco apartments (4 4-room apts.) composition roof, steam heat, hardwood floors, colored tile baths and kitchens.

Owner and Builder—S. E. Lovett, 1706 27th Ave., Oakland.

Architect—Withheld.

Sheet Metal—H. Hofvendahl, 2254 E-14th St., Oakland.

Plumbing—J. R. Freitas, 1917 E-14th St., Oakland.

Lumber—Zenith Lumber Co., 2101 E-12th St., Oakland.

Concrete—Aaron Dahlquist, 1612 27th Ave., Oakland.

BONDS

SAN FRANCISCO—Mayor Rossi announces that a second election will be held in May of next year to submit to the voters a proposal to issue bonds of \$3,500,000 to finance the erection of new schools and additions to standing structures. The election held on Nov. 3 was defeated by a slight majority.

BURLINGAME, San Mateo Co., Cal.—Trustees of the San Mateo Union High School District and Junior Col-

lege, meeting in Burlingame, instructed Superintendent Homer Martin to confer with District Attorney Edmund Scott to outline proceedings for an election to vote bonds of \$260,000 to finance purchase of lands and erection of additional school units. The issue would provide money for purchasing additional land that Burlingame high school, construction of new buildings at the Burlingame high school, probably a cafeteria and music building, and a new auditorium at San Mateo high school and improvements and repairs at the two schools.

CHURCHES

Preparing Preliminary Plans.

HOUSE OF STUDIES Cost, \$—
OAKLAND, Alameda Co., Cal. College Ave. and Chabot Road.

House of studies (type of construction not determined).

Owner—Dominican Fathers, Steiner & Bush Sts., San Francisco.

Architect—Arnold Constable, 580 Market St., San Francisco.

Property has just been purchased and Mr. Constable is preparing preliminary plans for a house of studies, which will be the first building of a group to be constructed at a later date. Father Connolly is in charge of the new project.

Prospective Bidders.

CHURCH Cost, \$100,000
BAKERSFIELD, Kern Co., Cal. Truxton Ave., bet. L and M Sts.

Two-story reinforced concrete church (260x40 ft.) terra cotta exterior, wood roof trusses, tile roofing, steel sash, cathedral glass.

Owner—First Baptist Church (Rev. F. O. Belden, pastor), Bakersfield.

Architect—Chas. H. Biggar, Haberfelde Bldg., Bakersfield.

General Work

Currie & Duglar, Kern County Land Bldg., Bakersfield.

Wm. Elssler, P. O. Box, 523, Bakersfield.

Henry Elssler, 229 18th St., Bakersfield.

Opperman & Hullett, 1327 Orange Drive, Bakersfield.

G. A. Graham, 612 19th St., Bakersfield.

Plumbing

Daly Plumbing Co., 1314 18th St., Bakersfield.

SKILSAW Portable Electric Hand Saws (4 models).

SKILSAW Portable Electric Sander

SKILSAW Radial Arm Attachments.

SYNTRON Portable Electric Hammers (4 models, motorless).

MALL Flexible Shaft Machines (60 models).

Electric Drills, Grinders, Buffers, Routers, Lock Mortisers.

PETER H. NELSON

Labor Saving Portable Electric Tools.

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SALES . SERVICE . RENTALS

Binns Plumbing Co., 1900 19th St., Bakersfield.

Bakersfield Plumbing Co., 1817 M St., Bakersfield.

W. W. Emltzer, 2728 Chester Ave., Bakersfield.

Electrical Work

Advance Electric Co., 909 18th St., Bakersfield.

W. T. Drury, 615 19th St., Bakersfield.

Sam Fingerhut, 1522 19th St., Bakersfield.

Wright Electric Co., Bakersfield.

Heating and Ventilating

Gundlach Plumbing & Sheet Metal Co., 2324 Chester Ave., Bakersfield.

W. M. Fisher, 2606 Chester Ave., Bakersfield.

Painting

A. J. Ferguson, 1675 Chester Ave., Bakersfield.

Bids are to be opened Nov. 12.

Completing Plans.

SYNAGOGUE Cost, \$—
LOS ANGELES, Cal. Houston St. near Soto.

One and two-story brick and steel synagogue (40x81 ft.)

Owner—B'Nai Israel Congregation.

Architect—Arlos R. Sedgely, Architects Bldg., Los Angeles.

November 10, 1931

Sub-Contracts Awarded

CHURCH Cost, \$65,000
MODESTO, Stanislaus Co., Cal.

Reinforced concrete church (seating capacity of 1000); tile roof, steam heating system, chapel, Sunday school quarters, gymnasium, etc.

Owner—First Methodist Church (Rev. Looftrough, pastor).

Architect—G. N. Hilburn, 1312 I St., Modesto.

Contractor—H. Tennyson, 125 Poplar St., Modesto.

Electric: Wille Electric Co., Modesto.

Plumbing and Heating: D. R. Hoffman, Modesto.

Sheet Metal: H. A. Trueblood, Modesto.

Concrete: Lloyd Terril, Turlock.

Rein. Steel: F. A. Klingler, 1269 N. Pilgrim, Stockton.

Tile Roof: Central Roofing Co., Modesto.

Lumber: Stanislaus Lumber Co., Modesto.

Contract Awarded.

SUNDAY SCHOOL Cost, \$60,000
POMONA, Los Angeles Co., Cal. Gibbs and Pearl Sts.

Frame and brick veneer Sunday school (100x100 feet).

Owner—Trinity Methodist Church of Pomona.

Architect—C. F. Skilling, 1008 W. Adams Blvd., Los Angeles.

Contractor—Robert R. Jones, 6517 W. Sixth St., Los Angeles.

FACTORIES AND WARE-HOUSES

Preparing Working Drawings.

CANNERY Cost, Approx. \$50,000
GILROY, Santa Clara Co., Cal.

One-story reinf. concrete and wood frame cannery (265x140-ft.)

Owner—Fillice & Perrelli, Gilroy and Richmond.

Architect—Wm. Knowles, 1214 Webster St., Oakland.

Bids will be asked in about 2 weeks.

Plans Being Figured.
FACTORY Cost, \$—
 LOS ANGELES, Cal. Turner to Banning Street.
 Two-story and mezzanine floor class A reinforced concrete factory (140x268-ft., brick filler walls; six steel rolling doors, wood roof trusses, sprinkler system).
 Owner—Los Angeles Soap Company.
 Architect—Morgan, Walls & Clements, Van Nuys Bldg., Los Angeles.

Construction Under Way.
PACKING PLANT Cost, \$—
 SAN JOSE, Santa Clara Co., Cal. Berryessa Road.
 Steel and cork meat packing plant (82 by 38 ft.).
 Owner—San Jose Meat Co. (Adrian Lussers), Berryessa Road, San Jose.

Plans by Eng. Dept. of Van Fleet
 Freear Co., 557 Howard St., San Francisco.
 Contractor—A. W. Cobby, 426 Homer St., Palo Alto.

Planned.
PACKING HOUSE Cost, \$100,000
 UPLAND, San Bernardino Co., Calif. Fourth Avenue and A Street.
 Fireproof packing house (300-car capacity).
 Owner—Upland Lemon Growers' Assn. L. R. Bradley, Sec'y., Upland.
 Architect—Not Selected.

Sub-Contracts Awarded.
LAUNDRY Cost, \$5000
 OAKLAND, Alameda Co., Cal. NE Fifty-sixth St. and Shattuck Ave.
 One-story brick laundry and one-story frame and stucco residence (5 rooms).
 Owner—G. Bonne, 1075 Seventh St., Oakland.
 Architect—Not Given.
 Contractor—Gaubert Bros., 4735 Brookdale Ave., Oakland.
Lumber—Loop Lumber Co., Broadway and Blanding St., Oakland.
Concrete—J. C. Viera, 1536 37th St., Oakland.
Iron—Herrick Iron Works, 18th and Campbell Sts., Oakland.
Brick Work—Wm. Holst, 2827 Park St., Berkeley.

Planned.
CREAMERY Cost, \$100,000
 LOS ANGELES, Cal. SE Thirty-first and Grand Avenue.
 Two-story creamery and garage (150x150 ft.).
 Owner—Western Holstein Farms, Inc., 3402 Avalon Blvd., Los Angeles.
 Architect—Not Selected.

Contract Awarded.
RAILROAD STATION Cost, \$—
 BIEBER, Lassen Co., Cal.
 Railroad station, roundhouse, repair shops, etc.
 Owner—Great Northern Railroad Co., 4th and Union Sts., Seattle.
Plans by Eng. Dept. of Owner (F. Mears, chief engineer).
 Contractor—A. Guthrie & Co., Sherlock Blvd., Portland.

Plans To Be Prepared.
REBUILD PLANT Cost, \$—
 OAKLAND, Alameda Co., Cal. 24th and Peralta Sts.
 Rebuild plant recently destroyed by fire.
 Owner—East Bay Iron & Metal Co., Hercules.
 Architect—Not Selected.
 More definite information will be given in about one week.

Plans Being Figured.
PACKING PLANT Cost, \$—
 HAYWARD, Alameda Co., Cal.

One-story Class C concrete meat packing plant (50x100 ft.); Pabco roof, 3-inch concrete floors.
 Owner—N. J. Battate, Hayward.
 Structural Engineer—Jas. M. Smith, 251 Kenny St., San Francisco.

FLATS

To Be Done By Day's Work.
FLATS Cost, \$10,000
 SAN FRANCISCO, S Jefferson St. 155 W Webster.
 Two-story and basement frame and stucco flats (2 flats).
 Owner and Builder—P. Johnson, 225 Lincoln Way.
 Architect—Not Given.

Sub-Bids Being Taken
FLATS Cost, \$9,000
 SAN FRANCISCO, E Baker St., 50 S Chestnut St.
 Two-story and basement frame and stucco flats (2 5-room flats; composition and tile roof, gas heat, separate showers and toilets, colored tile baths and kitchens, hardwood floors, Philippine mahogany trim).
 Owner and Builder—J. Collins, 64 Toledo Street.
 Architect—R. R. Irvine, Call Bldg.
 Plans Being Prepared.

FLATS Cost, \$9000
 SAN FRANCISCO, E Webster 75 N North Point St.
 Two-story and basement frame and stucco flats (two 5-room flats; breakfast room, tile and composition roof, electric and gas hot air heating system, electric refrigeration, colored tile baths and kitchens, hardwood floors).
 Owner and Builder—Severin Steinauer, 755 7th Ave.
 Architect—R. R. Irvine, Call Bldg.
 Sub-bids will be taken in one week.

GARAGES AND SERVICE STATIONS

Contract Awarded.
REPAIR SHOP Cost, \$4000
 SANTA CRUZ, Santa Cruz Co., Calif. Vine St. bet. Locust and Church.
 One-story reinforced concrete auto repair shop (steel girder, iron roof; 40x57-ft.).
 Owner—Fred McPherson, Sr., 94 Walnut St., Santa Cruz.
 Plans by Wood Bros. Co., 332 Soquel, Santa Cruz.
 Contractor—W. J. Woody, Twin Lakes Santa Cruz.

Planned.
SERVICE STATION Cost, \$—
 RICHMOND, Contra Costa Co., Cal. NE Twenty-third St. and MacDonald Avenue.
 Owner—G. W. Shaw, 440 8th St., Richmond.
 Architect—Not Given.

Plans Being Prepared.
GARAGE Cost, \$—
 ARCATA, Humboldt Co., Cal.
 One-story garage and equipment storage quarters.
 Owner—County of Humboldt, Fred M. Kay, County Clerk, Eureka.
 Plans by Frank Kelley, County Surveyor, Eureka.
 If the cost of the structure runs less than \$2000 the work will be undertaken by county forces.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—Bids are being received by the Bureau of Supplies and Accounts, Navy Dept., Washington, D. C., to furnish materials and

equipment to Pacific Coast navy yards and stations, further information on the schedules listed being obtainable from the Navy Purchasing Office, 109 Harrison St., San Francisco.

Bids Open Nov. 24
 Mare Island, 200 reams aluminum oxide abrasive cloth; sch. 6842.
 Mare Island, 20,000 empty practice bombs, sch. 6847.
 Mare Island, 18,000 lbs. rosin and 400 gals. pine tar; sch. 6857.
 Puget Sound, 1 impact testing machine; sch. 6869.
 Western yards, asbestos, cement, mill-board, wood, glue or cement, fireproof; cement, asbestos; sch. 6862.
 Mare Island, 1 motor-driven engine lathe; sch. 6868.
 San Francisco, 1 motor-driven engine lathe; sch. 6864.
 Mare Island, 1 motor-driven engine lathe; sch. 6876.
 San Francisco, 3 mechanical refrigerators; sch. 6851.
 Western yards, 4 laundry washing machines and spares, 4 underdriven extractors and spares, 4 drying tumblers and spares, 3 ironing presses, 3 flat work ironers and spares, etc., sch. 6880.

SAN FRANCISCO—Until November 18, 10 A. M., under Circular No. 928-32-106, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver 600 ft. of 2-inch rubber lined fire hose; double cotton jacket, in 50-ft. lengths; each length to be complete with cast brass expansion ring couplings with Pacific Coast Standard thread.

SAN FRANCISCO—Lee Dixon Painting Co., 18 Eureka St., at \$498 submitted low bid to Constructing Quartermaster, Fort Mason, for interior painting of three double sets of non-commissioned officers' quarters at the Presidio. Following is a complete list of bids received:

Lee Dixon	\$498
Commercial Painting Co.	676
R. P. Paoli	630
Emil Solve	636
F. J. Reilly	647
E. Kahler	660
Monroe Moore	724
W. G. Thompson	750
J. A. Mohr	897
A. Geckler and A. Rocca	920

Bids held under advisement.

Commissioned To Prepare Plans, POST OFFICE Cost, \$—
 BINGHAM CANYON, Utah.
 Class A Post Office.
 Owner—U. S. Government.
 Architect—Scott & Welch, Salt Lake City, Utah.

Commissioned To Prepare Plans, POSTOFFICE Cost, \$—
 TOOELE, Utah.
 Class A postoffice.
 Owner—United States Government.
 Architect—Miles E. Miller, Salt Lake City.

PALO ALTO, Santa Clara Co., Cal.—Until Dec. 3, 2:30 P. M., bids will be received by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, for installing complete, compressed asphalt tile or linoleum floor covering in Personnel Quarters Buildings Nos. 217 and 218, and linoleum floor covering in kitchens and halls of Cottage Buildings Nos. 304, 305 and 306 and in kitchen and laundry of Cottage Building No. 14. Specifications obtainable from the Supervising Superintendent at the Veterans' Hospital, Palo Alto.

DENVER, Colo.—Until Dec. 4, 2 P. M., under Spec. No. 529, bids will be received by U. S. Bureau of Reclamation, Denver, Colo., for furnishing and installing one 3,000-lb., live-load capacity, automatic, electrically-operated combined freight and passenger elevator, with a total lift of 270.51 ft., controlled from five landings, in Owyhee Dam, Owyhee project, Oregon-Ihaho. The Owyhee Dam is located about 21 miles southeast of Nyssa, Oregon, which town is on the main line of the Oregon Short Line Railroad. The contractor will be required to furnish and completely install all equipment together with operation and control apparatus for the elevator. The elevator enclosures are not included in the specifications. No charge for specifications and plans to prospective bona fide bidders; to others, 45 cents, not returnable. For particulars, address the Bureau of Reclamation, Owyhee, Oregon; Denver, Colo.; or Washington, D. C.

SAN FRANCISCO—Fred D. Turner, 212 Anita Road, Burlingame, at \$2347 awarded contract by Supervising Architect, Treasury Department, Washington, D. C., for repairs to the tank house at the Marine Hospital, San Francisco.

BERKELEY, Cal.—As previously reported, K. E. Parker Co., South Park, San Francisco, at \$105,000 submitted low bid to the Supervising Architect, Treasury Dept., to erect extensions and remodel the Berkeley Postoffice. Following is a complete list of bids:

K. E. Parker Co., San Francisco, \$105,000.
W. S. Dinwiddle, San Francisco, \$105,900.
Geo. Petersen, San Leandro, Calif., \$106,950.
W. G. Thornally, Oakland, \$109,500.
Schuler & McDonald, Inc., Oakland, \$111,000.
E. T. Lesure, Oakland, \$113,720.
R. J. Chute Co., Los Angeles, \$114,800.
David Nordstrom, Oakland, \$117,000.
Monson Bros., San Francisco, \$116,940.
Chas. Weltz's Sons, Inc., Des Moines Iowa, \$117,240.
H. Mayson, Los Angeles, \$119,979.
R. C. McBridge, Jr., Berkeley, \$120,880.
P. F. Reilly and John Grose, San Francisco, \$121,300.
Wm. MacDonald Const. Co., Saint Louis, \$123,418.
MacDonald & Kahn Co., Ltd., San Francisco, \$126,280.
A. Nelson, San Francisco, \$128,000.

SACRAMENTO, Cal.—Complete bids received by U. S. Engineer Office, Sacramento, Nov. 5, to furnish 240 Douglas Fir piling, each 40 ft. long, approximately 9,600 lin. ft. follow:

F.O.B. Venice Island	lin. ft. Total
R. McCormick Lbr. Co., \$1175	\$1128
Chas. Nelson Co., \$	1225
MacDonald & Harrington,	1244
Longview Dredging Co.,	13
Hammond Lbr. Co.,	146
James L. Hall	.065 624.00
F.O.B. Shipping Point	lin. ft. Total
Hammond Lbr. Co., \$	480.00
Niedermeyer-Martin	
Lumber Co.	.052 499.20
MacDonald & Harrington,	.0522 501.12
Lewis Lumber Co.	.055 528.00
Sullivan Lbr. Co.	.06 576.00
C. R. McCormick Lbd. Co.	.06 576.00
James L. Hall	.065 624.00
Reynier Lbd. Co.	.0675 648.00
J. H. Baxter & Co.	.08 768.00
Santa Fe Lbr. Co.	.045 1392.00

FORT SHAFTER, T. H.—As previously reported, Kenneth Colburn, Pasadena, Calif., at \$299,700 less \$20,-

000 on Items No. 1 and 2, \$5,000 accepted, awarded contract by Constructing Quartermaster, Fort Shafter, to construct 4 air corps double hangars, 1 air corps machine shop, 1 air corps assembly shop, 1 air corps warehouse at Wheeler Field, T. H.

Following is a complete list of bids: Item 1, buildings complete; 2, substitution of cement blocks for building tile, deduct.

Kenneth Colburn, Pasadena, Calif., item 1, \$299,700 less \$20,000; 2, \$5,000; contract accepted at \$274,700.

John Kumalea, Honolulu T. H., item 1, \$310,000.

E. E. Black, Honolulu, item 1, \$336,300; 2, \$6,820.

Ralph Woolley, Honolulu, item 1, \$336,773; 2, \$419,914.

Henry Freitas, Honolulu, item 1, \$360,000; 2, \$2,200.

Kalili Contracting Co., Ltd., Honolulu, item 1, \$362,500; 2, \$11,000.

Newport Contracting and Engineering Co., Lee Hall, Va., item 1, \$365,600 less \$25,600; 2, \$22,000 less \$14,500.

Ames-Will, Ltd., Honolulu, item 1, \$374,198; 2, \$5,000.

L. L. McCandless, Honolulu, item 1, \$400,000; 2, \$10,000.

Moses Akiona, Honolulu, item 1, \$415,000; 2, \$9,000.

Hawaiian Contracting Co., Ltd., Honolulu, item 1, \$419,914; 2, \$7,662.

Walker & Olund, Ltd., Honolulu, item 1, \$439,000; 2, \$5,000.

Contract Awarded Cont. Price \$462

PAINTING Cont. Price \$462

MARE ISLAND NAVY YARD, Calif.

Painting exterior of Buildings H-2,

H-2a and H-2b at Naval Hospital,

Mare Island Navy Yard (Specification No. 6596)

Owner—United States Government.

Plans by Bureau of Yards and Docks,

Navy Dept., Washington, D. C.

Contractor—L. C. McQuady, Vallejo.

Plans Being Figured—Bids Close Nov.

30, 2:30 P. M.

VACUUM PUMP Cost, \$—

PALO ALTO, Santa Clara Co., Cal.

Furnish and install manhole, vacuum

pump and return line in Veterans'

Hospital.

Owner—U. S. Government.

Plans by Supervising Superintendent

of Const., U. S. Veterans' Hos-

pital, Palo Alto.

This work will include excavating,

backfilling, reinforced concrete, vacuum

pump, pipes, valves, fittings, non-

conducting pipe covering, electric

work and connections to steam and

return lines in place. Plans obtain-

able from the Supervising Superin-

tendent of Construction at Palo Alto.

Low Bidder.

SHOP BLDG. Cost, \$—

PEARL HARBOR, T. H.

Utility Shop Building, 125x200 (structural steel frame; Spec. No. 6698).

Owner—U. S. Government.

Plans by Bureau of Yards and Docks,

Navy Dept., Washington, D. C.

Low Bidder—Ames - Wills Co., Ltd.,

Honolulu, T. H.

PALO ALTO, Santa Clara Co., Cal.

—Until December 4, 2:30 P. M., bids

will be received by Supervising Su-

perintendent of Construction, U. S.

Veterans Hospital, Palo Alto, for tile

floor, etc., in the Substence Build-

ing No. 204 at Palo Alto. This work

will include quarry the floors and base

or quarry tile floors and high fired

falcene tile base and wainscot, re-

moving cement topping on concrete

floors, constructing tile and steel

trough under steam kettles and all

cutting and patching required. On

previous call for bids lowest bid was

submitted by Art Tile & Mantel Co.,

221 Oak St., San Francisco, at \$11,925.

Specifications and further information obtainable from the Supervising Superintendent of Construction, Palo Alto.

Site Purchased.

POST OFFICE Cost, \$142,500

VISALIA, Tulare Co., Calif. Locust,

Acequi and Court Streets.

Class A post office.

Owner—U. S. Government.

Architect—Not Determined.

It has not been determined whether

plans for this structure will be pre-

pared by a private architect or by the

Supervising Architect's Office of the

U. S. Treasury Department.

Site Purchased.

POST OFFICE Cost, \$150,000

PORTERVILLE, Tulare Co., Cal. Mill

and Hockett Sts. (120x225-ft.)

Class A post office.

Owner—U. S. Government.

Architect—Not Determined.

It has not been determined whether

plans for this structure will be pre-

pared by a private architect or by the

Supervising Architect's Office of the

U. S. Treasury Department.

Contract Awarded.

REMODEL Cont. price, \$5327

SAN FRANCISCO. Appraisers Bldg.

Exterior and interior repairs to ap-

praisers building (painting, etc.)

Owner—United States Government.

Architect—Wm. A. Newman, Post Of-

fice Bldg., San Francisco.

Contractor—Cramer Bros., 1341 15th

Street.

VENTURA, Cal.—C. N. Franklin,

representative of the Supervising Ar-

chitect's Office, Treasury Department,

Washington, D. C., states that plans

for the new U. S. Post Office building

to be erected in Ventura will probably

be prepared by a Ventura county ar-

chitect. It is expected that plant will

be under way within a short time.

The sum of \$200,000 has been appro-

priated for the erection of the build-

ing.

Bids Opened.

POSTOFFICE Cost, \$—

PASCO, Washington.

Fireproof postoffice.

Owner—United States Government.

Plans by Supervising Architect, Treas-

ury Dept., Washington, D. C.

Low Bidder—Hedeen Construction Co.

American Bank Bldg., Seattle, at

\$56,700.

Fourteen bids in all were submitted

on this project, eight bidders being

from Seattle and six from other sec-

tions of Washington state.

SACRAMENTO, Cal.—Niedermeyer-

Martin Lumber Co., Portland, Oregon,

low at \$52 lin. ft. to U. S. Engineer

Office, Sacramento, f.o.b. Portland, for

240 Douglas fir piling, each 40 ft. long,

approximately 9600 lin. ft.

MacDonald and Harrington sub-

mitted second low bid of \$522 f.o.b. Port-

land.

Plans Being Completed.

POST OFFICE Cost, \$150,000

OROVILLE, Butte Co., Cal. Robinson

and Oak Street.

Class A post office.

Owner—United States Government.

Architect—Fred. H. Meyer, 525 Market

St., San Francisco.

Bids will be forwarded to Wash-

ington for approval shortly.

POINT REYES, Cal.—As previously

reported, bids will be received Novem-

ber 25, 11 A. M., under Specification

No. 6524 by Public Works Officer, Mare

Island Navy Yard, for installing new

foundations and new wood platforms

under water tanks Nos. 7 and 8 at

the Naval Direction Finder Station, Point Reyes. Prospective bidders on this work are:

J. J. Leonard Son, San Francisco.
Thos. Johnson, 2020 15th St., San Francisco.

Jos. Hasecke, 345 Haight St., San Francisco.

Plans Being Figured—Bids Close Dec. 4, 3 P. M.

POST OFFICE EXTENSION \$—
ALAMEDA, Alameda Co., Cal.

Fireproof extension to Post Office and remodel present quarters.

Owner—United States Government.
Plans by Supervising Architect's Office, Treasury Dept., Washington.

D. C.

Preliminary Plans Completed.
POST OFFICE Cost, \$150,000

MARSHFIELD, Oregon.
Two-story and basement Class A

Post Office, 112x65 ft. (red brick exterior).

Owner—United States Government.
Architect—Johnson & Walkwork, U.

S. Bank Bldg., Portland, Ore.
Bids for construction will be asked

about January 20.

SAN DIEGO, Cal.—S. W. Welding & Manufacturing Co., 3201 West Mission St., Allamanga, submitted low bid of \$495 to the Eleventh Naval District at San Diego on November 5 for furnishing and installing a 15,000-gal. capacity lead-lined steel tank, with piping, valves and foundations complete, at the Naval Operating Base (Fuel Depot), San Diego; specification No. 6645. Recommendation was made that the contract be a ward to the low bidder. Other bids were: Flour Corp., \$4270; Walter Bellon, \$4294; L. R. Armstrong, \$4687; Associated Plumbing & Engineering Co., \$4995.

HALLS AND SOCIETY BUILDINGS

Detailed Plans Being Prepared
COMMUNITY CENTER Cost \$650,000

SAN FRANCISCO, California St. and Presidio Ave.

Two-story and basement reinforced concrete community center.

Owner—Jewish Community Center, Sidney M. Ehrman, chairman, 63

Post St., San Francisco.

Architects—Hyman & Appleton, 68 Post St. and Arthur Brown, Jr.,

251 Kearny St., San Francisco.

Building will contain gymnasium, swimming pool, handball courts, auditorium, theatre, club rooms, lecture hall, game rooms, lounge rooms and kitchen.

Plans Being Figured—Bids Close Nov. 19th, 12 Noon.

CLUB HOUSE Cost, \$—
SALADA BEACH, San Mateo Co., Cal.

Sharp's Beach.
One-story frame and stucco clubhouse

(100x40-ft.).
Owner—City and County of San Francisco (Park Commission).

Architect—Willis Polk Co., 277 Pine St., San Francisco.

Bids received for this project last December were rejected, the lowest

being submitted by F. J. Reilly at \$23,752 and the second lowest by J. Harold Johnson at \$24,479.

Bids are being received by E. P. Lamb, secretary, Board of Park Com-

missioners, from whom plans may be obtained. Certified check 10% payable to Park Commissioners required with bid.

Planned.
HALL ADDITION Cost, \$—

MORGAN HILL, Santa Clara Co., Cal.

One-story frame social hall addition.

Owner—Methodist Episcopal Church (Rev. C. R. Hess, pastor).

Architect—Not Given.
Work will be handled by member of

the church. Members of the building committee include M. C. Sanders, F. W. Stone, etc.

Preparing Preliminary Plans.
MEMORIAL BLDG. Cost, \$20,000

EL CERRITO, Contra Costa Co., Cal.
One-story Class C reinforced concrete

memorial building.
Owner—County of Contra Costa.

Architect—James Nabett, 466 31st St. Richmond.

Plans Being Figured—Bids Close Dec. 1st, 8 P. M.

CLUB HOUSE ADDN. Cost, \$—
ALAMEDA, Alameda Co., Cal.

One-story frame and stucco addition to club house (53x45-ft.) part tile

and composition roof, electric heat, pine floors, etc.

Owner—City of Alameda (W. E. Varcoe clerk).

Architect—Hamilton Murdock, 1436 Benton, Alameda.

Plans obtainable from city clerk upon deposit of \$25.

Plans Being Completed.
MEMORIAL BLDG. Cost, \$50,000

SANTA CRUZ, Santa Cruz Co., Calif.
Two-story and basement veterans'

memorial building (concrete exterior walls, frame interior, tile roof; Spanish style.)

Owner—County of Santa Cruz.
Architect—Davis-Pearce Co., Grant &

Weber St., Stockton.

Bids will be asked in about 30 days.

Plans Completed.
CLUB HOUSE Cost, \$13,000

OROVILLE, Butte Co., Cal. Montgomery Street.

One-story frame and stucco club house (auditorium, lounging room,

tea rooms, retiring rooms, etc.);

Owner—Monday Club, Oroville.
Architect—Cole & Brouhard, Chico.

Bids will be asked shortly.

HOSPITALS

Contract Awarded.
HONOLULU, T. H.

NURSES HOME Cost, \$250,000

Three-story concrete nurses' home (75 rooms, 25 baths).

Owner—Queen's Hospital.
Architect—C. W. Dickey, Honolulu,

T. H.
Contractor—E. E. Black, Ltd., Honolulu, T. H.

Stucco exterior finish, interior partitions of cement blocks, terra cotta

tile roof, concrete floors, electric elevators, standard plumbing goods, Oregon

pine interior finish.

SAN MATEO, San Mateo Co., Cal.—
Van Fleet Frear Co., 557 Howard St.,

San Francisco, at \$2,880, awarded contract by County Supervisors to

furnish linoleum for the San Mateo County Hospital. Wm. H. Toepke, 74

New Montgomery St., San Francisco, architect. Following is complete list

of bids:

Van Fleet Frear Co., S. F. \$2,880

D. N. & E. Walter, S. F. 3,154

Commercial Linoleum Co., S. F. 3,325

Conklin Bros., Inc., S. F. 3,332

H. W. Rivett Co., S. F. 3,552

W. J. Sloane, S. F. 3,774

LOS ANGELES, Cal.—Until 2 P. M., Nov. 23, bids will be received by

county supervisors for the installation of an automatic telephone system at the County Farm, near Honco. Wm. Davidson, chief Mechanical Engineer,

10th Floor, Hall of Records, prepared the plans.

Low Bidders.
CONTAGIOUS WARD Cost \$50,000

FRESNO, Fresno Co., Cal.
One-story and basement brick or re-

inforced concrete contagious ward at County Hospital.

Owner—County of Fresno, D. M. Barnwell, county clerk.

Architect—Swartz and Ryland, Brick Bldg., Fresno.

General Work
W. J. Heffner, 252 N Broadway,
Fresno \$25,000

Brick
Paul Kinder, 1520 Olive Street,
Fresno \$5,450

Plumbing and Heating
Barrett-Hicks Co., 1031 Broad-
way, Fresno \$13,447

Electric
Wessel Electric Co. \$5,438

Terra Cotta and Tile Roofing
Bush Roofing Co., St. Claire Bldg.,
San Jose \$2,874

Lathing and Plastering
Joe. Masl, 515 Oleander, Fresno \$4,229

Mill Work
Hollenbeck - Bush Planing Mill,
Van Ness & Lorena, Fresno \$3,461

Floor Covering
Large & McKenzie Furniture Co.,
849 Fulton St., Fresno \$1,495

Complete list of bids will be published shortly.

Plans Being Figured—Bids Close Nov. 23, 2:30 P. M.

NURSES' HOME Cost, \$3500

YUBA CITY, Sutter Co., Cal.
One-story frame and stucco nurses'

home (accommodations for six), wood shingle roof, heat from main

hospital.

Owner—County of Sutter.
Architect—Otto Diechmann, 110 Sut-

ter St., San Francisco.

Plans Being Figured
SANATORIUM Cost, \$40,000

OCEANSIDE, San Diego Co., Cal.
Two-story Class A reinforced concrete

Class A sanatorium (66x142) (hollow tile partitions, cement floors.)

Owner—Rosicrucian Fellowship (Dr. Gerald B. Bryant, Los Angeles,

chairman).

Architect—Lester A. Cramer, 6363 Hollywood Blvd., Los Angeles.

Plans Being Figured.
SANATORIUM Cost, \$45,000

OCEANSIDE, Los Angeles Co., Cal.
Two-story Class A reinforced concrete

and hollow tile sanatorium (76x142 feet).

Owner—Rosicrucian Fellowship (Dr. Gerald B. Bryant, chairman of the

building committee).

Architect—Lester A. Cramer, 6363 Hollywood Blvd., Los Angeles.

November 7, 1931

Contracts Awarded.
PREVENTORIUM Cost, \$—

REDWOOD CITY, San Mateo Co., Cal.
Pulgas Tunnel (second unit of Tubercu-

losis Preventorium) plumbing, gas fitting, electrical work and mechanical equipment).

Owner—City and County of San Francisco, S. J. Heister, Secretary,

Board of Public Works.
Architect—H. H. Meyers, Kohl Bldg.,

San Francisco.

Electrical Work—Turner Co., 329 Tehama St., at \$5812.

Plumbing and Gas Fitting—Scott Co., 243 Minna St., at \$16,537.

Mechanical Work—Herman Lawson, 465 Tehama St., at \$22,250.

Contracts Awarded.
HOSPITAL Cost, \$—

SAN FRANCISCO, Onondaga Avenue and Alameda Blvd.

Two-story Class A reinforced concrete Emergency Hospital.

Owner—City and County of San Francisco, S. J. Hester, secretary of the Board of Public Works.

Plans by Bureau of Architecture, Department of Public Works, Charles H. Sawyer, Chief of Bureau, 2nd floor, City Hall.

General Work

Albert Nelson, 242 Ocean Ave., \$47,764
Plumbing and Mechanical Work
 Thos. Skelly, 1344 9th Ave., \$10,750

Contracts Awarded.
HEALTH CENTER Cost, \$—
SAN FRANCISCO. Grove and Polk Streets.

Plumbing, mechanical equipment, electric work and elevator installation in Health Center Building.

Owner—City and County of San Francisco, S. J. Hester, secretary of the Board of Public Works.

Architect—S. Heiman, 57 Post St.
Mechanical Equipment—Scott Co., 243 Minna St., \$36,938.

Electrical Work—Alta Electric & Mechanical Co., 938 Howard St., \$58,246.

Plumbing—Anderson & Rowe, 45 Belcher St., \$59,965.

Elevator Installation—O.T.I.s Elevator Co., 1 Beach St., \$19,689.

Completing Plans.
INSTITUTE BLDG. Cost, \$400,000
SAN FRANCISCO.

Class A reinforced concrete psychopathic Institute building.

Owner—City and County of San Francisco.

Architect—Alfred I. Coffey and Martin J. Rist, associated, Phelan Bldg.

Structural Engineer—H. J. Brunnier, Sharon Bldg.

Plans will be completed in about 30 days.

Completing Plans.
INSTITUTE BLDG. Cost, \$400,000
SAN FRANCISCO. Potrero Ave. and 21st St.

Six-story and basement Class A cancer institute building.

Owner—City and County of San Francisco.

Architect—Alfred I. Coffey and Martin J. Rist, associated, Phelan Bldg.

Structural Engineer—H. J. Brunnier, Sharon Bldg.

Steel frame, brick exterior, tile and hollow metal partitions.

Plans will be completed in about 30 days.

Completing Plans.
RETREAT HOUSE Cost, \$100,000
LOS ANGELES. Cal. Sunset Blvd. and Holly Vista Drive.

Layman's retreat house (54 rooms); retreat master's house (20 rooms) chapel, etc. (concrete and frame construction).

Owner—Loyola Retreat Assn.

Architect—Ross Montgomery, Chamber of Commerce Bldg., Los Angeles.

Bids will be asked in one week.

Contract Awarded.
LIGHT FIXTURES Cost, \$—
BERESFORD. San Mateo Co., Cal.

Furnish and install lighting fixtures for new east wing of Community Hospital.

Owner—County of San Mateo, E. B. Hinman, county clerk, Redwood City.

Architect—Will H. Toepke, 74 New Montgomery St., San Francisco.

Concrete—Dowd-Seid Co., 2118 Mission St., San Francisco.

Following is a complete list of bids:

Dowd-Seid Elec. Co., S. F., \$1,344

Art Fixture Shop, 1,738

Roberts Mfg. Co., S. F., 1,993

Bids Opened.
FINISHING Cost, \$—
BERESFORD. San Mateo Co., Cal.
 Completing rooms & addition to the new east wing of the Community Hospital.

Owner—County of San Mateo, E. B. Hinman, county clerk, Redwood City.

Architect—Will H. Toepke, 74 New Montgomery St., San Francisco.

Following is a complete list of bids:
 Jos. Bettencourt, San Bruno, \$4,530
 H. H. Larson Co., S. F., 4,733
 C. E. Fowler, Burlingame, 4,950
 Bids held under advisement.

HOTELS

Preparing Working Drawings
HOTEL ADDITION Cost, \$—
MERCED. Merced Co., Cal. 601 M St.

Five-story and basement reinforced concrete class C addition to hotel (wood studs, concrete exterior walls, columns and beams).

Owner—Stanley Simonson (El Capitan Hotel), 601 M St., Merced.

Architect—Kent & Hass, 525 Market St., San Francisco.

Bids will be asked in about thirty days.

Date of Opening Bids Postponed Until
 November 16th

REMODEL HOTEL Cost, \$30,000
SALINAS. Monterey Co., Cal. 117 Main St.

Remodel two-story hotel (wood studs and joists, brick exterior walls), all 45 baths.

Owner—Franciscan Hotel, 117 Main St., Salinas.

Architect—H. H. Winner, 15 Stuart St., San Francisco.

Work involves finish carpentry, rough carpentry, lathing and plastering, magnesite work, plumbing, electric, metal windows, ventilating, the work, painting and finishing.

Following contractors will submit bids:

F. C. Carlsen, Salinas.

I. M. Sommer, 901 Bryant St., San Francisco.

H. H. Larsen Co., 64 South Park St., San Francisco.

N. H. Sjoborg & Son, Cal Bldg., San Francisco.

David Nordstrom, 354 Hobart St., Oakland.

Carl N. Swensen, 355 Stockton Ave., San Jose.

John J. Moore Co.

W. E. Greene, Salinas.

Ragnor Monson, 101 Carmel St., San Francisco.

L. R. Holm Co., Oakland.

ICE AND COLD STORAGE PLANTS

Preparing Plans.
UPLAND. San Bernardino Co., Calif.
PRE-COOLING PLANT Cost, \$65,000
 Third Avenue.

Citrus pre-cooling plant (80 car capacity).

Owner—Upland Citrus Assn.

Architect—W. W. Ache, 1616 Fourth Ave., Los Angeles.

POWER PLANTS

LODI, San Joaquin Co., Cal.—Pacific Gas and Electric Co., 245 Market St., San Francisco, has authorized an expenditure of \$220,000 to rebuild the Lodi sub-station and increase line facilities serving the territory adjacent to Lodi, Acampo, Lockeford, Clements, Woodbridge and Linden. The installation includes two transformers, each having 6,000-hp. capacity, together with necessary regulating and switching equipment, and spare or relief transformers.

SEATTLE. Wash.—Until Nov. 20, 10 A. M., bids will be received by G. W. Roberge, secretary, Board of Public Works, to furnish electric generating machinery for Fireboat Alki. Certified check 5% payable to City Comptroller required with bid. Plans obtainable from secretary, 512 County City Bldg., Seattle.

PANAMA CANAL ZONE.—Until 11 December 10, 10:30 A. M., under Schedule No. 2698, bids will be received by General Purchasing Officer, Panama Canal, Washington, D. C., for plate steel penstocks and outlet pipes for the Madden Dam Power Plant. Specifications on file in office of Assistant Purchasing Agent at Fort Mason, San Francisco.

LOS ANGELES. Cal.—Contracts for furnishing hydraulic equipment, electric generator and transformer. Specification No. 2572 awarded by city purchasing agent as follows:

Newport News Shipbuilding & Drydock Co., 90 Broad St., New York—Item 1, hydraulic equipment at \$74,305.

Allis-Chalmers Mfg. Co., Milwaukee, Wis.—Item 2, electric generator and appurtenances, at \$101,637.

General Electric Co., 5201 Santa Fe Ave., Los Angeles—Item 3, transformers and appurtenances at \$42,985.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Bids Opened.
FIRE HOUSE Cost, \$—
ELDRIDGE. Sonoma Co., Cal.

One-story frame firehouse (brick veneer exterior).

Owner—State of California.

Plans by State Department of Public Works, Division of Architecture, Geo. F. McDougall, state architect, Public Works Bldg., Sacramento.

The structure will have reinforced concrete foundations, concrete and wood floor construction, brick veneer, wood walls and partitions, wood roof construction and wood shingle roof.

Following is a complete list of bids: (1) deduct for omitting hose rack (2) deduct for different type of shingles.

Petaluma Const. Co., Petaluma \$10,975 (1) \$885 (2) \$455.

F. J. Weeks, Vallejo \$11,475 (1) \$975 (2) \$50.

Milton Co., Palo Alto \$11,569 (1) \$856 (2) \$236.

J. B. Bishop, Oakland \$11,775 (1) \$890 (2) \$747.

Wm. Spivock, San Francisco \$12,035 (1) \$800 (2) \$430.

T. Johanssen, San Francisco, \$12,800 (1) \$900 (2) \$500.

I. M. Sommer, San Francisco \$12,894 (1) \$1,058 (2) \$76.

F. H. Cress, Oakland \$14,450 (1) \$600 (2) \$400.

Plumbing and Heating

Ray Kynoch, 218 English, Petaluma.....\$1,999

W. C. Kinder, Napa.....2,122

Carl T. Doell, Oakland.....2,369

W. H. Robinson, Monterey Park 2,400

F. W. Snook, San Francisco.....2,482

Electrical

Karl Stoltzing, Santa Rosa.....\$558

W. B. Baker, San Francisco.....649

Superior Elec. Co., San Francisco.....662

Decker Elec. Co., San Francisco.....677

Reliable Elevator Works, Sacto.....875

Heating

Ray Knoch, Petaluma.....\$540

George Bell, Oakland.....822

Pacific Heat, & Vent. Co., Oakland.....849

W. H. Robinson, Monterey Park.....796

Plumbing

Ray Knoch, Petaluma.....\$1,473

W. H. Robinson, Monterey Park 1,620

J. A. Fazio, Oakland.....1,695

Bids held under advisement.

Plans Being Figured—Bids Close Dec. 7th, 5 P. M.
FIRE STATION Cost, \$22,000
WOODLAND, Yolo Co., Cal.
 Two-story frame and stucco fire department building in connection with city hall plant (dormitory to accommodate 10); Spanish type; tile roof; 70-ft. tower.
 Owner—City of Woodland.
 Architect—Chas. Dean, 1406 California State Life Bldg., Sacramento.

Contract Awarded.
HEATING SYSTEM Cont. price, \$1277
PACIFIC GROVE, Monterey Co., Cal.
 Furnish and install warm air heating system in public library.
 Owner—City of Pacific Grove, E. C. Hurlbut, city clerk.
 Architect—Not Given.
 Contractor—Ed. Simpson, 223 Grand Ave., Pacific Grove.

Plans Being Prepared.
MUSEUM Cost, \$—
SAN DIEGO, Cal. (Balboa Park).
 Two-story and basement Class A reinforced concrete fireproof museum (2nd unit).
 Architect—Wm. T. Johnson, San Diego Trust & Savings Bank Bldg., San Diego.

Prospective Bidders
FIRE STATION Cost, \$22,000
WOODLAND, Yolo Co., Cal.
 Two-story frame and stucco fire department building in connection with city hall plant (dormitory to accommodate 10), Spanish type.
 Owner—City of Woodland.
 Architect—Chas. Dean, Sacramento.
 Following contractors have secured plans:
 Fred Betz, 1017 43d St., Sacramento.
 Gene Kenyon, North Sacramento.
 M. R. Peterson, 1116 O St., Sacramento.
 P. F. Bender, 1012 Del Paso Blvd., Sacramento.
 Guth & Fox, 1528 27th St., Sacramento.
 Bids will be opened December 7th, 5 p. m.

Contract Awarded.
TEMPORARY OFFICES Cost, \$2000
REDWOOD CITY, San Mateo Co., Cal.
 Courthouse grounds.
 Temporary frame office building.
 Owner—County of San Mateo.
 Architect—Will H. Toepke, 74 N. W. Montgomery St., San Francisco.
 Construction will be of a temporary nature. The quarters will house the offices of the county surveyor and other official departments of the county government.
 Contractor—Joseph Bettencourt, San Bruno.
 Following is a complete list of bids:
 Jos. Bettencourt, San Bruno.....\$1,890
 E. Berntsen & E. Steinmegger, 1948 J. D. Raffenberger, Redwood City.....1,946
 Russell & Duncan, Redwood City 1,965
 H. H. Larsen Co., S. F.....2,163
 W. B. Laglor.....2,237
 Gus Waller, Redwood City.....2,298
 C. E. Fowler, Burlingame.....2,317

Specifications Completed.
HALL OF RECORDS Cost, \$300,000
MARTINEZ, Contra Costa Co., Cal.
 Three-story Class A steel frame and concrete Hall of Records (hollow tile and metal lath partitions, steel sash, heating plant).
 Owner—County of Contra Costa.
 Architect—E. Geoffrey Bangs, 411 30th St., Oakland.
 Structural Engineer—F. H. Tibbitts, Alaska Commercial Building, San Francisco.
 Mechanical Engineer—G. M. Simonson, Call Bldg., San Francisco.

Specifications have been submitted to the Board of Supervisors for approval. Plans will be completed in one week and segregated bids will be asked immediately.

RESIDENCES

Contract Awarded
RESIDENCE Cost, \$8000
BERKELEY, Alameda Co., Cal. Euclid Avenue.
 Two-story and basement frame and stucco residence (6 rooms, tile roof, hardwood floors and trim, electric refrigeration).
 Owner—Dr. B. Gray, 2518 Rose Walk, Berkeley.
 Architect—H. H. Gutterston, 526 Powell St., San Francisco.
 Contractor—F. G. Applebe, 2405 Acton, Berkeley.
 Construction will start immediately.

Plans Being Figured.
RESIDENCE Cost, \$7000
SAN JOSE, Santa Clara Co., Cal.
 One-story and basement frame and stucco residence (6 rooms); composition and tile roof, gas heat, hardwood floors, colored tile bath and kitchen.
 Owner—C. Bosch.
 Architect—Herman Krause, 243 N-9th St., San Jose.

Decorating and Stair Contracts
RESIDENCE Cost, \$10,000
SAN FRANCISCO, 47th Avenue and Geary Street.
 Two-story and basement frame and stucco residence (8 rooms, 2 baths, composition and tile roof, gas heating, colored tile baths, kitchen etc.)
 Owner & Builder—Kiernan & O'Brien, Alexander Bldg.
 Architect—Albert H. Larsen, 447 Sutter Street.
Decorating—Harry Tyrrell.
Stairs—P. O. Lind, 2745 16th St.
 Sub-bids are being taken on other portions of the work.

Plans Being Completed
RESIDENCE Cost, \$6,000
OAKLAND, Alameda Co., Cal. Lakeside Highlands.
 One and one-half story frame and stucco residence (shingle roof, gas heat, colored tile bath and kitchen, hardwood floors and trim).
 Owner—Name withheld.
 Architect—Harris Allen, 557 Market St., San Francisco.
 Sub-Bids Being Taken.
RESIDENCE Cost, \$5000
SAN FRANCISCO, NW Cory and Wilder Sts.
 One-story and basement frame and stucco residence (5 rooms; composition and tile roof, gas furnace, hardwood floors and Philippine mahogany trim, colored tile baths and kitchen).
 Owner & Builder—Paul Priolo, 732 Cheney St.
 Plans by E. K. Dobkowitz, 455 Monterey Blvd.
 There will be some grading.

Sub-Bids Being Taken.
RESIDENCE Cost, \$20,000
SAN FRANCISCO, Judah Street and Eighth Avenue.
 Three-story and basement frame and stucco studio office and residence (8 rooms in residence); tile and flat roof, steam heating, hardwood and tile floors, colored tile baths and kitchen.
 Owner & Builder—Henry Doelger, 300 Judah Street.
 Architect—Chas. Strothoff, 2274 15th Street.

Sub-Bids Being Taken
RESIDENCE Cost, \$7000
SAN FRANCISCO, 47th Avenue and Geary Street.
 One-story and basement frame and stucco residence (six rooms, composition and tile roof, gas heat, colored tile bath and kitchen).
 Owner & Builder—Kiernan & O'Brien, Alexander Bldg.
 Architect—Albert H. Larsen, 447 Sutter Street.

Plans Being Figured.
RESIDENCE Cost, \$40,000
HILLSBOROUGH, San Mateo Co., Cal.
 Two-story and basement frame and stucco residence.
 Owner—E. J. Arkush, 988 Market St., San Francisco.
 Architect—Willis Polk Co., 277 Pine St., San Francisco.
 Henry B. Post, 1330 Webster Street, Palo Alto, desires sub-bids on all portions of the work in connection with above. Sub-bids must be in his office by November 13.

Plans Being Figured.
RESIDENCE Cost, \$15,000
STOCKTON, San Joaquin Co., Calif. Oxnard Manor.
 Two-story and basement frame and stucco residence (9 rooms, 3 baths) tile roof, gas burner, hot water heater, colored tile baths and kitchen, hardwood floors, electric refrigeration.
 Owner—Jos C. Brigheto.
 Architect—Jos. Losekann, 1218 West Harding St., Stockton.

Plans Being Completed.
RESIDENCE Cost, \$9000
STOCKTON, San Joaquin Co., Calif. Oxford Manor.
 One-story and basement frame and stucco residence (7 rooms, 2 baths) tile roof, gas hot air furnace, colored tile baths and kitchen, refrigeration, hardwood floors, pine trim.
 Owner—J. F. Donovan, 336 E Main St., Stockton.
 Architect—Jos. Losekann, 1218 West Harding St., Stockton.
 Bids will be asked in one week.

Plans Completed.
RESIDENCE Cost, \$8500
BERKELEY, Alameda Co., Cal. Country Club Acres.
 Two-story and basement frame residence (shingle roof, gas heat).
 Owner—Mr. Martorotti.
 Architect—E. L. Snyder, 2101 Addison St., Berkeley.
 When bids will be asked is indefinite at this time.

Plans Being Figured.
RESIDENCE Cost, \$7500
ORINDA, Contra Costa Co., Cal. Orinda Country Club grounds.
 One and one-half-story frame and stucco residence (7 rooms and 2 baths; Normandy style, shingle roof, steel sash, oil burner, hot air heating system, colored tile baths and kitchen, hardwood floors and trim).
 Owner—Withheld.
 Architect—Wm. A. Rich, Orinda.

Sub-Bids Being Taken.
RESIDENCE Cost, \$6000
SAN FRANCISCO, Santiago near 18th Avenue.
 One-story and basement frame and stucco residence (five rooms, gas heat, composition and tile roof, colored tile bath and kitchen, hardwood floors and trim, etc.)
 Owner & Builder—A. Halsen, 2427 25th Avenue.
 Architect—Not Given.

Sub-Bids Being Taken

RESIDENCE Cost, \$6000
SAN FRANCISCO. Darien Day.
 One-story and basement frame and stucco residence (6 rooms and 2 baths, tile and composition roof, gas heat, colored tile baths and kitchen, hardwood floors and trim).
Owner and Builder—A. Hallgren, 1594 29th Ave., San Francisco.
Architect—Not Given.

Brick Contract Awarded.

RESIDENCE Cost, \$11,500
BERKELEY. Alameda Co., Cal. Claremont Pines.

Two-story and basement frame and rustic residence (7 rooms, 2 baths, shingle roof, electric refrigeration, colored tile baths and kitchen).

Owner—Dr. Howard E. Allen, 2490 Channing Way, Berkeley.

Plans by P. Conser, & E. L. Snyder, 2101 Shattuck Ave., Berkeley.

Contractor—Shapiro and Brown, 1245 Berkeley Way, Berkeley.

Brick—W. H. Wisherpool, 434 Michigan Ave., Berkeley.

As previously reported, lumber contract awarded to Tilden Lumber Co., foot of University Ave. Berkeley; steel sash to Michel and Pfeffer Iron Works Inc., 10th and Harrison Streets, San Francisco; concrete work to Ensor Buel, 2927 Lorina Ave., Berkeley.

Contract Awarded.

RESIDENCE Cost, \$12,459
BERKELEY. Alameda Co., Calif. 611 Cragmont Ave.

Three-story frame and stucco residence (9 rooms).

Owner—N. M. Zoph, 1870 Capistrano, Berkeley.

Architect—W. R. Yelland, Financial Center Bldg., Oakland.

Contractor—A. Holyoake, 517 East Ave., Hayward.

Contract Awarded.

MANSE Cost, \$6000
VALLEJO. Solano Co., Cal. Carolina St. bet. Alameda and El Dorado.

One-story frame and stucco manse.

Owner—Presbyterian Church, Vallejo.

Architect—Not Given.

Contractor—W. Frank, Vallejo.

Sub-Bids Being Taken.

RESIDENCE Cost, \$6500
BERKELEY. Alameda Co., Cal. Sterling and Miller Streets.

One-story and basement frame and stucco residence (5 rooms; composition and tile roof, gas heat, colored tile bath and kitchen, hardwood floors).

Owner and Builder—E. M. Sorensen, 2110 Woodbine St. Oakland.

Architect—A. W. Smith, American Bk. Bldg., Oakland.

To Ask Bids Within a Few Days.

RESIDENCE Cost, \$4000
BERKELEY. Alameda Co., Cal. Berkeley View Terrace.

One-story and basement frame and stucco residence (5 rooms; shingle roof, part tile bath and kitchen, hardwood floors).

Owner—Arthur Bowron, 1104 Keith St., Berkeley.

Architect—Ray Wesley and E. L. Herberger, 770 Keefer Ave., Oakland.

Sub-Bids Wanted.

RESIDENCE Cost, \$12,000
PIEDMONT. Alameda Co., Cal. 260 King Avenue.

Two-story and basement frame and stucco residence (9 rooms and 2 baths; gas heat, hardwood floors, colored tile baths and kitchen, etc)

Owner and Builder—J. W. Scammell, 924 Scenic Ave., Piedmont.

Plans by Owner.

Excavation—Ariss-Knapp Co., 961 41st St., Oakland.

Sub-bids are wanted on mill work, sash and doors, plumbing, heating, sheet metal, concrete, brick work, plastering, wiring, fixtures, hardware, hardwood floors, wrought iron work, painting, stone work, tile and composition roof, sewers and drains, cabinet work, stairs, tile baths, canvas deck, water heaters, linoleum, shades and screens.

SCHOOLS

SACRAMENTO, Cal.—Until Nov. 23, 5 P. M., bids will be received by Chas. C. Hughes, secretary board of education, for the sale and delivery f.o.b. Sacramento, of vocational training equipment as follows:

- (1) Machine shop.
- (2) Wood working.
- (3) Auto mechanics.
- (4) Electrical.

Specifications obtainable from offices of Business Manager, School Administration Bldg., 21st and L Sts. Certified check 10% required with bids.

Preparing Plans

ADDITION Cost, \$100,000
LOS ANGELES, Cal.—No. 1521 N. Highland Avenue.

Sixteen unit addition to high school (12 classrooms).

Owner—Los Angeles City School Dist.

Architect—Marsh, Smith & Powell, Architects Bldg., Los Angeles.

Plans Being Figured—Bids Close Nov. 25, 10 A. M.

SCHOOL Cost, \$—

MIST, Madera Co., Cal.

One-classroom frame school.

Owner—Bailey Flat School District.

Miss J. C. Werley, clerk, Mist.

Architect—Not Given.

Certified check or bid bond 10% required with bid. Plans on file in the office of the county superintendent of schools at Madera.

Contracts Awarded.

GYMNASIUM Cont. price, \$418,000
BERKELEY. Alameda Co., Cal. Campus of the University of California.

Two-story and basement Class A steel frame and concrete men's gymnasium, gymnasium type hardwood floors, composition, rock, asphalt and gypsum roofing, steel sash, etc.

Owner—University of California.

Architect—Geo. W. Kelham, 315 Montgomery St., San Francisco.

General Work

Dinwiddie Const. Co., Crocker Bldg., San Francisco.

Electric

Turner Co., 329 Tehama St., San Francisco \$30,474

Heating

Alta Electric & Mfg. Co., 938 Howard St. San Francisco. \$109,697

Plumbing

F. W. Snook, 596 Clay St., San Francisco \$75,625

Sub-Contracts Awarded.

ADDITION Cont. price, \$7622
KENTFIELD, Marin Co., Cal. Marin Junior College Campus.

One-story four-classroom addition to Science Building (wooden frame, stucco exterior, tile roof).

Owner—Marin Junior College District, Kentfield.

Architect—A. A. Cantin, 544 Market St., San Francisco.

Contractor—J. S. Hannah, 268 Market St., San Francisco.

Mill Work—Hess Lbr. Co., 229 Third St., San Rafael.

Plumbing—F. W. Spencer, 2659 California St., San Francisco.

Window Hardware—Universal Window Co., 1916 Broadway, Oakland.

Painting—A. A. Zelinsky, 4420 California St., San Francisco.

Roofing—United Roofing Co., 142 Sullivan St., San Francisco.

Concrete—James Ghilotti, 1329 4th St., San Rafael.

Bids Opened.

GYMNASIUM Cost, \$1,000,000
BERKELEY. Alameda Co. Cal. Campus of the University of California.

Two-story and basement Class A steel frame and concrete men's gymnasium, gymnasium type hardwood floors, composition, rock, asphalt and gypsum roofing, steel sash, etc.

Owner—University of California.

Architect—Geo. W. Kelham, 315 Montgomery St., San Francisco.

Following is a complete list of bids:

Schuler & McDonald, Inc., Oakland, \$415,000; 300 days.

Dinwiddie Const. Co., San Francisco, \$418,000; 300 days.

H. Mayson, Long Beach, \$424,695; 275 days.

K. E. Parker Co., San Francisco, \$434,434; 375 days.

MacDonald & Kahn, San Francisco, \$436,517; 360 days.

R. W. Littlefield, Oakland, \$440,600; 400 days.

Barrett & Hilp, San Francisco, \$441,673; 300 days.

Clinton Const. Co., San Francisco, \$454,000; 330 days.

J. F. Shepherd, Stockton, \$455,933; 300 days.

Anderson & Ringrose, San Francisco \$459,000; 360 days.

Lindgren & Swinerton, Inc., S. F., \$467,000; 240 days.

R. E. Campbell, Los Angeles, \$474,855; 300 days.

Heating

Alta Elec. & Mfg. Co., 938 Howard St., San Francisco \$109,697

F. W. Snook, S. F. 114,984

Lohman Bros., Los Angeles 117,000

C. Peterson, San Francisco 122,673

Herman Lawson, S. F. 122,950

J. A. Nelson, S. F. 123,390

Turner Co., San Francisco 125,923

Mechanical Cont. Co., S. F. 126,200

Fearey & Moll, Oakland 127,796

Carl T. Doell, Oakland 131,000

Howe Bros., Oakland 131,640

Scott Co., San Francisco 142,600

Plumbing

F. W. Snook, 596 Clay St., San Francisco \$ 75,625

J. A. Fazio, Oakland 77,000

C. Petersen, San Francisco 81,222

Turner Co., San Francisco 81,500

Lohman Bros., Los Angeles 82,000

Howe Bros., Los Angeles 82,400

Mechanical Cont. Co., S. F. 85,000

Herman Lawson, S. F. 86,800

Frank J. Klimm, S. F. 93,592

Carl T. Doell, Oakland 105,646

Electrical

Turner Co., 329 Tehama Street, San Francisco \$30,474

Central Elec. Co., Oakland 31,792

NePage-McKenny Co., Oakland 31,987

Decker Elec. Co., S. F. 32,232

Radefinger Bros., S. F. 32,876

Mechanical Cont. Co., S. F. 34,600

Frank J. Klimm, S. F. 40,188

Heating and Plumbing Combined

F. W. Snook, 596 Clay Street, San Francisco \$190,500

Lohman Bros., Los Angeles 196,400

Turner Co., San Francisco 206,000

Mechanical Cont. Co., S. F. 207,000

Herman Lawson, S. F. 208,750

Howe Bros., Los Angeles 214,300

Geo. A. Schuster, Oakland 217,000

Carl T. Doell, Oakland 233,500

Heating, Plumbing and Electrical Combined

Mechanical Cont. Co., 83 Shipley St., San Francisco \$236,800

Turner Co., San Francisco 263,000

BANKS, STORES & OFFICES

Contract Awarded.
ADDITION Cost, \$5000
SACRAMENTO, Sacramento Co., Cal.
 No. 1100 Tenth Street.
 One-story addition.
 Owner—California Fruit Exchange
 Company, Premises.
 Architect—Not Given.
 Contractor—Azavedo & Sarmento,
 2030 21th St., Sacramento.

Sub-Contracts Awarded.
STORE Cost, \$—
BAKERSFIELD, Kern Co., Calif.
 Three-story and basement brick and
 concrete store (brick and terra
 cotta facing, composition roofing,
 structural steel, cement, hardwood
 and terrazzo floors, elevator, plate
 glass, metal fire doors, ornamental
 iron, fire escapes, gas heat, etc.).
 Owner—S. H. Kress Co., New York
 City.

Plans by Eng. Dept. of Owner.
 Contractor—Clinton Const. Co., 1103
 Spring Arcade Bldg., Los Angeles,
 and 923 Folsom St., San Francisco.
Structural Steel—International Stacey
 Corp. of California.
Architectural Terra Cotta—Pacific
 Clay Products Co., 1151 S Broad-
 way, Los Angeles.

Plans Completed.
ALPHEA RESTAURANT Cost, \$25,000
SAN FRANCISCO, 5424 Geary St.
 New front and tower for restaurant.
 (entire new front, 75-ft. tower,
 Class C, part steel frame, wood
 sheathing covered with stucco).
 Owner—M. Ross, 5424 Geary St.
 Architect—R. W. Irvine, Call Bldg.
 Engineer—F. W. Kellberg, 544 Mar-
 ket Street.

Segregated Bids Being Taken.
REBUILD STORE Cost, \$20,000
CHICO, Butte Co., Cal. Second and
 Wall Sts.
 Rebuild store partially destroyed by
 fire (Class C composition, steel
 frame, brick exterior, wood in-
 terior).

Owner—Louis Saroni, 725 Battery St.,
 San Francisco.
 Architect—Russell Guerne DeLappe
 and Vladimir Oglou, 374 17th St.,
 Oakland.

Segregated bids are being taken on
 portions of the work as construction
 progresses.

Additional Contracts Awarded.
REMODEL MARKET Cost, \$25,000
OAKLAND, Alameda Co., Cal. Grand
 and Webster Sts.
 Remodel and renovate reinforced con-
 crete market (12 departments).
 Owner—Grand-Webster Bldg. Corp.
 Architect—W. H. Weeks, 525 Market
 St., San Francisco.

Lessee—City Properties, Inc., 1736
 Franklin St., Oakland.
Clearing Site—John McCormick, 828
 Filbert St., Oakland.
Wrecking—Dolan Bros., San Pablo and
 Ashby Aves., Oakland.
Flooring—Horn Prod. Co., 354 Hobart
 St., Oakland.

As previously reported concrete
 flooring awarded to Douglas & Wolfe,
 Oakland.

Heating Contract Awarded.
STORE Cont. price, \$76,000
SANTA ROSA, Sonoma Co., Calif. 4th
 Street.
 Three-story brick and concrete store
 building (salesroom and offices; 60
 by 90-ft.).
 Owner—S. H. Kress & Co., 621 South
 Broadway, Los Angeles.
 Architect—John Fleming, 1031 South
 Broadway, Los Angeles.
 Contractor—Lindgren and Swinerton,
 Inc., California State Life Bldg.,
 Sacramento.

Heating—Carpenter & Mendenhall, 907
 Front St., Sacramento, \$3,863.
 Other awards previously reported.

Plans Completed.
STORE Cost, \$8000
OAKLAND, Alameda Co., Cal. San
 Pablo Ave. 75 S Williams St.
 One-story brick store.
 Owner and Builder—S. Feldstein, 1918-
 22 San Pablo Ave., Oakland.
 Plans by Owner.

Plans Being Figured—Bids Close Nov.
 16th.
EXCHANGE BLDG. Cost, \$—
SAN FRANCISCO. Pine and Steiner
 Streets.
 Two-story and basement brick rein-
 forced concrete and steel frame
 telephone exchange building.
 Owner—Pacific Telephone and Tele-
 graph Co., 140 Montgomery St.
 Plans by Eng. Dept. of Owner (E. V.
 Cobby in charge).
 Bids are being taken for the super-
 structure.
 MacDonald & Kahn Co. Ltd., Fi-
 nancial Center Bldg., desire sub-bids
 on all portions of the work in connection
 with the above. Bids must be in
 their office by Nov. 13.

As previously reported, Footings and
 foundations awarded to Lindgren and
 Swinerton, Inc., 235 Bush St., exco-
 ration to Sibley Grading & Teaming
 Co., 165 Lancers St.; structural steel
 to Steel Erectors Consolidated, Ltd.,
 15th and Carolina Sts.

Sub-Contracts Awarded.
STORES Cost, \$12,000
SAN FRANCISCO, Calif. Pierce and
 Chestnut Sts.
 One-story frame and stucco stores.
 Owner—Niels Schultz.
 Architect—Hyman & Appleton, 68 Post
 Street.
 Contractor—Schulz Const. Co., 1 Hill-
 crest Highlands, Milbrae High-
 lands.
Plastering—J. Graziani, premises.
Roofing—James Cantley Roofing Co.,
 666 Mission St.
Plumbing—P. H. Phillips, 431 Flood
 Avenue.

Contracts Awarded.
ADDITION Cont. price, \$63,330
SACRAMENTO, Sacramento Co., Cal.
 Two-story and basement reinforced
 concrete addition to State Printing
 Plant.
 Owner—State of California.
 Architect—Martin A. Sheldon, Monad-
 nock Bldg., San Francisco.
 Structural Engineer—W. L. Huber, 1
 Montgomery St., San Francisco.
 Heating Engineer—Leland and Haley,
 59 Sutter St., San Francisco.
 Contractor—W. C. Keating, Forum
 Bldg., Sacramento.
Electric Work—M. P. Canon, 2708 10th
 Ave., Sacramento, \$10,475.

Plumbing, Heating and Ventilating—
 Carpenter & Mendenhall, 907 Front
 St., Sacramento, \$11,800.
 The addition is to be two stories
 and basement with reinforced concrete
 foundations, floors, walls and roof
 slab, hollow tile partitions, brick fire
 wall and composition roof.

Plans To Be Prepared.
'PHONE EXCHANGE Cost, \$—
MONTEREY, Monterey County, Calif.
 Pierce and Franklin Sts.
 Two-story fireproof telephone ex-
 change (to serve Monterey and
 Pacific Grove).
 Owner—Pacific Tel. & Tel. Co.
 Plans by Engineering Department of
 Owners, E. V. Cobby, in charge,
 San Francisco.

Sub-Bids Being Taken.
STORE Cost, \$7500
OAKLAND, Alameda Co., Calif. 1922
 San Pablo Ave.
 One-story steel frame and brick store
 (composition roof, concrete floors
 and second floor put in place, elec-
 tric and plastering, plumbing work
 Owner and Builder—S. Feldstein, 1918-
 22 San Pablo Ave., Oakland.
 Plans by L. F. Hyde, 972 Hanover St.,
 Oakland.

Plans Being Figured.
REMODEL BLDG. Cost, \$—
HOLISTERY, San Benito Co., Cal.
 Remodel present building for store.
 Owner—Bank of America.
 Architect—H. A. Minton, Bank of
 America Bldg., San Francisco.

THEATRES

Plans Being Revised
THEATRE Cost, \$300,000
BERKELEY, Alameda Co., Cal. Shat-
 tuk Ave. and Bancroft Way.
 Two-story Class A reinforced concrete
 theatre and store (seating capacity
 1700).
 Owner—United Artists Theatres of
 California (Jos. M. Echenck, vice-
 president), 166 S. Vermont Street,
 Los Angeles.
 Architect—Walker & Eisen and C. A.
 Balch, Western Pacific Bldg., Los
 Angeles.

It will be an L-shaped structure,
 160x30x35 feet in area, and will pro-
 vide 1750 seats; reinforced concrete
 and steel construction, marble and
 tile work, metal doors, steel sash,
 heating and ventilating systems.
 Plans will be ready for bids in 30
 days.

Preparing Plans.
THEATRE Cost, \$70,000
COVINA, Los Angeles Co., Cal. Citrus
 Avenue.
 Two-story theatre (100x150 ft., to seat
 800).
 Owner—W. E. Knott.
 Architect—Boller Bros., Douglas
 Bldg., Los Angeles.

WHARVES AND DOCKS

Bids Wanted—To Close Dec. 3rd, 2
 P. M.
ROLLING DOORS Cost, \$—
SAN FRANCISCO. Pier No. 23.
 Furnish and install 36 steel rolling
 doors.
 Owner—State of California (Harbor
 Commission).
 Engineer—Frank G. White, Ferry
 Building.

**MISCELLANEOUS
CONSTRUCTION**

ALAMEDA, Alameda Co., Calif.—
 Standard Fence Co., 432 Brant St.,
 San Francisco, at \$633.46 awarded the
 contract by Alameda city council to
 furnish fencing for the Lincoln Park.

SACRAMENTO, Cal.—Campbell
 Construction Co., 800 R Street, Sacra-
 mento at \$379,747 awarded contract by
 city commission to construct the sedi-
 mentation unit in connection with the
 Municipal Filtration Plans. Complete
 bids published in issue of October 30.

Planned.
MAUSOLEUM Cost, \$—
MONTEREY, Monterey Co., Cal. Four
 miles out of Monterey.
 Reinforced concrete mausoleum.
 Owner—E. H. Tickle, Carmel.
 Plans by T. L. DeCaw.
 Hydraulic Engineer—Paul Sateikau.
 More definite information will be
 given shortly.

Engineering News Section

BRIDGES

SISKIYOU COUNTY, Calif.—J. W. Hoopes, 6140 14th Ave., Sacramento, at \$31,005 awarded contract by State Highway Commission to construct a bridge across Beaver Creek, 15.5 miles west of Junction Route No. 3, consisting three 50-ft. steel beam spans on concrete bents and abutments with wing walls. Complete unit and total bids published in our issue of Oct. 30.

ORANGE COUNTY, Calif.—State Highway Commission seeks permit from U. S. War Department to widen existing bridge across Anaheim Bay near Seal Beach. The proposed widening will increase the width to 50 ft. The bridge has nine spans 30 feet wide, a center removable span with clear width of 46 feet and a span on either side of center span of 29.58 ft. There will be a clear height of 15.8 ft. above mean lower low water and 11 ft. above mean high water.

VENTURA, Ventura Co., Cal.—Until 10 A. M., Dec. 1, bids will be received by county supervisors to construct two culverts and earth fill approach on Casey Road, leading to Moorpark High School, Chas. Contract No. 771. Project involves:

- (1) 2275 cu. yds. earthwork embankment;
- (2) 100 cu. yds. concrete;
- (3) 6700 lbs. reinf. steel;
- (4) E. Hallowell, county clerk, Chas. W. Petit, county surveyor.

BAKERSFIELD, Kern Co., Calif.—Until Nov. 16, 11 A. M., bids will be received by F. E. Smith, county clerk, to construct a pile bridge on the Isabella-Kernville Road, over the South Fork of the Kern River. Project involves:

- (1) 2,134 lin. ft. piles in place;
- (2) 240 lin. ft. pile cut-offs;
- (3) 73,413 ft. b.m. timber in place;
- (4) 3 fire barrels.

Certified check or cash 10% required with bid, checks payable to chairman of board of supervisors. Specifications obtainable from county surveyor.

VENTURA COUNTY, Cal.—Merritt Chapman & Scott, Sae. Pedro, at \$25,755.71 awarded contract by the State Highway Commission to construct a reinf. concrete girder bridge across Arroyo Calleguas, about one mile east of Camarillo, consisting of one 60-ft. span and two 30-ft. spans on concrete piers with concrete pile foundations and concrete pile bents. Complete total and unit bids published in our issue of October 30.

SAN BENITO COUNTY, Cal.—Geo. J. Ulrich Co., 1425 Stoddard Ave., Modesto, at \$87,966.35 awarded contract by State Highway Commission to construct two bridges about 8 miles south of Gilroy; one, a reinforced concrete girder bridge across San Juan Creek, consisting of one 34-ft. span and two 23-ft. spans on concrete bents and an abutment; the other, across San Benito River, consisting of three 100-ft. steel deck truss spans with concrete deck on concrete piers with pile foundations and ten 40-ft. reinforced concrete girder spans on concrete pile bents. Complete unit and total bids published in our issue of Oct. 30.

OKLAND, Cal.—J. H. Fitzmaurice, 354 Hobart Street, Oakland, at \$1,618 awarded contract by city council to construct concrete culverts in right-of-way east of Seminary Avenue in block 5 of Chevrolet Park, involving 179 lin. ft. 8-ft. by 6-ft. by 10-ft. concrete arch culvert. Complete bids follow:

J. H. Fitzmaurice	\$1,618
Lee J. Immel	1,880
Douglas & Wolfe	1,890
Triberti & Massaro	1,939
Healey-Moore Co.	1,940
Schnoor Brothers	1,945
L. C. Seidel	2,180
Martin Murphy	2,317
George Easterly	2,317
Jacobs & Pattiani	2,345
R. B. McNaair	2,370
John E. Branagh	2,374
W. J. Tobin	2,480

STOCKTON, San Joaquin Co., Cal.—County Surveyor Julius Manthey completes specifications for bridge over Beaver Slough on the Pearson Rd. west of Thornton; estimated cost \$5,000. Will be a pile trestle with 75-ft. steel span to be salvaged from another structure.

PLACERVILLE, El Dorado Co., Cal.—Until December 8, 2 P. M., bids will be received by Arthur J. Koltetzke, county clerk, to construct a reinforced concrete girder bridge across Georgetown Canyon Creek near Greenwood. Plans obtainable from clerk upon deposit of \$10. Certified check 10% payable to clerk required with bids.

REDONDO BEACH, Los Angeles Co., Cal.—Until 1:30 P. M., Nov. 27, bids will be received by city council to construct Class A reinforced concrete viaduct complete. The structure will be 103 ft. in length, with 44-ft. roadway and 5-ft. walk. This bridge was previously bid on in connection with the improvement of Vincent St. but the specifications reserved to the city council the right to award the contract for the paving separately. The paving was awarded to Griffith Co. Nov. 5. The previous bids on the bridge (item 12 of the improvement contract) ranged from \$15,554 to \$20,125.

Plans obtainable from D. L. Bundy, city engineer. C. C. Mangold is city clerk.

STOCKTON, San Joaquin Co., Cal.—Wellman Buck, 47 N. Grant St., Stockton, at \$3,000 awarded contract by the county supervisors for flooring on Jacobs Bridge No. 1 across the San Joaquin River on the Borden Highway Road District No. 1, one and one-half miles west of Stockton. Project involves approximately 8,000 ft. of lumber. Complete bids follow:

Wellman Buck	\$3,000
John Hachman	3,200
C. E. Totten	3,283
Carl Nelson	5,500
I. E. Toothacree	5,587

EUREKA, Humboldt Co., Cal.—Bids will be received shortly by Fred M. Kay, county clerk, for repairs to the Mule Bridge over the south fork of the Trinity River. Frank Kelley is county surveyor.

UKIAH, Mendocino Co., Cal.—County supervisors reject all bids submitted

to construct bridge over slough near Dan English residence, known as the Red Bridge; work will be done by day labor. Project involves:

- (A) 20,840 ft. B. M. redwood and fir lumber in place;
- (B) driving 37 piles.

DREDGING, HARBOR WORKS & EXCAVATIONS

SACRAMENTO Cal.—Until Nov. 17, 3 P. M., under Circular Proposal No. 32-149, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to raise existing levee for a distance of approximately 5,200 ft. along the easterly side of Yolo Bypass between the Yolo causeway on the Sacramento-Davis highway, and the Southern Pacific Railroad. Project involves moving 23,200 cu. yds. Spec. No. 3890/OGS. Specifications on file in office of Daily Pacific Builder.

SACRAMENTO, Cal.—John Phillips Co., 582 Market St., San Francisco, at \$12,750 (\$.085 cu. yd.) submitted low bid to U. S. Engineer Office, Sacramento, for raising and strengthening existing levee along the Western Pacific Railway on the east side of Reclamation District No. 10, extending northward approximately 14,000 feet from the railway crossing of Nigger Jack Slough, about one mile north of Marysville. Complete bids follow:

John Phillips Co., S. F.	\$12,750 (\$.085)
Ajax Dredg. Co., S. F.	13,335 (\$.0889)
R. K. Easley, Antioch	16,050 (\$.107)
Martin Bros., Long B'ch ..	17,175 (\$.1145)
D. A. Foley Con., L. A.	17,250 (\$.115)
Force Con. Co., Oakland ..	17,625 (\$.1175)
Lewis Con. Co., L. A.	20,100 (\$.134)
Paris Bros., Berkeley	20,850 (\$.139)
A. J. Peterson, Walnut Park	21,300 (\$.142)
C. W. Wood, Stockton	21,300 (\$.144)
Hemstreet & Bell, Marysville	21,750 (\$.145)
Delta Dredging Co., Pittsburg	23,850 (\$.159)
J. P. Brennan, Redding ..	24,450 (\$.163)
M. G. Hughes, Merced ..	25,050 (\$.167)
J. V. Galbraith, Petaluma	26,400 (\$.176)
T. L. Borman	29,100 (\$.194)
J. W. Terrell, Sacto.	29,700 (\$.198)
A. J. & J. L. Fairbanks, So. San Francisco	36,450 (\$.243)

SACRAMENTO, Cal.—Bids will be asked during the next few months by the U. S. Engineer Office, California Fruit Bldg., for construction of flood control levees on the American river, and it is suggested that prospective bidders might find it advisable to look over the ground before the arrival of the high water season. Those wishing to make such inspection should communicate with Major A. M. Barton, District Engineer, American River Flood Control District, 410 State Office Bldg., Sacramento. He will arrange to have a representative from his office accompany prospective bidders.

SACRAMENTO Cal.—Until Nov. 20, 3 P. M., under Circular Proposal No. 32-146, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to raise three sections of an existing levee along the easterly side of the Feather River between the "D" St. bridge, Marysville and the

Eliza Reid Pump House, a length of 7,950 ft. Project involves moving 30,000 cu. yds. Spec. No. 3828 - OGS. Specifications on file in office of Daily Pacific Builder.

SACRAMENTO, Cal.—Until Nov. 20, 3 P. M., under Circular Proposal No. 22-148, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to raise existing levee along the easterly side of Yolo Bypass in Reclamation District No. 327, 2.9 miles south of Elkhorn Station on the Sacramento - Woodland Railway. Project involves moving 227,000 cu. yds. Spec. No. 3863. Specifications on file in office of Daily Pacific Builder.

IRRIGATION PROJECTS

CALIFORNIA—Following permits to appropriate water were issued during the month of October, 1931, by the State Department of Public Works, Division of Water Rights, as announced by Edward Hyatt, state engineer:

Permit 3793, Application 6892 (Sutter County) Andrews C. H. Smith, Yuba City, for 1.10 c.f.s. from Feather River for irrigation of 81.65 acres. Est. cost, \$1500.

Per. 3794, App. 6394 (Stanislaus Co.) E. B. Henry, Route 3, Box 947, Modesto, for 0.70 c.f.s. from Tuolumne River, tributary of San Joaquin River, for domestic use and the irrigation of 58 acres. Est. cost \$1000.

Per. 3795, App. 6887 (Butte Co.) S. E. Lee, Box C, Biggs, 3.00 c.f.s. from Lateral "A" Reclamation District 333 tributary to Butte Creek and Sacramento River for the irrigation of 130.9 acres.

Per. 3796, App. 6905 (Butte Co.) California Mutual Building and Loan Association of San Jose, 14.78 c.f.s. from Lateral "A" Drainage Canal of Reclamation District No. 833, for the irrigation of 691.2 acres.

Per. 3797, App. 6999 (Eldorado Co.) R. P. Easley et al., Antioch, for 800 gallons per day from an unnamed stream tributary to south Fork of the American River, for domestic purposes at four lots. Est. cost \$500.

Per. 3798, App. 7028 (Eldorado Co.) L. R. Kinnear, 309 4th St., Antioch, for 200 gals. per day from an unnamed stream tributary to South Fork of the American River, for domestic purposes. Est. cost \$200.

Per. 3799, App. 7036 (Eldorado Co.) Geo. W. Harter and Mrs. W. W. Belshaw, Antioch, for 400 gals. per day from a spring tributary to south Fork American River, for domestic purposes.

Per. 3800, App. 6600 (Sierra Co.) E. L. Humphreys, care R. F. Taylor, Downsville, 25 c.f.s. from South Fork of North Fork of Yuba River, for mining purposes. Est. cost \$5000.

Per. 3801, App. 6877 (San Joaquin Co.) J. L. Blossom and F. M. Lamb, care Ohm & Raab, 109 Webster Ave., Stockton, for 15.15 c.f.s. from North Canal tributary to Middle Branch of San Joaquin River, for the irrigation of 121.6 acres. Est. cost \$14,000.

Per. 3802, App. 6933 (Sutter Co.) D. C. Smith, Meridian, 3.00 c.f.s. from Butte Slough, for the irrigation of 238 acres. Est. cost, \$1200.

Per. 3803, App. 6945 (Butte Co.) K. Jacobsen, Gridley, 3.00 c.f.s. from Main Drain of Reclamation District No. 2054 tributary to Sacramento River for the irrigation of 632 acres. Est. cost, \$300.

Per. 3804, App. 6978 (Trinity Co.) Edw. L. Schreckengost, Douglas City, 2.00 c.f.s. from Brown Creek tributary to Trinity River, for mining purposes. Est. cost \$500.

Per. 3805, App. 6996 (Plumas Co.) Wm. Rutherford, et al, care William

Rutherford, P. O. Box 288, Sacramento, for 0.10 c.f.s. and 9 acre feet from unnamed stream tributary to Middle Fork Feather River, for mining and domestic purposes.

Per. 3806, App. 7013 (Eldorado Co.) Edward J. Schneidmiller, 3555 Bolson Blvd. and Frank J. Murray, 640 35th St. Sacramento, 400 gals. per day from Bull Creek tributary to South Fork American River for domestic purposes.

Per. 3807, App. 6936 (San Joaquin Co.) O. C. Cutts, Stockton, 1.00 c.f.s. from San Joaquin River for the irrigation of 79 acres. Est. cost \$10,000.

Per. 3808, App. 7018 (Eldorado Co.) Mrs. B. M. Fountain, 2901 I St., Sacramento, 400 gals. per day from spring tributary to South Fork American River, for domestic purposes. Est. cost \$50.

Per. 3809, App. 6982 (Trinity Co.) Basil Proloff, Weaverville, 12.50 c.f.s. from Rush Creek tributary to Trinity River for mining and domestic purposes. Est. cost \$50.

Per. 3810, App. 6961 (Mono Co.) Rex M. Foster, Bridgeport, 0.11 c.f.s. from Spring Creek, tributary to Green Creek for power purposes. Est. cost \$25.

Per. 3811, App. 6946 (Trinity County) Trinity Placer Corp., Ltd., Los Angeles, 100 c.f.s. from Soldier Creek, Fork of Soldier Creek, tributary to Trinity River, for mining and domestic purposes.

CALIFORNIA — Following applications for permits to appropriate water filed during the month of October, 1931, with the State Department of Public Works, Division of Water Rights, are announced by Edward Hyatt, state engineer:

App. 7086 (Mendocino Co.) State of California, Department of Public Works, Division of Highways, 500 gallons per day from Unnamed Spring tributary to South Fork of Eel River for recreational purposes. Est. cost, \$250.

App. 7087 (Fresno Co.) I. S. Stedman, Secretary, P. O. Box 638, Selma, 5000 c. f. s. from San Joaquin river, tributary to San Francisco Bay for power purposes (145,000 hp.) Est. cost, 100,000.

App. 7088 (Shasta Co.) O. R. Smith, R. F. D. #1, Gerber, for 1000 acre-feet per annum from North Digger Creek tributary to Battle Creek, thence Sacramento River for irrigation and domestic purposes (622.5 acres). Est. cost, \$60.

App. 7089 (Ventura Co.) Evelyn Akin Robertson, Box 997, Ventura, 0.35 c. f. s. from Unnamed Spring tributary to Cuyama River for irrigation and domestic purposes (10 acres). Est. cost \$300.

App. 7090 (Calaveras Co.) Harry D. Thompson, # Virgil M. Airola, Attorney, Whitlock Bldg., San Andreas, 1000 gallons per day from Thompson Spring (developed by applicant) for irrigation and domestic purposes (1 acre). Est. cost, \$200.

App. 7091 (Humboldt Co.) John W. Berg, Weaverville, for 150 c. f. s. from Willow Creek tributary to Trinity River for mining purposes. Est. cost, \$150,000.

App. 7092 (El Dorado Co.) B. W. Stone, 161 Ellis St., San Francisco, for total of 500 c. f. s. and 125,000 acre-feet per annum from (1) Rubicon Creek (2) Pilot Creek (3) Gerle Creek (4) Loon Lake (5) Black Island Lake (6) Rock Island Lake (7) Little South Fork of Rubicon River tributary to American River Drainage for municipal purposes.

App. 7093 (Placer Co.) C. T. Horgen, 574 47th St., Oakland, 2 c. f. s. from unnamed stream tributary to Middle Fork of American River for irrigation and domestic purposes (160 acres). Est. cost \$500.

App. 7094 (Col. Norte Co.) H. L. Hawkins and Lee Brown, # H. L. Hawkins, 981 2nd St., Crescent City, 3 c. f. s. from Diamond Creek tributary to North Fork of Smith River for mining and domestic purposes. Est. cost, \$20.

App. 7095 (Mendocino Co.) W. M. Yorgason, Fort Bragg, for 4 miners inches from South Fork of Inner Creek tributary to Digger Creek, thence Pacific Ocean for irrigation and domestic purposes (by act).

App. 7096 (Placer Co.) Carrie A. Gladding, Lincoln, for 3 c. f. s. and 200 acre-feet per annum from Coon Creek tributary to Feather River for irrigation and domestic purposes (400 acres). Est. cost \$4,000.

App. 7097 (Mono Co.) Lucile E. Bogard, Hawthorne, Nevada, for 1.0 c. f. s. from Unnamed Springs tributary to Mono Lake for mining and domestic purposes.

App. 7098 (Mono Co.) Lucile E. Bogard, Hawthorne, Nevada, 1.0 c. f. s. from Unnamed Springs tributary to Mono Lake for mining and domestic purposes.

App. 7099 (Santa Clara Co.) Santa Clara Valley Water Conservation District, # Fred H. Tibbetts, Alaska Commercial Bldg., San Francisco, 200 c. f. s. and 60,000 acre-feet per annum from Coyote River, tributary to San Francisco Bay for irrigation and domestic purposes (133,000 acres). Est. cost \$1,500,000.

App. 7100 (Santa Clara Co.) Santa Clara Valley Water Conservation District, 30 c. f. s. and 9000 acre-feet per annum from Arroyo Colero River, tributary to Alamos Creek for irrigation and domestic purposes (133,000 acres). Est. cost \$380,000.

App. 7101 (Santa Clara Co.) Santa Clara Valley Water Conservation District, 30 c. f. s. and 2500 acre-feet per annum from Almaden Creek tributary to Alamos and Guadalupe Creek for irrigation and domestic purposes (133,000 acres).

App. 7102 (Santa Clara Co.) Santa Clara Valley Water Conservation District 45 c. f. s. and 100-acre feet per annum from Guadalupe Creek tributary to San Francisco Bay for irrigation and domestic purposes (133,000 acres). Est. cost, \$3,500.

App. 7103 (Santa Clara Co.) Santa Clara Valley Water Conservation District 50 c. f. s. and 3500 acre-feet per annum from Guadalupe Creek tributary to San Francisco Bay for irrigation and domestic purposes (133,000 acres). Est. cost, \$37,170.

App. 7104 (Santa Clara Co.) Santa Clara Valley Water Conservation District 50 c. f. s. and 400 acre-feet per annum from Stevens Creek tributary to San Francisco Bay for irrigation and domestic purposes (133,000 acres). Est. cost \$350,000.

App. 7105 (Siskiyou Co.) Harry D. Mattis, Costella, for 1.0 c. f. s. from Cold Creek, tributary to South Fork of Indian Creek for mining and domestic purposes. Est. cost \$20.

App. 7106 (Tuolumne Co.) United States — Stanislaus National Forest, Sonora, for (1) 360 acre-feet per annum from Lower Buck Lake; (2) 520 acre-feet per annum from Long Lake; (3) 160 acre-feet per annum from Emigrant Meadow Lake; (4) 1491 acre-feet per annum from Emigrant Lake; and (5) 460 acre-feet per annum from Bigelow Lake, tributary to Tuolumne River Watershed for maintenance of Fish Life and other recreational purposes.

App. 7107 (Los Angeles Co.) H. H. Townsend, 6039 Hollywood Blvd., Los Angeles, for 0.001 c. f. s. from Unnamed Spring tributary to Piru Creek for domestic and stock water purposes.

App. 7108 (Lake Co.) Elizabeth M. Robinson, & Chas. L. Gilmore, Attorneys, Capital National Bank Bldg., Sacramento, for 9.10 c. f. s. from Unnamed Spring tributary to Clerk Lake for irrigation and domestic purposes.

App. 7109 (Orange Co.) United States Cleveland National Forest, 210 Federal Bldg., San Diego, 0.003 c. f. s. from San Juan Creek tributary to Pacific Ocean for domestic purposes. Est. cost \$300.

STREET LIGHTING SYSTEMS

LOS ANGELES, Cal.—W. H. Rumble, 4607 Hines Ave., awarded contract by board of public works at \$28,881 for ornamental lighting system in La Brea Ave. bet. Washington and Exposition Bldgs.

LOS ANGELES, Cal.—W. H. Rumble, 1440 4th Ave., submitted low bid to board of public works at \$28,881 for ornamental lighting system in La Brea Ave. bet. Washington and Exposition Bldgs.

ALHAMBRA, Los Angeles Co., Cal.—The Austin-Western Road Machinery Co. and the Elgin Corp. submitted identical bids to city commission at \$7250 for furnishing the city a street sweeper.

OAKLAND, Cal.—City Imp. Co., 2055 Center St., Berkeley, at \$8,749 awarded contract by city council to construct ornamental electric street lighting system in a portion of 12th Street and in 14th Street extension and for a traffic signal conduit in 12th Street. Complete bids follow:

City Imp. Co. Berkeley.....	\$3,349
Alta Elec. Co., S. F.....	8,374
Butte Elec. & Equip. Co., S. F.....	8,765
H. C. Reid & Co., S. F.....	8,840
R. Flatland, Oakland.....	8,894
NePage-McKenny Co., S. F.....	9,987

MACHINERY AND EQUIPMENT

PASADENA, Los Angeles Co., Cal.—Until November 23, 11 A. M., bids will be received by city directors to furnish one street sweeper for street department. Specifications obtainable from city clerk, Bessie Chamberlain.

SACRAMENTO, Cal.—Until Nov. 23, 5 P. M., bids will be received by Chas. C. Hughes, secretary board of education, for the sale and delivery f.o.b. Sacramento, of vocational training equipment as follows:

- (1) Machine shop.
- (2) Wood working.
- (3) Auto mechanics.
- (4) Electrical.

Specifications obtainable from offices of Business Manager, School Administration Bldg., 21st and L Sts. Certified check 10% required with bids.

LOS ANGELES, Cal.—Until 12 M., November 18, bids will be received by county purchasing agent, H. E. Russell, 123 N. Broadway, for furnishing steel dies under Spec. No. 1956.

BERKELEY, Alameda Co., Calif.—Until November 17, 10 A. M., bids will be received by Florence E. Turner, city clerk, to furnish one truck, capacity 7000 lbs. for Garbage Dept. Previous bids, opened November 4, rejected by city council. Complete list of bids published in issue of November 5.

OAKLAND, Alameda Co., Cal.—Until Nov. 16th, 4:30 P. M., bids will be received by G. B. Hegardt, Secretary,

City Port Commission, Grove Street Pier for furnishing tractor elevating truck for stacking cotton.

RAILROADS

BOULDER CITY, Nev.—United Commercial Co., 837 E. Gage Ave., Los Angeles, awarded contract by Six Companies, Inc., for furnishing relay rails and accessories for approximately eight miles of railway under construction for an auxiliary part of the Hoover Dam construction.

FIRE EQUIPMENT

SAUSALITO, Marin Co., Cal.—J. F. Doyle and E. F. Dunphy awarded the contract by city trustees to furnish 700 ft. 1½-in. fire hose at 55c. ft. and 300 ft. 1½-in. hose at 37c. ft., same to be "Underwriter" as manufactured by B. F. Goodrich Company.

SAN FRANCISCO.—Until November 18, 10 A. M., under Circular No. 928-32-106, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver 600 ft. of 2-inch rubber lined fire hose; double cotton jacket, in 50-ft. lengths; each length to be complete with cast brass expansion ring couplings with Pacific Coast Standard thread.

RESERVOIRS AND DAMS

PASADENA, Los Angeles Co., Cal.—Pasadena Board of Directors has voted to call for bids for the excavation of abutments for the Pine Canyon Dam in San Gabriel Canyon. The directors adopted the contract method as more economical than day labor on a job of this size. The excavation to be bid on will amount to approximately 250,000 cu. yds. The dam, which is located in Pine Canyon, a tributary to San Gabriel Canyon, about four miles above Azusa, will be a gravity type structure, 265 ft. in height above stream bed, and 750 ft. in length across the top. It will impound approximately 40,000 acre feet. The total estimated cost is \$5,770,000. The plans, which have been approved by the state engineer, were prepared by Cecil E. Pearce of the city water department engineering force, under the direction of the chief engineer, Samuel B. Morris.

LOS ANGELES, Cal.—County supervisors will ask bids shortly for driving the outlet tunnel for the San Gabriel Dam No. 2, approximately 1000 lin. ft. of 16-ft. diameter tunnel, involving:

- (1) 6000 cu. yds. driving of untimbered tunnel complete;
- (2) 400 cu. yds. driving of timbered tunnel complete, including all costs of timbering;
- (3) 3400 cu. yds. excavation for open cut approaches at portals of tunnels.

LOS ANGELES, Cal.—The Los Angeles county supervisors have adopted a resolution ordering the county flood control engineer, E. C. Eaton, to prepare new plans and specifications for the proposed dam in Eaton Canyon, instructing him to prepare plans for an earth fill dam at the mouth of the canyon in place of the proposed concrete arch dam. The board's resolution stated that in accordance with the engineer's recommendation the concrete arch dam at the site is contrary to the best interests of the county. The board also ordered the transfer of unexpended balance remaining in fund voted for the original concrete arch dam, amounting to \$530,914.51, for the construction of the said earth fill dam.

SAN JOSE, Santa Clara Co., Cal.—City council will call for bids in about two weeks for the construction of the dam at Cherry Flat near Alum Rock Park. Plans were prepared by William Poppe, city engineer, and call for a dam of earth fill type with concrete core. The height will range from 50 to 55 feet with a width at the top of from 175-200 feet. It is estimated that the day will impound 530 acre feet. The city council has set aside \$60,000 for this project. Exploration work at the site is completed.

PIPE LINES, WELLS, ETC.

SAN FRANCISCO.—Berkeley Steel Construction Co., 2nd and Camella Sts., Berkeley, awarded contract by MacDonald & Kahn, Financial Center Bldg., to furnish steel pipe in connection with the Red Mountain Ear siphon project, unit bids on which were published in issue of Oct. 26.

SAN FRANCISCO.—Youldall Const. Co., Matson Bldg., San Francisco, at \$925,550.90 awarded contract by Board of Public Works to construct the Corral Hollow Pipe Line, Hetch Hetchy project. Complete list of bids published in issue of Nov. 6.

FAIR OAKS, Sacramento Co., Cal.—Western Pipe and Steel Co., 444 Market St., San Francisco, at \$3.03 ft. awarded contract by Fair Oaks Irrigation District, to furnish 2,000 ft. 30-in. 10-gauge riveted or welded steel slip joint slop proofed pipe. Other bids: W. B. and E. T. Shaw, Sacramento, \$3.04; Montague Pipe & Steel Co., San Francisco, \$3.21.

W. B. and E. T. Shaw, Sacramento, at \$3.94 ft. delivered at ditch, awarded contract to furnish 1,500 ft. 12-in. 12-gauge welded or riveted steel slop joint slop proofed pipe. Other bids: Western Pipe and Steel Co. San Francisco, \$3.98 del. at ditch; Montague Pipe and Steel Co., San Francisco, \$3.80 ft. delivered on cars.

SEWERS AND SEWAGE DISPOSAL PLANTS

GARBERVILLE, Humboldt Co., Cal.—County Engineer Frank Kelly has completed a survey for the construction of a sewage system to include Garberville and join a central septic tank. The purified waste will be used to sub-irrigate a ranch nearby. Est. cost, \$5000. A special bond issue will finance the project.

PALO ALTO, Santa Clara Co., Cal.—City Engineer J. F. Eyrbach, Jr., has submitted estimates of cost to the city council for the proposed new sewage system, including new mains, laterals, pumping plant and treatment plant. The total cost is placed at \$185,000, of which the city of Palo Alto will pay \$153,770 and Stanford University \$31,230. The city will probably hold a bond election in January to vote its share of the cost in the project.

SIGNAL HILL, Los Angeles Co., Cal.—A permit for the construction of the new sewage disposal plant, has been granted the city by the state board of health. Estimated cost \$70,000. It will be of the Imhoff tank type with sandfilter, located on the new site on 84th St., west of Junipero Ave. The city also plans a water purification system to treat the effluent so that it may be used for cooling purposes in refineries, etc. The estimated cost of the latter plant is \$6000. The collection system will be built later at a cost of \$40,000. Currie Engineering Co., Anderson Bldg.,

San Bernardino, designed the disposal plant.

LONG BEACH, Calif.—(By Special Wire)—Gogo and Rados, 10021 S. Figueroa St., Los Angeles, at \$724,862.70 submitted low bid to the city council November 6 to construct sewer in the North Long Beach Sewer District (Pump Sewer District No. 11). Proceedings under 1911 Act. The district embraces all of North Long Beach north of the Virginia County Club. The system will involve about 314,746 lin. ft. of sewer with necessary structures and pumping stations. The items are:

247,012 ft. 18-in. clay sewer;
17,590 ft. 12-in. vit. clay sewer;
2615 ft. 15-in. vit. clay sewer;
153 ft. 18-in. vit. clay sewer;
2745 ft. 21-in. vit. clay sewer;
4484 ft. 24-in. vit. clay sewer;
3266 ft. 27-in. vit. clay sewer;
2513 ft. 30-in. vit. clay sewer;
295 ft. 33-in. vit. clay sewer;
4184 ft. 24-in. centrifugally spun R. C. P.;

2580 ft. type B concr. backfill for 8-in. pipe;
16 ft. type A concr. backfill for 8-in. pipe;
60 ft. type A concr. backfill for 10-in. pipe;
87 ft. type A concr. backfill for 12-in. pipe;
6000 tons rock or gravel for sub-base
1088 type A standard manholes;
15 type C standard manholes;
39 type D standard manholes;
8 type E standard manholes;
one spillway junction chamber;
15 standard lampholes;
95,585 ft. 6-in. vit. connecting sewer;
one pumping station, including two 6-in. and one 8-in. pump, the total requirements being 600 G. P. M.

MESA, Ariz.—Arizona Concrete Co., Phoenix, awarded contract by city council at \$41,004.84 to construct sewer system using cement pipe and brick structures.

SAN FRANCISCO—Bureau of Engineering, Department of Public Works, complete specifications to construct sewer in Peabody St., south from Sunnydale Ave.; estimated cost \$1170. Project involves:

- (1) 256 ft. 8-in. V.C.P. sewer;
- (2) 14 8x6-in. Y or T branches;
- (3) 72 ft. 6-in. V.C.P. side sewers;
- (4) 1 brick manhole.

LOS ANGELES, Cal.—Until 10 A. M., Nov. 25, new bids will be received by Board of Public Works for constructing sewers in Manning Ave. and La Conte Ave. Sewer District, involving:

- (1) sewer complete, involving 11,458.52 ft. 8-in. cement pipe; 2 drop manholes "S", 30 manholes "B", 2 junction chambers "F", one junction chamber "H", one junction chamber "G", 10 flushing manholes "E", one flushing structure No. 2, 6 lampholes "X", 47 manhole frame and cover sets, 100 lin. ft. concr. reinf., type "X", 180 lin. ft. concr. reinf., type "Z";
 - (2) 8182 ft. 6-in. house sewers;
 - (3) 36,843 sq. ft. class A resurfacing.
- Average depth of structures, 8.7 ft. Previous bids were opened Sept. 30. The contract previously awarded was reindented Nov. 6.

LOS ANGELES, Cal.—Magenovich & Gillespie, 1032 W. 73rd St., Los Angeles, awarded contract by board of public works Nov. 6 at \$35,198.25 to construct sewers in Loring Ave., bet. Bainbridge and Warnes Avenues; 1911 Act, involving 132 ft. 8-in. C. I. sewer, 22,983.35 ft. 6-in. cement pipe sewer; 65 manholes "B", 14 junction chambers

"F", one junction chamber "G", 4 junction chambers "H", one drop manhole "S", 14 flushing manholes "E", 12 lampholes "X", 2 flushing structures No. 2, 101 manhole frame and cover sets; 10,461 ft. 6-in. house sewers; resurfacing, etc.

WATER WORKS

OAKLAND, Cal.—Oakland Plumbing & Supply Co., 4th and Harrison Sts., at \$5210 (3,1042 lin ft.) awarded contract by East Bay Municipal Utility District to furnish approximately 50,000 lin ft. 3/4-in. seamless copper tubing. Complete unit bids published in issue of October 30.

OAKLAND, Cal.—Rensselaer Valve Co., 55 New Montgomery St., San Francisco, at \$9220 awarded contract by East Bay Municipal Utility District for purchase and delivery of valves. Complete unit and total bids published in issue of October 31.

OAKLAND, Calif.—Berkeley Steel Const. Co., Inc., 2nd and Camella Sts., Berkeley, at \$1502 for one and \$1520 for the other, submitted low bids to East Bay Municipal Utility District to furnish and erect two 16,000-gal. steel storage tanks for the Lafayette Distribution System. Complete bids follow:

- Berkeley Steel Const. Co., Berkeley, (1) \$1502 (2) \$1520.
California Steel Prod. Co., San Francisco, (1) \$1569 (2) \$1569.
Steel Tank & Pipe Co., Berkeley, (1) \$1775 (2) \$1775.
Boiler Tank & Pipe Co., Oakland, (1) \$1925 (2) \$1925.
Bids held under advisement.

BAKERSFIELD, Kern Co., Calif.—Plans for municipal operation of water, gas and power utilities are being studied by City Manager W. D. Clarke. The city council has authorized employment of an engineer to make a survey of the local gas system with a view to seeking reduced rates from the privately-owned utility and of the advantage of municipal ownership. The city manager has already completed investigation of Fresno municipal water works plant and proposes to make additional investigations in surrounding cities.

BAKERSFIELD, Kern Co., Cal.—Architect E. J. Symmes, 211 Haberfelde Bldg., Bakersfield, has been commissioned by the Kern county supervisors to prepare plans and specifications for relaying water pipe lines in the Kern County General Hospital.

SACRAMENTO, Cal.—Campbell Construction Co., 800 R Street, Sacramento at \$379,747 awarded contract by city commission to construct the sedimentation unit in connection with the Municipal Filtration Plant. Complete bids published in issue of October 30.

FRESNO, Fresno Co., Cal.—As previously reported, bids will be received by D. M. Earnwell, county clerk, to construct the San Joaquin River Pumping Plant and Pipe Line for the Wish-Iah Sanatorium. Project involves:

- 1 deep well turbine pump, 100 gallons per minute capacity against a head of 120 ft., suction column 30 ft.
- 1 booster pump, 100 gals. per minute capacity against a head of approximately 1200 ft., with motor and complete equipment. Approximately \$280 lin. ft. of discharge pipe line to reservoir; 4-in. internal diameter, of sufficient strength to withstand approximately 1200 foot head plus impact.

Certified check 10% payable to the

county required with bid. Plans obtainable from Chris P. Jensen, county surveyor, 231 Hall Bldg., Fresno.

NORTH SACRAMENTO, Sacramento Co., Cal.—L. S. Bush, chief engineer of the Fire Underwriters, following up the preliminary report of City Engineer C. L. Knight in connection with the construction of a municipal water system, recommends installation of a 75,000-gallon elevated steel tank in lieu of a pressure tank and possibly an additional well.

PANAMA CANAL ZONE.—Until 11 December 10, 10:30 A. M., under Schedule No. 2698, bids will be received by General Purchasing Officer, Panama Canal, Washington, D. C., for plate steel penstocks and outlet pipes for the Madden Dam Power Plant. Specifications on file in office of Assistant Purchasing Agent at Fort Mason, San Francisco.

GLENDALE, Los Angeles Co., Cal.—Until 10 A. M., Nov. 19, bids will be received by the Glendale city council for 22 tons of bell and spigot cast iron fittings in accordance with specifications which may be obtained from the public service department, 6th floor, Public Service Bldg., 120 N. Howard St. P. Diederich, plant superintendent.

LOS ANGELES, Cal.—Until 11 A. M., November 17, bids will be received by the Los Angeles city purchasing agent, Thomas Oughton, for furnishing liquid chlorine for a period of one year from date of contract, under Specification No. 2650. Estimated quantity required is 400,000 pounds.

ARCADIA, Los Angeles Co., Cal.—Until 8 p. m., November 17 (previously reported November 19), bids will be received by the Arcadia city council for furnishing and delivering at the city pumping plant cast iron pipe as follows:

- (1) 250 ft. 6-in. pipe, class 150 or equal;
- (2) 2500 ft. 8-in. pipe, class 150 or equal.

Bidder to state time of delivery and specifications. Certified check for 10 per cent. G. G. Meade, city clerk.

ALAMEDA, Alameda Co., Cal.—Bids will be received in the immediate future by the U. S. Bureau of Public Roads, 461 Market St., San Francisco, for the installation of a water system in connection with the Government Island Project, involving in the main:

- (1) Installation of water system: 1450 ft. remove and salvage 6-in. pipe; 1600 ft. recondition 6-in. steel pipe, second hand;
- 8000 ft. dip and wrap new and second-hand steel pipe;
- 13 new 6-in. gate valves;
- 800 ft. lay 6-in. gate valves;
- 7 new 6-in. hydrants L's;
- 20 recondition and install fire hydrants 210 ft. new 2 1/2-in. galv. wrought iron pipe;
- 400 ft. new 3-in. galv. wrought iron pipe;
- 8 new 2 1/2-in. hose gate valves;
- 8 new 3-in. gate valves;
- 4 3-in. water meters;
- 520 ft. lay 2 1/2-in. and 3-in. services;
- (2) Furnishing 6200 ft. 6-in. copper bearing steel pipe.

AGNEW, Santa Clara Co., Calif.—J. F. Shepherd, First National Bank Bldg., Stockton, at \$22,900 submitted low bid to State Department of Public Works, Division of Architecture, Public Works Bldg., Sacramento, to erect water tower at Agnew State Hospital. Will have reinforced concrete foundations, floors and walls,

160,000-gallon steel tank; wood roof construction and tile roof. Following is a complete list of the bids received:

J. P. Shephard, Stockton.....	\$22,300
Minton Co., Palo Alto.....	25,122
A. Nelson, San Francisco.....	25,236
Neves & Harp, Santa Clara.....	26,493
J. S. Hannah, San Francisco.....	30,750

Bids held under advisement.

BREA, Orange Co., Cal.—Until 7:30 p. m., December 2, bids will be received by city council for cast iron pipe and fittings as follows:

(a) Ten thousand (10,000) feet of four (4) inch cast iron pipe class 150 (B).

Thirty-five hundred (3,500) feet of six (6) inch cast iron pipe class 150 (B).

- 1 6x4x6 tees.
- 8 6x6x4 tees.
- 1 6x4 reducer.
- 24 4x4x4 tees.
- 2 90 degree elbows, 4-Inch.
- 2 45 degree elbows, 4-Inch.

All materials to be delivered to the nearest railroad or water terminal in the city of Brea, f. o. b. Early delivery of material purchased will be a factor in accepting bid. Certified check or bond, 5%. Grace L. May, city clerk.

SANTA CRUZ, Santa Cruz Co., Cal.—City council authorizes 800 ft. 4-in. water pipe connection in North Seventh Ave. Estimated cost \$450. Roy Fowler, city engineer.

PLAYGROUNDS & PARKS

ALAMEDA, Alameda Co., Calif.—Hutchinson Co., 1450 Harrison Street, Oakland, at \$870.73 submitted low bid to city council to resurface three tennis courts at Washington Park, involving 17,707 sq. ft. with two propositions:

- (A) cold mastic emulsified asphalt.
 - (B) lay-cold wearing surface.
- Complete list of bids follows:
- | |
|--|
| Hutchinson Co., Oakland, (A) \$870.-74 (B) \$870.73 (\$0.09 sq. ft.) |
| Malott & Peterson, San Francisco, (A) \$1224 (B) no bid. |
| P. M. Henning, Oakland, (A) \$1256 (B) \$1256. |

Bids held under advisement.

WHITTIER, Los Angeles Co., Cal.—An election will be held November 24 to vote on a \$285,000 bond issue for park purposes. Debbie E. Allen, city clerk.

STREETS AND HIGHWAYS

SAN FRANCISCO—Bureau of Engineering, Department of Public Works, completes specifications to improve crossing of Bronte and Jarboe avenue; estimated cost \$750. Project involves:

- (1) 250 cu. yds. excavation;
- (2) 56 lin. ft. curbs;
- (3) 211 sq. ft. 1-course concrete sidewalks;
- (4) 1,762 sq. ft. asphalt concrete pavement.

LONG BEACH, Cal.—Sully-Miller Contracting Co., 1500 7th St., Long Beach, awarded contract by city council at \$31,435 to improve Hulet St. and other streets, involving: 18,917 ft. curb; 939.29 ft. curb armor; 92,642.52 sq. ft. walks; water services; water mains, etc.

SANTA BARBARA, Cal.—City council will ask bids about November 19 to improve Alameda Padre Serra, bet. Los Olivos St. extension and Moreno Road, involving removal of pavement, curb, gutter, etc., and construction of cem. cone, base and asphalt. conc. surf. pavement, cem. conc. base and sheet asphalt, surf., asphalt seal coat, curb and gutter, curb, drive-

ways, catchbasins, 12-in. corr. iron drain pipes, King Ferronite cast metal ornamental lighting standards, etc. 1911 Act. E. B. Brown, city engineer.

UKIAH, Mendocino Co., Calif.—J. A. Barton, Mendocino County, at \$30 cu. yd., awarded contract by county supervisors to construct Section 1 of the Union Landing Road between San Juan Creek and Union Landing, involving 20,000 cu. yds. unclassified excavation. Complete bids follow:

J. A. Barton, Mendocino Co.....	\$30
H. H. Boomer, San Francisco.....	35
McClure & Chamberlain, S. F.....	39
Peter McHugh, S. F.....	548

REDONDO BEACH, Los Angeles Co., Cal.—Griffith Co., 502 L. A. Railway Bldg., Los Angeles, awarded contract by city council at \$34,820.82 to improve Vincent St., from Susana Ave. to Broadway, and portions of other streets. The award was made on the basis of omitting the bridge. Project involves:

- (1) 404,255 sq. ft. grading and preparing sub-grade;
- (2) 198,365 sq. ft. 5-in. asphalt concrete pavement (3-in. base, 2-in. wearing surface);
- (3) 23,788 sq. ft. 2-in. asphaltic macadam;
- (4) 9200 ft. combined conc. curb and gutter;
- (5) 2700 sq. ft. concrete gutter;
- (6) 1200 sq. ft. concrete walk;
- (7) 120 ft. type A part circle culvert, complete;
- (8) 55 ft. 18-in. vit. clay pipe, in place;
- (9) 10 ft. 12-in. vit. clay pipe in place;
- (10) 3 class A concrete drainage structures, complete;
- (11) 88 cu. yds. class A reinf. concrete retaining wall.

VENTURA, Ventura Co., Cal.—City council plans election to vote \$100,000 bond issue to provide city aid in the proposed Meta St. cutoff. The state is to finance the greater part of this work which will cost \$750,000.

BERKELEY, Alameda Co., Cal.—Until November 17, 10 A. M., bids will be received by Florence E. Turner, city clerk, to repave a portion of the intersection of Grove St. and Allston Way and constructing a storm drain in Grove Street from Allston Way northerly. Certified check 10% payable to city required with bid. Plans obtainable from city engineer on deposit of \$10, returnable.

SAN DIEGO, Cal.—Until Nov. 25, 11 A. M., under Spec. No. 6664, bids will be received by Public Works Officer, 11th Naval District, for paving and drainage at the Naval Operating Base (Air Station), San Diego. The work will consist in general of the excavation and grading for, and the provision and installation of (a) one-course cement concrete pavement 5 in. total thickness; (b) two-course cement sidewalks, 4 in. total thickness; (c) a drainage system for the paved area and vicinity (pipe sizes will range from 6 to 30 inches in diameter); (d) sections of 4 inch diameter cast iron water pipe mains; (e) additional electrical conduits between existing manholes and between existing manholes and hangar buildings. Plans obtainable from Public Works Officer on deposit of \$10, returnable, checks for same to be made payable to the Chief of the Bureau of Yards and Docks.

SAN DIEGO COUNTY, Calif.—E. G. Carrall, San Diego, at \$37,480 awarded contract by State Highway Commission to grade and pave with Portland

cement concrete 0.6 mile between Del Mar and Solano Beach. Complete unit and total bids appear in issue of Oct. 30.

SHASTA COUNTY, Cal.—Until Nov. 16, 2 P. M., bids will be received by H. S. Comly, district engineer, State Highway Commission, Redding, to furnish in stockpile 2,000 cubic yards of crushed gravel or stone screenings between Montgomery Creek and Burney.

SAN LEANDRO, Alameda Co., Cal.—Lee J. Immel, 1031 Evelyn St., Berkeley, at \$19 cu. yd., awarded contract by city council to grade Park Street from northwesterly line of city to northwesterly line of Davis St. to a width of 60 ft., involving 6,630 cu. yds. Complete list of bids follows:

Lee J. Immel, Berkeley.....	\$19
A. J. & L. Fairbanks, S. F.....	27
U. B. Lee, San Leandro.....	463
Frank Lopes, San Leandro.....	467
M. J. Bevanda, Stockton.....	60

SAN LEANDRO, Alameda Co., Cal.—U. B. Lee, 1059 Carpenter St., San Leandro, at \$318 cu. yd., awarded contract by city council to grade Dowling Blvd. from easterly line of Mitchell Ave. to westerly line of Le Bon Tract, Unit No. 1 to a width of 40 ft., involving 2,317 cu. yds. Complete list of bids follows:

U. B. Lee, San Leandro.....	\$318
Lee J. Immel, Berkeley.....	34
M. J. Bevanda, Stockton.....	63
Frank Lopes, San Leandro.....	70

SAN FRANCISCO—Eaton & Smith, 715 Ocean Ave., San Francisco, at \$18,472.50 awarded contract by the Board of Public Works to improve Hyde St. between Chestnut and Bay Sts., involving in the main:

- 1000 cu. yds. excavation;
- 1800 sq. ft. 4-in. macadam sidewalks;
- 2500 sq. ft. 8-in. waterbound macadam pavement;
- 63,000 lbs. bar reinforcing steel;
- 18,390 sq. ft. 6-in. E concrete pave.

Complete total and unit bids published in issue of October 29.

SANTA MARIA, Santa Barbara Co., Cal.—No bids were submitted to the Santa Maria city council Nov. 10 to improve portions of Alvin Ave., Benewick Ave., Thomburg St., Miller and other streets, with rock and oil paving. The work will be done by day labor under the direction of York Peterson, city engineer.

PASADENA, Los Angeles Co., Cal.—Proceedings to improve Marengo Ave. bet. Green St. and Del Mar St. have been started by the Pasadena board of directors. Project involves:

- (1) 3419 cu. yds. grading;
- (2) 59,500 sq. ft. 5-in. concrete base;
- (3) 59,500 sq. ft. 2-in. Amiesite surf;
- (4) 2674 ft. curb;
- (5) 22,390 sq. ft. walk;
- (6) 2596 sq. ft. concrete driveway;
- (7) 263 sq. ft. gutter;
- (8) sewer system;
- (9) ornamental light system.

Est. cost \$39,671.80. Bids will be called in about 90 days.

FULLERTON, Orange Co., Calif.—City council will ask bids about Nov. 17 to improve Spadra Road and Whittier Blvd. from Pacific Electric Ry. to north city limits. Project involves:

- 19,372 cu. yds. grading;
- 19,372 cu. yds. 12-in. vit. concrete curb;
- 368,296 sq. ft. 6-in. asphalt paving;
- 267,800 sq. ft. asphalt. conc. surfacing;
- 378 lin. ft. pipe culverts.

The work is to be done under the 1925 Improvement Act. The estimated cost is \$138,505. C. M. Thorpe, city engineer.

SAN FRANCISCO—Bureau of Engineering, Dept. of Public Works, completes specifications to improve 18th St. between De Haro and Rhode Island Streets; estimated cost \$370. Project involves:

- (1) 50 lin. ft. curbs;
- (2) 42 lin. ft. 6-in. V.C.P. side sewer;
- (3) 1,050 sq. ft. 6-in. Class E concrete pavement.

SAN FRANCISCO—Bureau of Engineering, Dept. of Public Works, completes specifications to improve crossing of 37th Ave. and Rivera St.; estimated cost \$2,500. Project involves:

- (1) 700 cu. yds. excavation;
- (2) 94 cu. yd. unarmored concrete curb;
- (3) 660 sq. ft. 1-course concrete side-walk;
- (4) 3 brick catchbasins;
- (5) 105 ft. 10-in. V.C.P. sewer;
- (6) 80 ft. 8-in. do;
- (7) 70 ft. 15-in. do;
- (8) 20 ft. 18-in. do;
- (9) 1 brick manhole;
- (10) 4,893 sq. ft. asphalt concrete pavement.

SAN FRANCISCO—Bureau of Engineering, Dept. of Public Works, completes specifications to improve Rousseau St. bet. the Bernal Cut and Bosworth St.; estimated cost, \$1,700. Project involves:

- (1) 100 cu. yds. excavation;
- (2) 155 ft. V.C.P. sewer;
- (3) 24 ft. V.C.P. side sewer;
- (4) 3 8x6-in. Y or T branches;
- (5) 3,864 sq. ft. 6-in. Class E concrete pavement.

SACRAMENTO, Cal.—Until Nov. 17, 3 P. M., under Circular Proposal No. 32-140, Specifications No. 3887—OGS, bids will be received by U. S. Engineer Office, California Fruit Bldg., for grading and providing a bituminous surface to a roadway, approximately 600 ft. long, in Yolo County, about ¼ mile west of the westerly end of the M Street Bridge, Sacramento, over the hydraulic dredge fill recently made by the U. S. Engineer Department. Project involves:

- (1) 350 cu. yds. grading;
- (2) 16 bbls. heavy fuel oil;
- (3) 18 bbls. asphaltic road oil;
- (4) 40 cu. yds. screenings.

SAN FRANCISCO—Bureau of Engineering, Dept. of Public Works, completes specifications to improve crossing of 37th Ave. and Moraga St.; estimated cost \$2,500. Project involves:

- (1) 94 cu. yd. unarmored concrete curb;
- (2) 660 sq. ft. 1-course concrete side-walks;
- (3) 3 brick catchbasins;
- (4) 105 lin. ft. 10-in. V.C.P. culvert;
- (5) 80 lin. ft. 8-in. V.C.P. sewer;
- (6) 70 lin. ft. 18-in. V.C.P. sewer;
- (7) 1 brick manhole;
- (8) 4,893 sq. ft. asphalt. conc. pave.

SAN FRANCISCO—Bureau of Engineering, Dept. of Public Works, completes specifications to construct 5,000 sq. ft. artificial stone sidewalks in portions of Van Ness Ave., Commercial St., Compton Place, Powell and other streets.

SAN DIEGO, Cal.—Until Nov. 19, 11 A. M., under Specification No. 6473, bids will be received by Public Works Officer, Eleventh Naval District, for drains and concrete pavement at the Naval Operating Base (Air Station). The work will consist of the finished grading and the paving of concrete road with Portland cement concrete 6 inches thick laid in one course, with standard and trucking curbs; also storm water drains, concrete inlets and brick manholes. Plans obtainable from Public Works Officer on deposit of \$10, returnable, checks for same to

be made payable to the Chief of the Bureau of Yards and Docks.

BUSINESS OPPORTUNITIES

Names and addresses of persons or firms concerned in the following opportunities will be furnished on request to Business Opportunity, Department, Daily Pacific Builder, 547 Mission St., San Francisco, or phone GARfield 8744:

2197—Representation. (Athens, Greece. Party wishes to be appointed manufacturer's agent and representative for miscellaneous commodities such as hardware, glassware, etc.

21499—Representation. New York City. Party with experience in Australia, New Zealand, England and Europe, is interested in representing exporters of radios and electrical equipment.

22150—Surveys. Buenos Aires, Argentina. Firm engaged in making industrial surveys wishes to contact firms interested in expanding to Argentina.

21502—Representation. Mexico City. Party established in Mexico, leaving the middle of November for this country, wishes to represent local manufacturers there.

Ted Elstrand, Sales Manager, American Desk Manufacturing Co., Temple, Texas, manufacturers of complete line of school room equipment desire to secure distributor.

G. E. Rosenwald, 1605 E. Madison Ave., Seattle, Wash., has facilities for representing local concerns in the Northwest.

L. P. Hamilton, Director of Sales, Automatic Control Co., 1217 Spring Garden St., Philadelphia, Penn., manufacturers of automatic heat control wishes to secure distributors.

Jacob J. Klein, 5435 Locust St., Philadelphia, Pa., has facilities for representing local concern.

V. W. Lessenhop, G. F. Lennep & Sons, Inc., Lincoln, Neb., has facilities for representing local firm.

Wm. Krenz, Toledo Thur-O-Burn Co., 3426 Anderson Parkway, Toledo, Ohio, manufacturers of gas fired garbage burner wishes to secure representation.

George Stoloff, Safety Gas Lighter Corp., Marine Bldg., Philadelphia, Pa., manufacturers of safety gas lighter, wishes to secure local distributor. Dan C. Freeman, Oregon Manufacturers Association, 211 Oregon Bldg., Portland, Ore., manufacturers of broom handle wishes to appoint San Francisco jobber or distributor.

By a sweeping majority, the new unemployment relief plan offered to employees of the General Electric Company has been accepted by them. President Gerard Swope announced October 28 when a tabulation of the votes showed that 89.5 per cent of those employees eligible to vote had cast their ballots and that 97 per cent of these ballots favored adoption of the plan.

The total number of eligibles is slightly more than 39,000. These are employees who are members of the original and basic unemployment pension plan adopted by employee vote August 1, 1930. The number of votes cast thus far for the new plan is approximately 35,000. Voting continued until November 1 to permit participation by employees who were absent for one or another reason. The result, however, is now assured as the new plan already has the support of 87 per cent of the total body of eligible employees.

The plan provides for rotation of available work and other means by which hourly-rated and piecework employees on the payroll November 1 may be assured of reworking, during the following six months, not less than the equivalent of one-half of their average full-time weekly earnings up to an average of \$15 per week, and their actual earnings in case the latter amount to more than \$15 per week.

The unemployment emergency fund of the company, to which those employees earning 50 per cent or more of their average full-time earnings (including all office, administrative and executive employees and officials of the company) now contribute one per cent of their earnings will be augmented by increasing this contribution to two per cent, the company contributing an equal amount. The plan has been approved in principle by the board of directors, and in case these provisions prove inadequate, the board will be asked to authorize additional payments to the fund by the company, without additional payments by employees.

The Amtorg Trading Corporation has issued a statement denying reports that it had received instructions from its clients in the Soviet Union to request extensions on any obligations of the Amtorg falling due in the future. These inquiries, the company declares, were prompted by rumors, emanating from Germany and printed in the press, to the effect that the suspension of payments on Soviet commercial debts is imminent.

Under the caption "Baseless Rumors," the Amtorg Corp. issued the following statement:

"The Amtorg Trading Corporation, as well as all other organizations acting on behalf of industrial and trading bodies in the Soviet Union, intends to meet all obligations promptly, as it has invariably done in the past. No extensions or moratoriums will be sought. In making this statement, the Amtorg Trading Corporation calls attention to the reported assertion of the German Foreign Office that stories to the effect that negotiations are being carried on for the extension of Soviet bills are 'completely false.'"

"The planned and regulated nature of Soviet foreign trade guarantees that provision is made for the meeting of all obligations entered into. The setting up of adequate reserves enables the Soviet foreign trade organizations to meet all such contingencies as drop in prices, etc. It should be noted that the unfavorable trade balance incurred by the Soviet Union in its foreign trade so far this year does not signify a corresponding situation in the balance of payments, inasmuch as large long-term credits have been extended by Germany and other European countries. Many of the orders placed under these credits no initial cash payments are required until after a period of more than a year from the date of delivery of the goods."

Suit for infringement of patent brought against Jas. P. Marsh & Company, manufacturers of heating systems, by the C. A. Dunham Company, which has been pending for three years in the United States District Court at Chicago, has been dismissed by consent of counsel. It is announced. Products of Jas. P. Marsh & Company, which is a division of the Commercial Instrument Corporation, are also manufactured in Canada and marketed throughout that Dominion and Great Britain by the Jas. Morrison Brass Manufacturing Co., Ltd., of Toronto, Ont.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
1617	Westerlund	Owner	5000
1618	Letegier	Owner	4000
1619	Armanasco	Owner	7500
1620	Evers	Owner	4000
1621	Jacobs	Owner	18000
1622	Orginos	Callaghan	1000
1623	Mariani	Carraro	4295
1624	Faust	Lindgren	5000
1625	Priolo	Owner	3000
1626	Nelson	Owner	3500
1627	Herzig	Owner	3000
1628	Janssen	Owner	3500
1629	Smith	Hart	3500
1630	Franza	Owner	3500
1631	Standard	Owner	3750
1632	Doelger	Owner	3500
1633	Shasta	Owner	1575
1634	Doelger	Owner	3900
1635	Graff	Doelger	5000
1636	Christensen	Owner	7000
1637	Standard	Owner	15000
1638	Allen	Owner	2500
1639	Magrath	Meadowcroft	4000
1640	Johnson	Owner	10000
1641	Ross	Owner	25000
1642	Donahue	Ruegg	5000
1643	Martinoni	Owner	3000

DWELLING

(1617) **FW SAN ALISO AVE 332 N Upland Dr.** One-story and basement frame dwelling.
Owner—J. V. Westerlund, 2355 28th Ave., San Francisco.
Plans by Owner. \$5000

DWELLING

(1618) **W TWENTY - EIGHTH AVE 125 N Judah.** One-story and basement frame dwelling.
Owner—J. Leregen, 176 4th St., San Francisco.
Plans by Owner. \$4000

APARTMENTS

(1619) **NW GREEN AND CASTLE.** Two-story and basement frame (4) apartments.
Owner—G. Armanasco, 290 Green St., San Francisco.
Architect—L. Dallarsco, 32 Jansen St., San Francisco. \$7500

DWELLING

(1620) **E SEVENTEENTH AVE 225 N Wawona.** One-story and basement frame dwelling.
Owner—K. Evers, 2601 17th Ave., San Francisco.
Plans by Owner. \$4000

DWELLINGS

(1621) **W SEVENTH AVE 137 N Moraga.** Six one-story and basement frame dwellings.
Owner—A. F. Jacobs, 105 Montgomery St., San Francisco.
Architect—Not Given. \$3000 each

REPAIRS

(1622) **646 ASHBURY ST.** repair fire damage to flats.
Owner—Mr. Orginos, 270 Frederick St.
Architect—Not Given.
Contractor—J. Callaghan, 900 Clayton Street. \$1000

ALTERATIONS

(1623) **S 24th 40 E Florida;** general alterations to stores.
Owner—Mrs. V. Mariani, 2879 23rd.
Architect—C. Fantoni, 550 Montgomery St.

Contractor—G. Carraro & Sons, 750 Fulton St. \$4295

ADDITION

(1624) **30 LIBERTY ST.;** addition to apartments.
Owner—E. Faust, 30 Liberty St.
Plans by D. E. Jaekle, Call Bldg.
Contractor—F. Lindgren, 77 Ramona Avenue. \$5000

DWELLING

(1625) **NE COR. CARRIE and Wilder;** one-story and basement frame dwelling.
Owner—P. Priolo, 732 Chenery St.
Plans by B. K. Dobkowitz, 425 Monterey Blvd. \$3000

DWELLING

(1626) **W 21st AVE 80 N Ocean Ave;** one-story and basement frame dwelling.
Owner—F. Nelson & Sons, 19th and Sloat Aves.
Plans by Owner. \$3500

DWELLING

(1627) **SE COR ULLOA and 32nd Ave;** one-story and basement frame dwelling.
Owner—A. J. Herzig.
Plans by D. E. Jaekle, Call Bldg. \$3000

DWELLING

(1628) **N BEACH 100 E Webster St.;** one-story and basement frame dwelling.
Owner—E. A. Janssen, 811 Hearst Building.
Plans by Owner. \$3500

DWELLING

(1629) **W 45th AVE 125 N Santiago;** one-story and basement frame dwelling.
Owner—P. A. Smith Co., 626 4th St.
Plans by Owner.
Contractor—E. G. Hart, 666 Mission Street. \$3800

DWELLING

(1630) **NW HIGHLAND AVE AND Andover.** One-story and basement frame dwelling.
Owner—S. Franza, 608 Andover St., San Francisco.
Architect—Not Given. \$3500

DWELLING

(1631) **N SLOAT BLVD. 795 E Nineteenth Ave.** One-story and basement frame dwelling.
Owner—Standard Bldg. Co., 218 Castenada Ave., San Francisco.
Plans by Owner. \$3750

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - - California

DWELLING

(1632) **E FORTIETH AVE 250 S Taraval.** One-story and basement frame dwelling.
Owner—H. Doelger, 300 Judah St., San Francisco.
Architect—Not Given. \$3500

ALTERATIONS

(1633) **NO. 699 BRANNAN ST.** Alter warehouse and office.
Owner—Shasta Water Co., 699 Brannan St., San Francisco.
Architect—Not Given. \$1575

DWELLING

(1634) **E ELEVENTH AVE 100 S Lawton St.** One-story and basement frame dwelling.
Owner—H. Doelger, 300 Judah St., San Francisco.
Architect—Not Given. \$3900

DWELLING

(1635) **E FOURTH AVE 125 S Irving** One-story and basement frame dwelling.
Owner—W. Garff, 300 Judah St., San Francisco.
Architect—Not Given.
Contractor—H. Doelger, 300 Judah St., San Francisco. \$5000

DWELLINGS

(1636) **W TWENTY-SIXTH AVE 150 S Kirkham.** Two one-story and basement frame dwellings.
Owner—H. Christensen, 1422 27th Ave., San Francisco.
Plans by Owner. \$3500 each

DWELLINGS

(1637) **N SLOAT BLVD. 571 E 19th Ave.** Four one-story and basement frame dwellings.
Owner—Standard Bldg. Co., 218 Castenada St., San Francisco.
Plans by Owner. \$3750 each

DWELLING

(1638) **SW GIRARD 125 NW Olmstead.** One-story frame dwelling.
Owner—C. N. Allen, 660 Chenery St., San Francisco.
Architect—Not Given. \$2500

DWELLING

(1639) **N KIRKHAM 32 W Twenty-fourth Ave.** One-story and basement frame dwelling.
Owner—Miss M. Magrath, 1144 Paloma Ave., Burlingame.
Plans by Contractor.
Contractor—F. E. Meadowcroft, 1549 25th Ave., San Francisco. \$4000

FLATS

(1640) **S JEFFERSON 155 W Webster.** Two-story and basement frame (2) flats.
Owner—P. Johnson, 225 Lincoln Way, San Francisco.
Architect—Not Given. \$10,000

ALTERATIONS

(1641) **NO. 5424 GEARY.** New front and tower for restaurant.
Owner—M. Ross, Premises.
Architect—R. R. Irvine, 747 Call Bldg., San Francisco.
Engineer—F. W. Kellberg, 544 Market St., San Francisco. \$25,000

DWELLING

(1642) **NE SUNNYDALE AND Desmond.** One-story and basement frame dwelling.

Owner—H. E. Donohue, 3956 20th St., San Francisco.
Plans by Contractor.
Contractor—Ituegg Co., 369 Pine St., San Francisco. \$5000

ALTERATIONS

(1643) W JONES ALLEY 81 N Washington, Alter studios.
Owner—E. Martindale, 714 Montgomery St., San Francisco.
Architect—J. Zanolini, 604 Montgomery St., San Francisco. \$3000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Am't.
249	Western	Barrett	5294
250	Mariani	Carraro	4225
251	War Memorial	Spencer	84492
252	Same	Elsie	56869
253	Same	American	57959
254	S P	S F Elevator	1595
156	Regents	Mauver	11463
255	Berkely	McDonald	1005
256	Bassetti	Doelger	3640

PLATFORM, ETC.

(249) NINTH AND BRANNAN STS.
All work for reinforced concrete platform and steel awning and wall.

Owner—Western States Grocery Co. Premises.
Architects and Engineers—M. C. Couchot, J. Rosenwald and C. and B. Roeth, 525 Market St., S. F.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Filed Nov. 5, '31. Dated Nov. 2, '31.
On 15th of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$5224
Bond, none. Limit, Dec. 1, 1931.
Forfeit, none. Plans and specifications filed.

ALTERATIONS

(250) S TWENTY-FOURTH ST. 40 E Florida E 50xS 70-2. All work for alterations and completion of two one-story frame buildings to be converted into single buildings containing 3 stores with rooms in rear.

Owner—Mrs. Victoria Mariani, 2879 23rd St., San Francisco.
Architect—Charles Fantoni, 550 Montgomery St., San Francisco.
Contractor—G. Carraro & Sons, 750 Felton St., San Francisco.
Filed Nov. 5, '31. Dated Nov. 4, '31.
Plans up..... \$1073
Plaster completed..... 1073
Building completed..... 1073
Usual 35 days..... 1076

TOTAL COST, \$4295
Bond, \$2150. Sureties, John J. DeLucchi and Jos. Ferrari. Limit, 60 days. Forfeit, \$10. Plans and specifications filed.

ELEVATORS

(251) TWO CITY BLOCKS bounded by Van Ness Ave., Franklin, McAllister and Grove Sts., including Fulton and Ash Sts. bet. Van Ness Ave. and Franklin and Birch St.; to furnish and install in place complete for Opera House and Veterans' Bldg. of the War Memorial of San Francisco, all elevators.

Owner—The Board of Trustees of the War Memorial of San Francisco.
Architects—A. Brown, Jr. and G. A. Lansburgh, 251 Kearny St.
Contractor—Spencer Elevator Co., 166 Seventh St.
Filed Nov. 6, '31. Dated Oct. 19, '31.
On or before 10th of each mo..... 10%
Usual 35 days..... 25%

TOTAL COST, \$34,492.00

Bond, \$42,346. Sureties, Central West Casualty Co. Limit, 285 days for the Opera House, and 240 for Veterans' Bldg. Plans and Spec. filed.

(252) MARBLE FOR ABOVE.

Contractor—The Elsie and Dondero Marble Co., 2895 3rd St.
Filed Nov. 6, '31. Dated Oct. 19, '31.
On or before 10th of ea. month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$56,869.00
Bond, \$28,435.00. Sureties, American Bonding Co. Limit, 200 days. Plans and Spec. filed.

(253) MARBLE WORK on above.
Contractor—American Marble Co., Hobart Bldg.

Filed Nov. 6, '31. Dated Oct. 19, '31.
On or before 10th of ea. month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$57,959.00
Bond, \$28,980.00. Sureties, U. S. Guarantess Co. Limit, 175 days. Plans and Spec. filed.

ELEVATOR REPAIRS

(254) THIRD and Channel Sts.; repairs to elevators Nos. 4 and 6 in premises occupied by Sussman & Wormser and elevators Nos. 10, 11 and 13 occupied by Haas Bros. in Groceries Terminal Bldg.

Owner—Southern Pacific Company.
Architect—Not Given.
Contractor—S. F. Elevator Co., Inc., 860 Folsom St.
Filed Nov. 6, '31. Dated Nov. 2, '31.
Monthly..... 75%
Usual 35 days..... 25%
TOTAL COST, \$1,595.00
Bond, \$1,595.00. Sureties, Commercial Casualty Co. Limit, 15 days. Plans and Spec. filed.

SIPHON

(255) RED MOUNTAIN BAR, Tuolumne County; all for construction of the Red Mountain Bar siphon.
Sub-Contractor—Berkeley Steel Const. Co., 2nd and Camella, Berkeley.
Engineer—M. M. O'Shaughnessy (S. F. city engineer).

General Contractor—McDonald and Kahn Co., Ltd., Financial Center Bldg., San Francisco.
Filed, Nov. 9, '31. Dated Nov. 7, '31.
All progress of payments to be made according to specifications marked No. 128 and in accordance with contract bet. the general contractor and the City of San Francisco.

TOTAL COST, \$1,005
Bond, \$90,400. Sureties, Central West Casualty Co. Forfeit, \$200. Limit, April 30, 1932.

NOTE: This work for the City and County of San Francisco.

BUNGALOW

(256) E ELEVENTH AVE 100 S Lawton S 25x E 120. All work for five-room bungalow.

Owner—Charles and Rosa Bassetti, 1216 Funston Ave., San Francisco.
Architect—Not Given.
Contractor—Henry Doelger, 300 Judah St., San Francisco.

Filed Nov. 10, '31. Dated Nov. 3, '31.
Roof on..... \$910
Plaster on..... 910
Completed..... 910
Usual 35 days..... 910

TOTAL COST, \$3640
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

COMPLETION NOTICES

San Francisco County

Recorded..... Accepted

Nov. 5, 1931—E TWENTY-FIFTH Ave 175 N Santiago 25x120. N W Anderson to whom it may concern.....Nov. 4, 1931

Nov. 5, 1931—S LINCOLN WAY 82-6 W Fourth Ave W 25xS 95. A Peterson to whom it may concern.....Nov. 5, 1931
Nov. 5, 1931—SE CAINE AVE 375 SW Lakeview Ave. Ray Tainter to T Kolsberg.....Oct. 31, 1931
Nov. 5, 1931—SE CAINE AVE 400 SW Lakeview Ave. C Hogan to T Kolsberg.....
Nov. 4, 1931—NO. 637 CLEMENT St. Annie Billington to C Lindberg.....Oct. 16, 1931
Nov. 4, 1931—N NEWCOMB AVE. Cor. Mendell 25x100. Mrs. A Peters to P Fetz and L Canessa.....Nov. 4, 1931
Nov. 4, 1931—NE EIGHTEENTH & York E 200 to W Hampshire by N 137-6 F N 49. Challenge Cream & Butter Assn to C Monson and H E Ruhlman (as Monson Bros.).....October 31, 1931
Nov. 4, 1931—NE FORTY-SIXTH Ave. and Fulton St. N140x E 115. Michael and Mary McDonough to whom it may concern.....Nov. 3, 1931
Nov. 4, 1931—E TWENTY-EIGHTH Ave 275 N Santiago N 25x E 120. E J Rettberg to whom it may concern.....Nov. 2, 1931
Nov. 4, 1931—NO. 1640 HOWARD ST. bet. 12th and 13th Sts. D. M and J O'Connor to T Johanss.....Nov. 4, '31
Nov. 3, 1931—S GREENWICH bet. Webster and Fillmore 27-6x120. F Scatena to whom it may concern.....Nov. 3, 1931
Nov. 3, 1931—N SLOAT BLVD 100 E 46th Ave E 20 x N 30 OL 1285. J Weissbein, Inc to T Cohan.....November 5, 1931
Nov. 3, 1931—43 GOETTINGEN, being 175 S Bacon on E Goettingen. F E Delahay to whom it may concern.....November 1, 1931
Nov. 3, 1931—LOT 13 BLK 2973 map Claremont Court and also ptn of Rancho San Miguel lying N of said lot 13. S M Palmer to Fred Fiske.....November 6, 1931
Nov. 3, 1931—E 32nd Ave 350 South Ulloa 25x120. A McComber and E Nelson to whom it may concern.....November 5, 1931
Nov. 3, 1931—E LAGUNA 100 South Waller S 43 E 82-4 N 1-104 E 42-10 m or l N 39-8 W 125. Wm Van Herich to whom it may concern.....November 7, 1931
Nov. 3, 1931—W 28th Ave 175 North Santiago N 25 x W 120. Julius S Godeau to whom it may concern.....November 10, 1931
Nov. 3, 1931—S ALTON AVE 109-7 E Pacheco 45 Alton Ave. Clark L Mahany to whom it may concern.....October 7, 1931
Nov. 3, 1931—NE RIVERA ST. AND Thirty-sixth Ave E 207-6xN 100 E 36th Ave 150 N Rivera N 275x E 120 SE 36th Ave and Quintara E 107-6xS 100; SW Quintara and 35th Ave W 107-6xS 100; W 35th Ave 150 S Quintara S 25xW 120; W 35th Ave 250 S Quintara S 50xW 120 OL 1061. H D Newhouse to A F Jackson.....Oct. 28, 1931
Nov. 3, 1931—E TWENTY-SECOND Ave 250 N Santiago N 25x E 120 OL 1101. C and F Gellert to whom it may concern.....Nov. 7, 1931
Nov. 3, 1931—W THIRTY-SECOND Ave 75 N Rivera 25x95. E Adams to whom it may concern.....November 7, 1931
Nov. 7, 1931—E EIGHTH AVE 100 N Noriega N 100x E 100 OL 867. R F Gall to whom it may concern.....Nov. 7, 1931
Nov. 7, 1931—E PARKER AVE 175 S Geary 25x103-24. John Bothe to whom it may concern.....Nov. 7, 1931
Nov. 6, 1931—N SILVER AVE 50 E Condon 25x110. C and M Seccia to whom it may concern.....November 6, 1931
Nov. 6, 1931—LOT 3 BLK 3095 As-

season's map Sunnyside Dist. Chas H North to Anders M Roe
October 26, 1931
Nov. 6, 1931—E 17th AVE 175 North Wawona. J E Bosshart to Henry Erickson..... November 3, 1931
Nov. 6, 1931—LOT 18A, Resub Blk 226 1/2 Balboa Terrace Addn. San Alejo Ave. Henry Erickson to Self..... November 5, 1931
Nov. 6, 1931—W RHODE ISLAND 350 S 20th S 26 x W 100 P N 142. S Perkon to whom it may concern..... November 3, 1931
Nov. 6, 1931—NW LONDON 275 NE Italy Ave NE 25 x NW 100 ptn blk 6 Exord Hd Assn. Castle Bldg Co to Henry Horn. Oct. 31, 1931
Nov. 6, 1931—LOT 19 BLK 2945A Sub No. 9, Miraloma Park. Meyer Bros to whom it may concern..... Nov. 4, 1931
Nov. 6, 1931—ALL PTN LOT 1 BLK 2972 Map Sub No. 1, Miraloma Park and Ptn San Miguel Rancho and Ptn Lansdale Ave, now closed decd. SE Lansdale Ave dist SW 31.505 from NE line said Lot 1 SW 33 S 66° E 89.5 N 24° E 33 N 66° W 59.5 to beg. Meyer Brothers to whom it may concern..... Nov. 4, 1931

LIENS FILED

San Francisco County

Recorded	Amount
Nov. 7, 1931—SW TURK & LYON Golden.....	\$931
S 75xE 137-6. Joe Atkinson vs E Golden.....	\$75
Nov. 5, 1931—E RIPLEY 90 E Folsom 25x70; SE Folsom and Ripley 30x90. E W Hanson and N F Hanson (as Hanson Bros) vs Kappeler Bros and A Flehl.....	\$137.50
Nov. 3, 1931—W 25th AVE 23 North Kirkham N 25 x W 52-6 Ol. 744. E Johnson vs George and Amalia Nov. 9, 1931—S GREENWICH 40 E Franklin E 60xS 79 W A 98. M Son) vs Sarah Schwalbe; Laughlin Constr Co and Chas A Laughlin.....	\$356.70

RELEASE OF LIENS

San Francisco County

Recorded	Amount
Nov. 7, 1931—E MISSISSIPPI 443 N 22nd N 25xE 100. Chas R McCormick Lumber Co of Delaware to M and E Meneghetti.....	
Nov. 7, 1931—SW SAN BRUNO AVE 134 NW Burrows NW 41xSW 120. The Turner Co, N Portnoy, E N Smith; A Covitti (as Guarantee Title Co) and P J Kelly to B and Annie Stone.....	
Nov. 5, 1931—E MISSISSIPPI 443 N 22nd N 25xE 100. P E Depaoli to Max and Eda Meneghetti.....	\$70.50
MARGINAL RELEASE OF LIEN	
Nov. 5, 1931 — E FORTY-SIXTH Ave 150 S Balboa S 25xE 120. H and S Ginsberg (as Ginsberg Title Co) to W S Morris.....	\$259.10

NOTICE OF CREDIT ON LIENS

SAN FRANCISCO COUNTY

Nov. 9, 1931 — SE POWHATTAN Ave and Bradford St E 86xS 95. H V Tucker Co to W G Silver..... \$1087.47
Nov. 9, 1931—S POWHATTAN AVE 86 E Bradford St E 23-8xS 95. H V Tucker to M and A De Terron..... \$361.80
Nov. 9, 1931—S POWHATTAN AVE 23-8 W Peralta Ave W 23-8xS 95. H V Tucker Co to M and A De Terron and T and M Thorgerson..... \$361.80

Nov. 9, 1931—FW PERALTA AVE and Powhattan Ave W 23-8xS 95. H V Tucker Co to H Marshall..... \$361.80
Nov. 9, 1931 — NE POWHATTAN Ave and Bradford St E 70xN 100. H V Tucker Co to D Salfield..... \$884.70
Nov. 9, 1931 — NW POWHATTAN Ave and Peralta Ave N 25xW 70. H V Tucker Co to Libby McCabe..... \$884.70

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Amt.
1563	Feldstein	Owner	7500
1564	Willis	Sorensen	3475
1565	Home	Owner	3100
1566	Urch	Owner	6200
1567	Griffiths	Owner	4250
1568	Leamington	Novelty	6000
1569	Gray	Appelba	6000
1571	Pariso	Perrin	3000
1572	Mead	Progressive	1831
1573	Fraser	Owner	3000
1574	Zoph	Holyoake	12459
1575	Kesti	Owner	3700
1576	Pfrang	Owner	5000
1577	Pfrang	Owner	5000
1578	Pfrang	Owner	5000
1579	Sorensen	Owner	4500
1580	Brown	Owner	3500
1581	August	Nunes	3385
1582	Knick	Young	5000
1583	Bartlett	Rockwell	5000
1584	Wallin	Owner	2975
1585	Grand	Owner	1800
1586	Netherby	Owner	4000
1587	Pfrang	Owner	5000
1588	Kern	Fisher	2000
1589	Lacey	Reimers	1000
1590	Guthrop	Matteson	6000
1591	Krahn	Hopper	17000

STORE

(1568) E SAN PABLO AVE. 75 S Williams St., OAKLAND; 1-story brick store.
Owner and Builder—S. Feldstein, 1918-22 San Pablo Ave., Oakland.
Architect—Not Given. \$7500

GARAGE

(1564) SW COR. 89th and FOOTHILL Blvd., OAKLAND; one-story brick garage.
Owner—Ed. Willis.
Architect—Not Given.
Contractor—Carl A. Sorensen, Hayward. \$3475

DWELLING

(1565) 3219 WYMAN ST, OAKLAND; one-story 5-room dwelling and 1-story garage.
Owner and Builder—Home Builders, Inc., 1940 42nd Ave., Oakland.
Architect—Not Given. \$3100

DWELLING

(1566) 5738 ROSS ST, OAKLAND; 1-story 6-room dwelling and one-story garage.
Owner and Builder—Ernest W. Urch, 1924 50th Ave., Oakland.
Architect—Not Given. \$6200

DWELLING

(1567) 2025 106th AVE, OAKLAND; one-story 6-room dwelling and 1-story garage.
Owner and Builder—C. W. Griffiths, 1427 87th Ave., Oakland.
Architect—Not Given. \$4250

SIGNS

(1568) SE NINETEENTH AND D Franklin St., OAKLAND. Three electric signs.
Owner—Hotel Leamington.
Architect—Not Given.
Contractor—Novelty Electric Sign Co., 22 Seventh St., San Francisco. \$2000 each

RESIDENCE

(1569) NO. 2500 ROSEWALL ST., BERKELEY. Two-story 6-room 1-family residence and garage.
Owner—Dr. Frank Gray, 2556 Rosewall St., Berkeley.
Architect—H. H. Gutterson, 526 Powell St., San Francisco.
Contractor—F. P. Appelbe, 2405 Acton St., Berkeley. \$6000

DWELLING

(1570) 555 51st ST, OAKLAND; 1½-story 6-room dwelling.
Owner and Builder—Morgensen Bros., 5664 Broadway, Oakland.
Architect—Not Given.

DWELLING

(1571) NO. 802 PACIFIC AVE., ALAMEDA. One-story 5-room frame and stucco dwelling.
Owner—William A. and Eddythe J. Parisio, 333 26th St., Oakland.
Architect—Not Given.
Contractor—Alfred Perrin, 333 26th St., Oakland. \$3000

ICE BOX, ETC.

(1572) NO. 1427 PARK ST., ALAMEDA. Construct ice box and cabinets for butcher shop.
Owner—Mead Estate, 1427 Park St., Alameda.
Architect—Not Given.
Contractor—Progressive Planing Mill, 2582 Poplar St., Oakland. \$1831

DWELLING

(1573) NO. 1421 VERSAILLES AVE., ALAMEDA. One-story five-room frame and stucco dwelling.
Owner—J. W. Fraser, 2502 Otis Drive, Alameda.
Architect—Not Given. \$3000

RESIDENCE

(1574) NO. 611 CRAGMONT AVE., BERKELEY. Three-story nine-room stucco residence and garage.
Owner—N. M. Zoph, 1870 Capistrano St., Berkeley.
Architect—W. R. Yelland, Financial Center Bldg., Oakland.
Contractor—A. Holyoake, 517 East Ave, Hayward. \$12,459

DWELLING

(1575) NO 550 AILEEN ST., OAKLAND. One-story 6-room dwlg.
Owner—David Kesti, 2217 Browning St., Berkeley.
Architect—Not Given. \$2700

DWELLING

(1576) NO. 6107 LAWTON AVENUE, OAKLAND. One-story six-room dwelling.
Owner—H. C. Pfrang, 5659 Ocean View Drive, Oakland.
Architect—Not Given. \$5000

DWELLING

(1577) NO. 5416 GOLDEN GATE AVE., OAKLAND. One-story 5-dwelling.
Owner—H. C. Pfrang, 5659 Ocean View Drive, Oakland.
Architect—Not Given. \$5000

DWELLING

(1578) NO. 5728 BUENA VISTA AVE., OAKLAND. One-story 5-room dwelling.
Owner—H. C. Pfrang, 5659 Ocean View Drive, Oakland.
Architect—Not Given. \$5000

RESIDENCE

(1579) NO. 2900 SHASTA AVE., BERKELEY. One-story 6-room 1-family frame residence.
Owner—E. M. Sorensen, 1907 Parker St., Berkeley.
Architect—A. W. Smith, American Bk. Bldg., Berkeley. \$4500

BUILDING
(1580) NO. 303 ADAMS ST., ALBANY.
Brick building.
Owner—J. G. Brown, 731 Evelyn Ave., Albany.
Architect—Not Given.
Lessor—Bateman & Wise, 916 San Pablo Ave., Albany. \$3500

DWELLING
(1581) NO. 250 HARTLAN ST., SAN LEANDRO. One-story five-room dwelling.
Owner—L. August, 555 Estabrooke St., San Leandro.
Architect—Not Given.
Contractor—A. P. Nunes, 37 Castro St., San Leandro. \$3385

DWELLING
(1582) NO. 981 ARBOR DRIVE, SAN LEANDRO. One and one-half-story six-room dwelling.
Owner—The C. Knick, 251 Garcia Ave., San Leandro.
Architect—Not Given.
Contractor—John Young, 233 Leo Ave., San Leandro. \$5000

DWELLING
(1583) NO. 837 DUTTON AVE., SAN LEANDRO. One and one-half-story six-room dwelling.
Owner—R. E. Bartlett, 46 Rock Lane, Berkeley.
Architect—Not Given.
Contractor—M. E. Rockwell, 349 38th St., Oakland. \$5000

DWELLING
(1584) 2914 75th AVE., OAKLAND; 1-story 5-room dwelling.
Owner and Builder—Folke Wallin, 2150 50th Ave., Oakland. \$2975
Architect—Not Given.

ALTERATIONS
(1585) SE COR. GRAND AVENUE and Webster St., OAKLAND; alterations.
Owner and Builder—Grand & Webster Bldg., Corp., % Fulton Theatre, Oakland.
Architect—Not Given. \$1800

DWELLING
(1586) 9 AGNES ST., OAKLAND; 2-story 6-room dwelling.
Owner and Builder—W. A. Netherby, 3853 Lyman Road, Oakland.
Architect—Not Given. \$4000

DWELLING
(1587) 5658 CARBERRY AVE., OAKLAND; 1-story 6-room dwelling.
Owner and Builder—C. J. Pfarr, 6300 Claremont Ave., Oakland.
Architect—Not Given. \$1000

ALTERATIONS
(1588) 2116 BROADWAY, OAKLAND; alterations.
Owner—Kern & Hamburger.
Architect—Not Given.
Contractor—R. R. Fischer, 1734 83rd Ave., Oakland. \$2000

ALTERATIONS
(1589) 601 BEACON ST., OAKLAND; alterations.
Owner—W. S. Lacey.
Architect—Not Given.
Contractor—Irwin H. Reimers, 74 S Walla Vista Ave., Oakland. \$1000

DWELLING
(1590) 2514 HILLCOURT, BERKELEY; 2-story 5-room frame and stucco residence and garage.
Owner—Pauline Gunthrop, Berkeley.
Plans by Mr. Mattison.
Contractor—C. R. Mattison, 1517 Le Roy Ave., Berkeley. \$6000

ALTERATIONS
(1591) 3332 ADELINE ST., BERKELEY; alterations to theatre.

Owner—Beach Krahn Amusement Co., 5653 College Ave., Berkeley.
Architect—A. A. Cantlin, 544 Market St., San Francisco.
Contractor—Alfred Hopper, 1769 Pleasant Valley, Oakland. \$17,000

BUILDING CONTRACTS

Alameda County

No.	Owner	Contractor	Amt.
159	O'Brien	Zaballos	5500
160	Beach	Hopper	11640
161	Beach	Watts	1550
162	Beach	Santocorno	2200
163	Beach	Matson	2358

RESIDENCE
(159) LOT 88, Broadmoor Park, San Leandro; general construction on residence.
Owner—J. J. O'Brien, San Leandro.
Plans by W. W. Dixon, 1844 5th Ave., Oakland.
Contractor—Henry Zaballos, Hayward
Filed Nov. 7, '31. Dated Oct., '31.
When frame is up.....25%
When plastered.....25%
When accepted.....25%
Usual 35 days.....25%
TOTAL COST, \$5500
Bond, \$2750. Sureties, Pacific Indemnity Co. Limit, 90 days. Spec. filed.%

ALTERATIONS
(160) 3332 ADELINE ST., Berkeley; alterations and additions to theatre building except electrical work, heating and ventilating, decorating and painting and electrical fixtures.
Owner—Beach-Krahn Amusement Co.
Architect—A. A. Cantlin, 544 Market St., San Francisco.
Contractor—Alfred J. Hopper, 1769 Pleasant Valley, Oakland.
Filed and Dated Nov. 7, 1931.75%
December 1.....75%
Completion, amount necessary to make total payments 75% of contract cost.
TOTAL COST, \$11,640
Bond, \$11,640. Surety, Fidelity & Casualty Co. of New York. Limit, Dec. 25, 1931. Plans and Spec. filed.

(161) ALTERATIONS and additions to heating and ventilating plant on above.
Contractor—C. R. Watts, 1166 Spruce St., Berkeley.
Filed and Dated Nov. 7, 1931.75%
On completion.....75%
Usual 35 days.....Balance
TOTAL COST, \$1,550
Limit, Dec. 25, 1931. Plans and Spec. filed.

(162) PAINTING and Decorating on above.
Contractor—Matheos Santocorno, 68 Monterey Blvd., San Francisco.
Filed and Dated Nov. 7, 1931.75%
On completion.....75%
Usual 35 days.....Balance
TOTAL COST, \$2,200
Limit, Dec. 25, 1931. Plans and Spec. filed.

(163) ELECTRICAL WORK on the above.
Contractor—Matson—Sambrooke Co., 414 Broadway, Oakland.
Filed and Dated Nov. 7, 1931.75%
On completion.....75%
Usual 35 days.....Balance
TOTAL COST, \$2,258
Limit, Dec. 25, 1931. Plans and Spec. filed.

COMPLETION NOTICES

Alameda County

Recorded	Accepted
Nov 3, 1931—1770 ARCH STREET, Berkeley. Martha Windsor to Geo Windsor.....November 8, 1931	
Nov 4, 1931—241 BROCKTON AVE., Oakland. W. A. Netherby to whom it may concern.....Nov 2, 1931	
Nov 4, 1931—LOT 16 BLK J, Amended map of the Moss Tract, Oakland. Charles W Griffith to whom it may concern.....November 3, 1931	
Nov 4, 1931—EDITH ST, Dulloch Rd, Jacobs Ave and Morphet St, Oakland. Roman Catholic Archbishop of San Francisco to James L McLaughlin, Inc.....November 2, 1931	
Nov 4, 1931—SOUTH PTN LOT 2 Blk F, Glenwood, Oakland. Geo E Lee to R C McElride, Jr.....October 31, 1931	
Nov 4, 1931—LOT 28 BLK 3, map of Thousand Oaks, Berkeley. John W Hall to P C Soite.....Nov 2, 1931	
Nov 4, 1931—SW BANCROFT ST and San Pablo Avenue, Berkeley. Robt H and Amy Florence Wetmore and Minnie B Buckley to Independent Iron Works, Ltd.....November 2, 1931	
Nov 4, 1931—NE LINE East 22nd St 60 ft SE of 13th Ave, Oakland. Bernhard Hedberg to whom it may concern.....October 30, 1931	
Nov 9, 1931—PTN PLOTS 6 AND 7, Indian Glen, Oakland. Alton R Lapham to whom it may concern.....November 5, 1931	
Nov 9, 1931—NO. 1962 AUSEON AV Oakland. Lester J and Lurena M Tappan to John S Flagg.....Nov. 7, '31	
Nov 7, 1931—3015 WISCONSIN ST, Oakland. John Fleming to Self.....November 7, 1931	
Nov 7, 1931—SW LINE CALHOUN St 100 ft NW of Pearl St, Alameda. A McGregor to Noble F Justice.....October 29, 1931	
Nov 7, 1931—PTN LOTS 29 and 30, Maple Terrace, Oakland. Andrew Hexem to whom it may concern.....November 2, 1931	
Nov 7, 1931—JOHN M ESHELEMAN Memorial, campus of the University of California, Berkeley. Regents of the University of California to The Turner Company.....November 4, 1931	
Nov 7, 1931—4237 ATLAS AVENUE, Oakland. O W and Anna Johnson to whom it may concern.....November 7, 1931	
Nov 5, 1931—PTN LOT 23, Meek Garden Tract, Eden Twp. Gustav and Lucia Chlsen to whom it may concern.....November 5, 1931	

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

Nov. 3, 1931—LOT 2 BLK J. Estu-
dio Hermanos San Leandro. Karl
S. Frohman to whom it may
concern. November 4, 1931

Nov. 5, 1931—E 20 ft. LOT 119 and
W 20 ft. lot 128. Overland Square,
Oakland. David Kestl to whom it
may concern. November 4, 1931

Nov. 5, 1931—PTN LOT 42, Fern-
wood, Oakland. David Kestl to
whom it may concern. Oct. 28, 1931

Nov. 5, 1931—STATE HIGHWAY
bet Dublin and Hayward, Alameda
County. Dept. of Public Works,
Div. of Highways, State of Cal-
ifornia to Jones & Rine. November 4, 1931

Nov. 5, 1931—STATE HIGHWAY,
one mile west of Livermore, Alame-
da County. Dept. of Public
Works, Div. of Highways, State of
California to Theodor Johanns. November 2, 1931

Nov. 5, 1931—329 SANTA FE AVE.,
Alhambra. B. Reinghaus to Self.
November 2, 1931

LIENS FILED

Alameda County

Recorded	Amount
Nov. 3, 1931—N W NINTH AVE 75 ft SW of E 17th St. Oakland. A. Cassique vs Clint W. and Her- mine G. Miller. \$47	
Nov. 3, 1931—LOT 9 BLK 123, Ray- mond Tract, Berkeley. Richmond Navigation & Improvement Co. vs Joe M. Maguire. \$361.05	
Nov. 5, 1931—LOTS 41 and 42, map Kingsland Tract, Oakland. C. C. Webster also known as Chilus C. Webster vs Margaret Ann Behr- mann and Vincent Romano. \$200	

RELEASE OF LIENS

Alameda County

Recorded	Amount
Nov. 10, 1931—No. 65 NORTHAMP- ton Ave., Berkeley. A. J. Bowman (as Bowman Building Supply Co.) to Mrs. Margaret Weaver and E. C. Wangan. \$25.05	
Nov. 6, 1931—LEC WAY and Broad- way Terrace, Oakland. A. J. Bow- man doing business as Bowman Bldg Supply Co. to Leslie C. Dawe and C. A. Ward. \$75.50	
Nov. 5, 1931—LOT 13 BLK 4, Shaw Tract Blks 4, 6, 7 and 9, Berkeley. Tilden Lumber and Mill Co. to Edw. Fauett and F. W. Thaxter. \$445.70	
Nov. 5, 1931—LOT 13 BLK 4, Shaw Tract Blks 4, 6, 7 and 9, Berkeley. Sunset Hardware Co. to Edward Fauett and F. W. Thaxter. \$76.15	
Nov. 4, 1931—LOT 6 BLK 3, Grand Ave Terrace, Berkeley. A. J. Bow- man doing business as Bowman Bldg Supply Co. to Dr. J. M. Shan- on and E. C. Wangan. \$42.75	

BUILDING CONTRACTS

SAN MATEO COUNTY

RESIDENCE
LOT 10 BLK 5, Baywood. All work
for two-story frame and stucco
residence.
Owner—Bertha Hanzlike et al \$15
Prospect St., San Mateo.
Architect—Grimes & Schoening, 285
Third Ave., San Mateo.
Contractor—T. A. Cavanaugh, 235
Third Ave., San Mateo.
Filed Nov. 3, '31. Dated Oct. 28, '31.
Roof on
Brown coated
Completed
Free of claims
TOTAL COST (guaranteed) \$12,000
Bond, limit, forfeit, none. Plans and
specifications filed.

RESIDENCE
LOT 14 BLK 2, Wellesley Park, San
Mateo. All work for two-story
frame and stucco residence and
garage attached.
Owner—Aguste M. Buben.
Superintendent—E. N. Buben.
Contractor—C. S. Baker, 611 9th Ave.,
San Mateo.
Filed Nov. 2, '31. Dated Oct. 31, '31.
Roof on \$1625
Brown coated 1625
When completed 1625
Usual 30 days 1625
TOTAL COST, \$6500
Bond, none. Limit, \$0 working days.
Forfeit, none. Plans and specifications
filed.

DWELLING
LOT 5 BLK 5, Easton. All work for
one-story frame dwelling and
double garage.
owner—John R. Lynden.
Architect—Not Given.
Contractor—M. C. Rench, 736 Far-
rington Lane, Burlingame.
Filed Oct. 31, '31. Dated Oct. 28, '31.
Frame up \$757.50
Brown coated 757.50
When completed 757.50
Usual 35 days 757.50
TOTAL COST, \$3150.00
Bond, none. Limit, \$0 working days.
Forfeit, none. Plans and specifica-
tions filed.

BUILDING PERMITS

SAN MATEO

**DWELLING, \$3500; E 30 ft. Lot 3, E
20 ft. Lot 4 Blk 2, 26th Ave., San
Mateo; owner, H. Nelson, 606 S-
Fremont St. San Mateo; architect,
Grimes & Schoening, 235 3rd Ave.,
San Mateo.**

**DWELLING, \$3500; E 40 ft. Lot 3 26th
Ave., San Mateo; owner and con-
tractor, Buschke & Johnson, 235
3rd Ave., San Mateo; architect,
Grimes & Schoening, 235 3rd Ave.,
San Mateo.**

**RESIDENCE, \$4000 E 1/2 Lot 9 Blk 5,
22nd Ave., San Mateo; owner and
contractor, Edw. E. Jorgensen,
Fairfield & Isabelle Sts., Berse-
ford.**

**BUNGALOW and garage, \$4000; Lot
20 Blk 19, No. 926 S-Fremont St.,
San Mateo; owner and contractor,
J. A. MacKenzie.**

**RESIDENCE, \$5000; Lot 10 Blk 8
Carrott Drive and Franklin St.,
San Mateo; owner, P. J. Hanzik;
contractor, Thos. Cavanaugh, 1441
Vancouver Ave., San Mateo.**

**RESIDENCE, frame, \$1500; Lot 5 Blk
C, 433 Bellevue St., San Mateo;
owner, J. L. Creighton, 433 E-
Bellevue St., San Mateo; contrac-
tor, J. L. Creighton, 433 E-Belle-
vue St., San Mateo.**

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
Oct. 31, 1931—LOT 14 BLK 10, Bur- lingame Hills. P. Marples to F. F. Nelson. October 23, 1931	
Nov. 3, 1931—LOTS 20 AND 21 BLK 2, Marino Vista Park. Elemer Horath et al to whom it may con- cern. Oct. 30, 1931	
Nov. 3, 1931—LOT 16, Lexington Park, San Mateo. H. W. Houghton to whom it may concern. Nov. 2, 1931	
Nov. 6, 1931—S WHITTIER ST. 154 W Hanover St., Daly City. Emil S Gardella to Boyd C Lindsey. Nov. 6, 1931	
Nov. 6, 1931—LOTS 23, 24 AND 25	

BLK 3, San Bruno. Lumar Nejeely
to Wm Laikam Jr. Nov. 5, 1931

Nov. 6, 1931—LOT 28 BLK 42, Dev-
onshire. Mable G Carlisle to
whom it may concern. Nov. 6, 1931

Nov. 6, 1931—MILLBREE GRAM-
mar School, Millbrae School Dist
to Edward P. Stewart. Nov. 2, 1931

Nov. 6, 1931—LOT 9 BLK 62, Easton
Desmond G Kelly to whom it may
concern. Oct. 30, 1931

Nov. 7, 1931—PART LOT 30 BLK
7, Blossom Heath Manor, Castle
Bldg Co to Henry Horn. Nov. 2, 1931

Nov. 7, 1931—LOT 22 BLK 2, Jef-
ferson Park. Castle Bldg. Co to
Henry Horn. Nov. 3, 1931

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
Nov. 5, 1931—LOT 9 BLK A, Fay's Redwood Garden. Frank A. Grun- nert, \$55; San Carlos Feed & Fuel Co, \$705.13 vs M A Hazeltine et al	
Nov. 5, 1931—LOT 6 BLK 9, Menlo Oaks. Harry Blendes vs Aren M. Arnsen. \$350	
Nov. 5, 1931—LOT 4 BLK 5, Bay- wood. Con Carlson vs H A Nor- ton. \$84	
Nov. 6, 1931—LOT 5 BLK 17, Bur- lingame Grove. S Bragato vs John Moore et al. \$300	
Oct. 31, 1931—LOTS 2, 14, 15, 16, 17 and 18 and Part Lots 3, 19 and 20 Blk 21, San Carlos. Gus Adolph- son vs Robert A. Klarsen et al. \$666.64	

Nov. 3, 1931—LOT 9 BLK A, Fay's
Redwood Gardens. P. Buthmann.
\$8; George W Petty, \$36 vs Mark
A Haseltine

Nov. 3, 1931—LOT 6 BLK B, Fay's
Redwood Gardens. Adolph Bow-
man vs William E Griffin. \$94

Nov. 4, 1931—LOT 9 BLK A, Fay's
Redwood Garden. Sam B Gass vs
Mark A Haseltine. \$1750

Nov. 4, 1931—LOT 6 BLK B, Fay's
Redwood Garden. Sam B Gass vs
William E Griffin. \$1600

RELEASE OF LIENS

SAN MATEO COUNTY

Recorder	Amount
Nov. 6, 1931 — LOCATION NOT Given. San Carlos Feed & Fuel Co; Gust Manuels; Fred Carlisle; A G Stryker; Palo Alto Lumber Co and Victor Dopee to George Ogden et al	
Nov. 17, 1931—LOT 4 BLK C, Fay's Redwood Garden. Blendes Plum- bing Supply Co; San Mateo Feed & Fuel Co to A Newman et al	
Nov. 7, 1931—LOT 4 BLK C, Fay's Redwood Garden. Guss Manueles to whom it may concern	

BUILDING PERMITS

SAN JOSE

ALTER 2-story frame residence, \$4500
No. 292 S-Ninth St., San Jose;
owner, J. R. McChesney, Premises;
architect, Binder & Curtis, 35 W-
San Carlos St., San Jose; contrac-
tor, Chas. Thomas, 127 Clayton St.,
San Jose.

**ALTER one-story type III industrial
building, \$1000; No. 763 The Alame-
da, San Jose; owner, F. H.
Boynton, Premises; contractor,
Thermotte Constr. Co., 580 Stock-
ton Ave., San Jose.**

BUILDING PERMITS

REDWOOD CITY

ALTER and add to dwelling, \$1000; No. 439 Jefferson Ave., Redwood City, owner, C. H. Feldhausen, 1429 Jefferson St., Redwood City; contractor, A. G. Reichstatter.

DWELLING, frame, 6-room, bath & garage, \$3500, No. 1344 Stambaugh St., Redwood City; owner and contractor, Pasquale Bado, 2345 Midway Road, Redwood City.

DUPLEX dwelling and garage, frame, \$8000, No. 36528 Oakdale St., Redwood City; owner, M. Dulik, 115 Lowell St., San Francisco; contractor, Fred J. Mesher, 2929 Sacramento St., San Francisco.

BUILDING CONTRACTS

SANTA CLARA COUNTY

BUILDING
SE JULIAN AND SAN PEDRO STS., San Jose. All work for one-story reinforced concrete building. Owner—John S. Hasen, San Jose. Architect—W. E. Higgins, 19 N-Second St., San Jose.

Contractor—W. M. Caldwell, 1241 Hedding St., San Jose.

Filed Nov. 2, '31. Dated Nov. 2, '31.

As work progresses..... 75%
Usual 35 days..... 25%

TOTAL COST, \$7459.50

Bond, \$3729.50. Sureties, Otto E. and E. W. Schnabel. Limit, 70 days after Nov. 2, 1931. Forfeit, none. Plans and specifications filed.

BUILDING PERMITS

BURLINGAME

RESIDENCE, \$4000; Lot 10 Blk 3, El Laguna Ave., Burlingame; owner, P. W. Freize; contractor, D. J. McDonald, 21 Clarendon Road, Burlingame.

GARAGE, \$1150; SE Howard and California Drive, Burlingame; owner, and contractor, Dairy Delivery Co., 198 California Drive, Burlingame.

RESIDENCE, \$3500; Lot 5 Blk 5, El Capudino, Burlingame; owner, John R. Lynden; contractor, M. S. Rench.

BUILDING PERMITS

PALO ALTO

RESIDENCE and garage, stucco, \$6000 No. 2120 Cowper St., Palo Alto; owner, Floyd Cowan, 1030 Park-Inson Ave., Palo Alto; contractor, W. H. Gibson, 1475 Hamilton Ave., Palo Alto.

RESIDENCE, rustic, \$2000; No. 850 Guinda St., Palo Alto; owner, S. K. Carson, 781 Channing Ave., Palo Alto.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Nov. 4, 1931—LOT 1 BLK 5, Restwood Park No. 3, San Jose. R. F. Gardner et al to whom it may concern.....Nov. 4, 1931

Nov. 4, 1931—LOT 15 BLK 21, Montgomery and Rea Subd of Cook & Brannan Addition, San Jose. Joe Bertl to whom it may concern.....October 30, 1931

Nov. 4, 1931—LOT 71, Home Acres, San Jose. Charles A. Clark et al to whom it may concern.....Nov. 2, 1931

Nov. 4, 1931—LOT 4 and SW 1/2 Lot 5 Blk 42, College Terrace, Palo

Alto. George A and Mabel 1 Ratham to whom it may concern.....October 31, 1931

Nov. 4, 1931—N HAMILTON AVE. 75 NE of line bet. Lots 1 and 2 Blk 118 NE 3.90 ft. to W Center St. NE 176.96 W to W line land of Aves S 74.15 S 18.75 to beg Part Lot 2 Blk 118, Crescent Park, Palo Alto. Andrew and Mary Aro to whom it may concern.....November 2, 1931

Nov. 4, 1931—LOT 19 BLK 46, Palo Alto. Howard C Knight to whom it may concern.....Oct. 27, 1931

Nov. 5, 1931—LOTS 13 AND 15 BLK 19, Map No. 2, Town of Los Altos. Louise Powell to Claude C Taylor November 3, 1931

Nov. 5, 1931—PTN LOT 4 BLK 4 R E, San Jose, Sherman Day Crul, engineer, desc as D Fourth St. where the sd il is inter by dividing lots 4 and 5 Blk 4 R 4 S N on 4th St. 40 r 1/2 W 120 r 1/2 S 40 r 1/2 E 120 to pt beg Margaret M McCormick to William Regal.....October 31, 1931

Nov. 5, 1931—PTN LOTS 64, 65 & 66 Blk 1, Vendome Park; SE Mission 66.43 SW Second St. by 51.50 to pt of beg, San Jose. George S and Janet S Koehler to whom it may concern.....Nov. 4, 1931

Nov. 6, 1931—PART LOT 6 BLK 16, Palo Alto Map of University Park. William Clemo to R A Mosherberger.....Nov. 4, 1931

Nov. 6, 1931—LOT 7 BLK A, Southgate being Subd of Blk J, Palo Alto. F C and Elvora M Eastman to Harry C Yates.....Oct. 31, 1931

Nov. 6, 1931—PART LOTS 6 AND 7 Fleming Subd of Lots 28, 32, 33 and 38, Odd Fellows Savings Bank Tract, San Jose. Bert W Leitch to C O Metcalf.....Nov. 5, 1931

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
Nov. 5, 1931—LOTS 5 AND 6 BLK 3 College Terrace, Palo Alto. Harry Haese and J F Bode (as Bayshore Mfg Co) vs Sam Goss.....\$126

Nov. 3, 1931—LOT 3, Duncan Partition 8.76 acres. Frank Bugliosi and Baldo Ragnacci to whom it may concern.....Oct. 20, 1931

Nov. 3, 1931—HOMESTEAD ROAD, 13 acres. E H Caldwell to whom it may concern.....Nov. 2, 1931

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded Amount
Nov. 4, 1931—NE ALVISO AND Bellomy Sts. E 50xN 100 ft. Part Lot 2 Blk 5 S R 3 E, Santa Clara Also N Bellomy 50 E Alviso St. E 50xN 100 ft. Part Lot 2 Blk 55 R 3 E, Santa Clara; also N Bellomy 100 ft. E Alviso E 87.50xN 114 ft. Part Lot 2 Blk 55 R 3 E, Santa Clara. Home Union; Wm Burt; Joe A Poe; C W Spotwood; H E Dougherty; Pacific Mfg Co; Wm Ehrlert; Charles Dumais; D J Evans; Fred Heyden; C J Thelan; M A Pyle; Dan Dorsa; T E Baker & Sons to Natalie Sibona.....

BUILDING PERMITS

SAN ANSELMO

SAN ANSELMO, Marin Co., Cal.—Following permits were issued by Charles H. Cartwright, town building inspector, during the month of October:
R. E. Wheeler. Addition. Lot 10,

Block 7, Mountingdale Court Sub. 1. Est. cost, \$200.
C. Struckman, Dwelling. Portion Lot 58 Bush Tract. Elm Ave. Est. cost, \$3600.
R. H. Van Schaick. Addition. Lot J, Mountingdale Court Sub. 1. Est. cost, \$1000.
Margaret Lynch. Addition. Lot 8 Block 6, Sequoia Park, Section 1. Cottage Ave. Est. cost, \$150.
W. L. Mallory. Garage. Lot 16, San Rafael Heights Sub. 1, Greenfield Ave. Est. cost, \$175.
Miss E. M. Brown. Addition. Lot 4, Block 9, Hawthorne Hills Sub. 1, Suffed Ave. Est. cost, \$500.
P. Littmann. Dwelling. Lot 19, Sub Lots 26 to 37, Linda Vista Tract. Pine St. Est. cost, \$3500.
W. R. Quigley. Dwelling and garage. Lot 9, Blk 6, Sub. 1, Morninglode Court. Est. cost \$3500.
Dr. A. Molinari. Dwelling. Lot C, Kenilworth Park. Park Drive. Est. cost, \$5900.
J. DeLegons. Addition and alterations. Florence Ave., Bush Tract. Est. cost \$1200.

BUILDING CONTRACTS

MONTEREY COUNTY

ALTERATIONS
NO. 140 MAIN ST., Salinas. All work for altering and remodeling motor coach station, shop, garage buildings and driveways.
Owner—Pacific Greyhound Lines, Inc., San Francisco.
Architect—Not Given.
Contractor—Charles R. J. Dame, 981 Peralta St., Berkeley.

Filed Nov. 5, '31. Dated Oct. 30, '31.

As work progresses.....

TOTAL COST, \$4200

Bond, \$4000. Sureties, Bertha E. Rice and Frances W. Gump. Limit January 10, 1932. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
Nov. 2, 1931—LOTS M AND N BLK 2, Sherwood & Hellman's Addn., Salinas. Knights to Pythias Hall Assn to H H Larsen Co. Nov. 2, 1931

Nov. 2, 1931—LOT 16 BLK 2, Riker & Jackson's Subd, Salinas. Chas Shaw to A J Yates.....Oct. 30, 1931

Nov. 2, 1931—LOT F BLK 19, Map of Salinas City. Walter B and Gladys A Fenton to A J Yates.....October 30, 1931

LIENS FILED

MONTEREY COUNTY

Recorded Amount
Nov. 3, 1931—LOTS 27 AND 29 BLK 10, Oak Grove Addition to City of Monterey. Wade Halstead vs Eileen Agnes Howard.....\$270.75

Nov. 3, 1931—LOTS 27 AND 29 BLK 10, Oak Grove Addition, Monterey. A C Kastner vs Eileen Agnes Howard.....\$24

Nov. 4, 1931—LOT 64, Map of Locke-Paddon Addition to Salinas. W F Sechrest Lumber Co vs G A Seiber, Helen A Seiber, Wilson J Bomar, Jane Doe Bomar, Ward and Jane Doe Combs.....\$252.75

BUILDING CONTRACTS

SONOMA COUNTY

HEATING SYSTEM
NO. 611-617 FOURTH ST., Santa Rosa. All work for heating installation in two-story building.

Owner, S. H. Kress & Co., 114 5th Ave., New York.
Architect—Not Given.
Contractor—Carpenter & Mendenhall, 306 Front St., Sacramento.
Filed Oct. 31, '31. Dated Oct. 8, '31.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, \$3863
Bond, \$3863. Surety, U. S. Guaranty Co. of New York City. Limit, Dec. 7, 1931. Forfeited, none. Plans and specifications filed.

COMPLETION NOTICES

SONOMA COUNTY

Recorded Accepted
Nov. 6, 1931—SW RIDGEWAY AVE and Cleveland Ave., Santa Rosa. Lena May Fudge to A B and E A James.....Nov. 6, 1931
Nov. 2, 1931—PTN LOTS 6 AND 7, Trowbridge Subd of Rincon Heights Subd near Santa Rosa. Lloyd W Green to whom it may concern.....Nov. 2, 1931

BUILDING PERMITS

STOCKTON

DWELLING, brick veneer, 6 rooms and garage, \$5500; No. 812 West Elm St., Stockton; owner, T. E. Williamson, 1859 W-Park Ave., Stockton.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
Nov. 5, 1931—LOT 18 BLK 9, Lake Park, Sacramento. F P Dobson to whom it may concern.....Nov. 5, 1931
Nov. 5, 1931—LOT 17 BLK 9, Lake Park, Sacramento. F P Dobson to whom it may concern.....Nov. 5, 1931
Nov. 4, 1931—LOT 13 BLK 2, Lakeview. Silvio Antolla and wife to J M Heltterbrand.....Oct. 28, 1931

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
Nov. 7, 1931—PART LOT 11, First Tract. Fisher Bros Lumber & Mill Co vs W B Gibson and Theophile Lexieux.....\$214.44

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded Accepted
Nov. 6, 1931—LOT 40 and E 15 ft. Lot 41 Blk 36 W. Rodeo. M B Mathias to M B Mathias.....Oct. 26, 1931
Nov. 6, 1931—NEAR AMBROSE, Property of Shell Chemical Co. Shell Chemical Co to William Spivock.....Oct. 30, 1931
Nov. 4, 1931—PTN RANCHO LOS Medanos. E Kinney to whom it may concern.....Nov. 3, 1931

RELEASE OF LIENS

CONTRA COSTA COUNTY

Recorded Amount
Nov. 3, 1931—TRACT NO. 4 of the A Von Refinery, Associated Oil Co. A A McMahon to T V Wesella and Associated Oil Co.....

BUILDING PERMITS

SACRAMENTO

ADD one story, \$4000; No. 4000 Tenth St., Sacramento; owner, California Fruit Exchange, 1400 10th St., Sacra-

ramento; contractor, Azavedo & Sarmiento, 2030 24th St., Sacramento.

DWELLING, six-room and garage, \$5000; No. 1107 4th Ave., Sacramento; owner and contractor, A. S. Hackitt, 1913 8th St., Sacramento.

RESIDENCE, 5-room and garage, \$5000; No. 720 48th St., Sacramento owner, F. L. Thomas, 600 50th St., Sacramento.

DWELLING, 6-room and garage, \$4500 No. 2961 Gowan Way, Sacramento; owner, Land Drive Terrace, 1100 Robertson St., Sacramento.

HOUSE, 7-room and garage, \$5000; No. 2701 Land Park Drive, Sacramento; owner, Ben Leonard, 815 J St., Sacramento.

HOUSE, 6-room and garage, \$4500; No. 1532 Santa Ynez Way, Sacramento; owner, Matter & Adelaide, 1713 J St., Sacramento.

RESIDENCE, 5-room and garage, \$5000; W 23 ft. Lot 5, all Lot 6 Blk E, Highland Park; owner, George Youngman, Seabright, Cal. contractor, W. Kilborn and Ed. Swing, 4300 F St., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Nov. 7, 1931—LOT 90, South Curtis Oaks Sub No. 3. Carly Investment Co to whom it may concern.....October 29, 1931
Nov. 2, 1931—LOT 40, W & K Tract 34, Sacramento. F C Stabenaw to whom it may concern.....October 30, 1931
Nov. 2, 1931—LOT 37 Land Drive Terrace Unit 1, Sacramento. Wm E and Harriet Smelhurst to whom it may concern.....Oct. 30, 1931

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
Nov. 7, 1931—LOT 107, Carmichael Col. General Supply Co, Inc vs Miriam Hubbell.....\$38.17
Nov. 7, 1931—LOT 75, Swanston Park Unit No. 1, Sacramento. R L Thompson vs Joseph Pesce and William Clark Crittenden.....\$365
Oct. 31, 1931—N ½ OF E ½ LOT 172, Carmichael Col. General Supply Co, Inc vs Carroll J and Dora E Cole.....\$139.72

BUILDING PERMITS

FRESNO

DWELLING, \$3000; No. 444 Brown Ave., Fresno; owner, A. G. Lampases, 765 Yale St., Fresno.
DWELLING, \$1500; No. 554 B St., Fresno; owner, Elizabeth Gross; contractor, Henry Rosenthal.

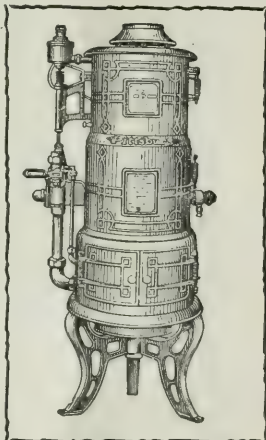
COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Nov. 3, 1931—LOTS 38 AND 39 Blk 83, Sierra Vista Addition No. 4, Fresno. R G Leach to whom it may concern.....Nov. 2, 1931

Chas. E. Brodeur, 68, painting contractor of Fresno, died in that city Nov. 5. Brodeur was a native of Vermont and had been engaged in the painting business in the San Joaquin Valley for the past twenty-eight years.

Geo. B. Campbell, building and loan executive of San Jose, has been elected president of the San Jose Chamber of Commerce.



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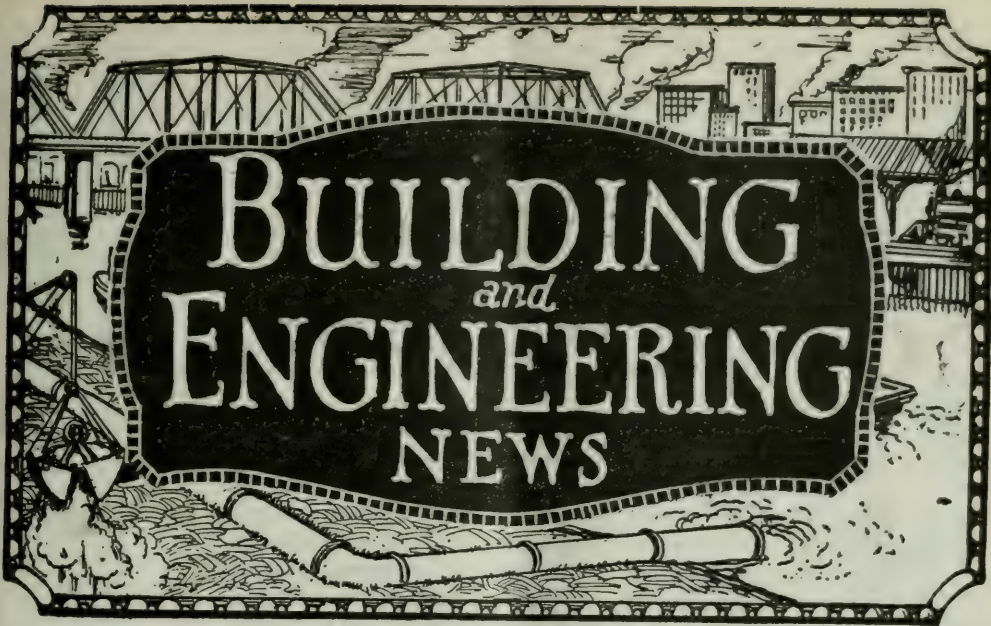
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SAN FRANCISCO, CALIF., NOVEMBER 21, 1931

Published Every Saturday
Thirty-fifth Year, No. 47

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Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

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Thirty-fifth Year, No. 47

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U. S. HOMES ARE FOUND OBSOLETE

The houses of this country are seen as "our greatest mass of obsolete and discredited equipment" by an investigating committee of President Hoover's conference on home building and home ownership.

The remedy, the committee thinks, is mass production of houses rather than individual construction of homes. It will make that recommendation when the conference meets Dec. 2.

It has come to the conclusion "new houses meeting an acceptable standard of living are too expensive for two-thirds of the population of the United States."

In consequence, the committee said, many families must continue living in dwellings far below present standards of sanitation and decency, "in some cases so far below as to be an actual menace to health and family life."

The reason for this, in the opinion of the committee on large scale operations, is that nobody has found a way of replacing the older structures at a cost as low as the "original one twenty or fifty years ago."

Contrasted with that, the committee said was the transformation of our standards in the last ten years where automobiles, radios and lighting facilities are concerned.

Mass production, or large scale operations, the committee believes, must be at least an adjunct in changing the present unsatisfactory situation.

1930 SAND AND GRAVEL PRODUCTION

The total production of sand and gravel reported by producers in the United States for 1930, according to statistics made available by the United States Bureau of Mines, Department of Commerce, amounted to 197,051,726 short tons, valued at \$115,176,543, a decrease of 11 per cent in quantity and 13 per cent in value in comparison with 1929. There were decreases in quantity and value for the total output of all classes of sand and gravel except paving gravel, the output of that material showing an increase of 7 per cent in quantity though the total value decreased 3 per cent, as compared with 1929. The increase in quantity of paving gravel was probably due to the large amount of road work done in 1930 in the effort to offset to some extent the prevailing business depression and unemployment.

New York and Illinois, with outputs of 20,865,866 and 17,398,693 short tons, respectively, were the largest producers of sand and gravel in 1930. Other states producing more than 11,000,000 tons each were as follows, in order of quantity produced: Ohio, California, Michigan, and Pennsylvania. New York and Pennsylvania led the States in total value of production in 1930.

L. A. CUTTING ENGINEERING STAFF

The city council of Los Angeles has approved the plans of J. J. Jessup, city engineer, and the board of public works to drop 96 technical employees from the city engineering department, effective Nov. 30, to meet retrenchment requirements. In addition, 79 unfilled positions in the department will be eliminated. Removal of the 96 employees will save the department \$152,000 for the present year.

MONTEREY BUILDING TRADES FOR 6-HR. DAY

A concerted move for establishment of a six hour working day has been launched by the Monterey County Building Trades Council as a means of distributing available jobs and thereby making it possible for greater numbers of local workers to find employment during the coming winter.

The Trades Council to further the move for the six-hour day adopted the following resolution:

"Whereas, the unemployment situation is becoming more acute, and

"Whereas, the prospects of an increased amount of employment during the coming winter is not very promising, and

"Whereas, the Building Trades is organized for the purpose of insuring to all members of organized labor a uniform condition, and

"Whereas, the Building Trades favor a proposition of working six hours a day, to the end that more men may gain employment thru a shorter work day.

"Therefore, Be It Resolved, that the Monterey County Building Trades Council urge all contractors and sub-contractors to maintain a six-hour working day for the next four (4) months.

G. G. BOND BID TO BE EXTENDED

Option of the bond syndicate which has agreed to buy the first issue of Golden Gate bridge bonds will be extended if a decision of the State Supreme Court in the test case now before it is not ready this week.

"This was the announcement of officials of the syndicate, following statements by the court that a decision could not be reached this week.

"The matter is under discussion by the court, but it is so involved that it takes time to untangle the problem," Chief Justice William H. Waste said. "There is no precedent, so an original decision must be made."

The action seeks to establish the right of the district to levy taxes in the event of revenue failure.

DOES NEVADA LAW STOP AT BOULDER DAM?

The State of Nevada last Friday was temporarily enjoined from enforcing within the Hoover Dam reservation when Six Companies, Inc., builders of the dam, obtained a Federal Court restraining order at Carson City.

The State seeks to prohibit the use of gasoline motor trucks in tunnel construction work on the ground that such motors are dangerous underground from the standpoint of explosions and monoxide gas. The injunction will be argued Nov. 23.

"If the State could prohibit us from the use of motor trucks it would mean the slowing up of work on the dam and the scrapping of several hundred thousand dollars in equipment," said W. A. Bechtel, president of Six Companies, who recently returned to San Francisco from an inspection trip at the dam.

Local Labor and Local Materials Is Salt Lake City Plan

To insure the employment of a maximum number of local workers and the use of local materials, Salt Lake City officials are including restrictions in contracts they are now awarding.

The city commission has awarded a contract for installing the Parley's canyon conduit to Frank Parrott, of Texas, on his low bid of \$928,24. Restrictions in the contract, to which Mr. Parrott has agreed, are as follows: (1) Labor must be rotated weekly, paid a minimum wage of \$3.50 for eight hours' work and handled through the organized employment relief committee's bureau. (2) Not more than four key men can be brought by the contractor from outside the state. (3) All materials used must be made in Salt Lake City or in Utah, and if not manufactured there, must be purchased through Salt Lake City or Utah agencies.

The commission has also instructed City Engineer Jessen to revise his cost estimates on a proposed storm sewer project, estimated to cost \$485,000, to be financed through an emergency municipal employment bond issue. The commission has instructed the city engineer to specify that all backfilling and as much pipe laying and digging as possible be done by hand.

A contract to build the Twenty-seventh South equalizing reservoir in Salt Lake City's new water-expansion program has been awarded to H. E. Schraven, lowest of thirteen bidders, at \$52,226.48. The contract contains provisions for weekly rotation of labor to provide as much unemployment relief as possible.

ARIZONA SUPREME COURT RULES PREVAILING WAGE LAW INVALID

The Arizona state law requiring that contractors must pay the prevailing per diem rate of wages on public works in that state was declared unconstitutional in an opinion handed down by the supreme court of Arizona October 15.

The opinion, written by Justice Henry D. Ross and concurred in by Chief Justice A. G. McAlister and Justice Alfred C. Lockwood, affirms the action of the Pima county trial court dismissing a complaint against the Jay J. Garfield Building Company, charging violation of the law. At the same time the court affirmed the dismissal of the charge brought in Maricopa county court against B. T. Perry under the same law.

The Garfield company was engaged in building and remodeling school houses in Tucson. It was charged in the complaint that it had failed to pay the current per diem rate of wages to Carl S. Smith, a carpenter, employed in the work. The per diem rate was claimed to be \$9 per day fixed by the carpenters' union and it was alleged Smith was paid \$8 a day.

The opinion of the supreme court holds the provisions of the Arizona statute concerning current wages is so uncertain as to deprive the contractor of his property without due process of law and for that reason violates the constitution. Although not stated, the opinion in effect holds that the Arizona statute, like the Ok-

lahoma law decided by the United States supreme court in the Connally case, is not sufficiently definite upon which to base a criminal prosecution for its violation.

It was brought out in the trial of the charge against the Garfield company in Tucson that the per diem rate of wages for the particular kind of work Smith did ranged from \$6 to \$10 a day. This, the supreme court declares, compares with the Connally case in which the per diem wage ranged from \$3 to \$4.05 a day.

In the opinion the high court declares that the prevailing rate appears to be that a state and its political subdivisions may establish a minimum rate of wages for laborers on public works. The matter is not then a question of the power of the legislature to prescribe a current rate of wages for manual and mechanical labor on public works, the court continues, but is whether that phrase in its context is sufficiently clear and definite to inform the employer of the per diem he should pay to satisfy the law. If the employer is not able to determine between two or more alternative wages that are open, which would comply with the statute, it cannot be said, the court contends, that the statute is definite and certain for in such case the court might conclude the alternative adopted by the employer was the wrong one.

SWOPE DEFENDS HIS PROPOSAL FOR STABILIZATION OF INDUSTRY

Before the Academy of Political Science at the Hotel Astor in New York last Friday night, Gerard Swope, president of the General Electric Company, made answer to some of the criticisms of this plan for the mitigation of industrial depressions, which he originally presented in an address before the National Electrical Manufacturers' Association on Sept. 16. Mr. Swope emphasized the "voluntary action" element in his plan, as opposed to compulsion, and re-affirmed his belief that stabilization of industry, particularly of employment, is possible by the procedure he has suggested, with full protection of the public interest.

Whether his plan is meritorious or not, he pointed out, the experience gained in endeavoring to put it into practice would of itself tend to correct its weaknesses. To believe, as some do, that industry simply cannot be stabilized, Mr. Swope asserted, is to adopt what Senator La Follette has termed the "counsel of despair" which would be a negation of all effort toward progress.

"No doubt," said Mr. Swope, "the plan for stabilization of industry along lines that I have suggested would have to be modified as we have more experience, but such experience can be had only by trying one scheme or another to solve the problem, which, unsolved, leaves us with all the present chaotic, unhappy and finally unendurable consequences."

Discussing the dissemination by trade associations of knowledge regarding trade practices and ethics, and the standardization of products, Mr. Swope quoted an opinion of the Supreme Court, handed down in 1923, which held that "the natural effect of the acquisition of wider and more scientific knowledge of business," could hardly be deemed a restraint of

commerce, or at least not an unreasonable restraint, "or in any respect unlawful."

Mr. Swope added that he believed American industry has long since passed the point where trade associations would curtail production, causing increases in prices to the public, a fear expressed by some people. "That the industry would endeavor to do," he said, "would be to prevent over production and would regard as an unfair competitor any member of such trade association who, knowing the consuming power of the public and the stocks on hand in the possession of all members of the association, nevertheless built up a large inventory, which later must be sold at reduced prices, quite regardless of cost. Such practices are unfair to the competitor, themselves, and highly unfair to the labor employed; and such prices below cost for a brief period are of no lasting benefit to the consuming public."

Modification of the Sherman anti-trust law along the line recommended by the American Bar Association to remove the criminal aspects of the law and to allow companies to make agreements which would be filed with the Federal Trade Commission and the Department of Justice was one method suggested by Mr. Swope for encouraging companies to participate in the plan by joining their respective trade associations. Another method which he suggested was to allow participating companies to deduct from their federal taxes the sums which they contribute to employ welfare funds.

To those critics who expressed the belief that his plan would mean in reality putting the government in business Mr. Swope made answer by pointing out that throughout the plan he had advocated "that the initiative be taken by the trade associations and

not by the government." The government supervisory body, he declared, would act as a referee or umpire to interpret unfair competition between members, or if necessary to protect the welfare of the public by its interpretation of agreements filed with the Federal Trade Commission or its study of production and price trends.

"The public interest will be protected, it seems to me," Mr. Swope continued, "because the federal supervisory body will receive reports periodically showing the volume of shipments and the amount of merchandise on hand. They will also know the price at which the merchandise has been sold at retail and they will have filed with them the income statements of members of the trade association, prepared on uniform basis."

"The volume of shipments will show whether production has been curtailed; the amount of merchandise on hand will show whether production is out-running consumption or vice versa; the retail price of the article will show the price trend, and the analysis of income statements, made on a uniform basis, will show whether the profits of the corporation engaging in this business have increased or decreased. These factors, it seems to me, would give all the information necessary for a Federal supervisory body to adequately protect the public interest."

"If, as already suggested, Congress by modifying and clarifying the Sherman law, encourages companies to join trade associations and offers inducement for such companies to stabilize employment, and these measures are approved and supported by public opinion, almost every company will join in this constructive endeavor and no compulsion will be necessary."

Mr. Swope reiterated that he considered the stabilization of employment, meaning assurance of employment with unemployment insurance if necessary, to be the most important feature of the plan.

"The result of taxing industry for a portion of the cost," he said, "will be to put a premium on industry's finding ways of stabilizing employment. The collateral effects, therefore, of unemployment insurance will be much more important to the employees, to industry, and to society than unemployment insurance itself."

"An important factor, which I think is basic, is that the cost of the product will include these items and will therefore be paid for by the users of the articles and not in general by members of the community through taxation."

Mr. Swope added that even if industry itself falls short of "an ideal accomplishment," more progress will be made and it will be better than cost and less "than if the government, either state or federal, endeavors to do it."

Contracts for public and semi-public works amounting to \$28,978,978 were awarded during the past week, the President's organization on unemployment relief announced yesterday. This brings the total awards in the last eleven months to \$2,718,634,926.

In the new Wright No. 15 Condensed Catalog, each type of Wright Hoisting and Conveying Equipment is described to make the catalog desirable for busy purchasing engineers, plant superintendents, and engineers who want the complete facts in a concise manner without the necessity of looking thru a large catalog. Among the types of equipment included in the catalog are: Hand Operated Chain Hoists, Trolleys, Trolley Hoists, Traveling Cranes, Jib Cranes and Electric Hoists. Copies can be obtained on request. Write to the Wright Manufacturing Company, Bridgeport, Conn.

THE OBSERVER

What He Hears and Sees on His Rounds

Will Rogers will have some fun with this one.

When land played a more important part in the community's financial structure than it does today, ancient governments taxed vigorously other forms of wealth, points out the National Association of Real Estate Boards.

The Romans taxed their Senators and used the funds derived thereby to help defray government costs. A man had to pay a special and extraordinary tax for the privilege of being a Senator.

When the Greeks went to war, they did not levy the huge costs of their campaigns on the land owners only, but obtained these sums by graduated income and property taxes, and imposed special burdens on rich citizens who were forced to equip ships; and to give plays, the proceeds of which went into the government coffers.

The Romans taxed animals, successions, income, and tradesmen, and placed duties on commodities sold at auction or in the public markets.

The Realty Association has just completed a year's study of possibilities of revisions in present tax systems that might relieve reality of some of the burden it now carries. This study is based on the theory that other forms of wealth today should help defray government costs as they were made to do thousands of years ago.

Initial deliberations of the San Mateo City Planning Commission on formation of a master plan for city development, contemplates limiting the height, uses and bulk of buildings in addition to architectural control of private building operations.

An outline of procedure submitted by City Manager E. P. Wilsey and City Attorney Ernest Wilson, divides the proposed plan into six clauses:

- (1) To limit height, uses and bulk of buildings.
- (2) Direction of major traffic arteries and designation of arterial highways.
- (3) Transportation terminals, transit lines, viaducts, and location of airports.
- (4) Recreational centers, including development of parks and playgrounds.
- (5) Location of civic center and grouping of buildings.
- (6) Architectural control of private buildings.

The outline suggests that the city council be asked to levy a special tax, under provisions of the planning act, to produce \$3000 required for engineering data, surveys, maps, etc., over a period of approximately three years.

It is also suggested that extensive reclassification of present zoning be made on survey data.

Under provisions for development of recreational centers the outline suggests inclusion of plans for a municipal golf course, development of a yacht harbor and study of proposed Western Pacific rail development in East San Mateo.

Unemployment is classed as one of the most vital problems with which business leadership is concerned, in a statement by Frederick J. Koster, President of the California State Chamber of Commerce, forecasting the discussion to take place at the West-

ern Divisional meeting of the Chamber of Commerce of the United States, to be held at Spokane December 4 and 5. Mr. Koster, who will tell the meeting of the aggressive action that California business organizations have taken to maintain and increase employment, declared the idle labor problem is to be one of great moment. As president of the State Chamber of Commerce, he will lead discussion of stabilization of business and employment at the Spokane meeting.

Indicating continued caution, requests received by the Blue Book service for special credit reports during October exceeded by about 20 per cent those handled for the month in 1930, the special statement from the National Lumber Credit Corporation for the November issue of The Lumber Market says. Claims placed for collection exceeded by 50 per cent those received during the month last year, though the average claim amounted to 10 per cent less. Collections are about the same as a year ago. Business troubles reported show bankruptcies 21 as against 16 last year; receiverships 15 against 14; 4 creditors' committees appointed against 6 a year ago; 2 composition settlements against 3; extensions 3 against 4, and 6 assignments against 1 in October, 1930.

Speaking of the new state law in Wisconsin relating to embezzlement of money paid on construction work, Jas. T. Drought, attorney for the Construction Industry Credit Bureau, Inc., of Milwaukee, said: "This law is an enlargement of the former law extending the provisions to include subcontracts as well as principal contractors within its purview and is important to the building industry generally because it establishes that all moneys received by a principal contractor or a subcontractor on building work, must first be used to pay up labor and material bills; if not so used, the offender shall be punished for embezzlement upon complaint of any person otherwise entitled to a claim for mechanics lien on that job who may be injured by the misappropriation. This will protect owners, building and loan associations and sureties on a contractor's bond. This makes it a punishable offense to use funds for one job for financing another job, or to divert the funds to the contractor's personal use until bills have first been taken care of. Unfortunately, the law is no guarantee to the owner, material man or building mechanics against embezzlement any more than laws can guarantee against bank robberies. However, if given sufficient publicity, this law should be an effective deterrent for those whose loose business and accounting methods do not always distinctly mark the difference between personal funds and construction funds."

Concrete highway paving awards in the United States continue to run ahead of last year, despite a decrease in awards for October, compared with October last year. For the first ten months of 1931 concrete highway awards totaled 104,079,287 square yards, against 98,159,083 square yards in the 1930 period.

The smart thing this year in milady's costume accessories is wood. Exclusive shops display wood buttons, necklaces, buckles, pocket-book clasps, umbrella handles, hat ornaments, and the thousand and one little things that give the correctly gowned woman that appearance of harmonious unity. The humble, useful, wood button has blossomed forth from its obscurity and no longer supports embellishing materials—it embellishes with its own beauty of grain, polish and coloring. It may be carved; it may be stained to blend with the costume; it may be left in its natural state, but wood it must be if you want to be smart.

In a few weeks thousands of women will be making up Christmas lists, confronted with the problem of what to purchase for relatives and friends that will please. All the wives, sisters, daughters and sweethearts in the lumber industry can do no better than look for the attractive new products featuring wood. They aid the industry that aids them and at the same time present a gift that is "the thing"—conservative and durable.

And at the very last minute thousands of men will be harassed with the perplexing thought of having nearly forgotten that December 25th is right upon them and they must do their bit of shopping. A string of charming wood hand-carved beads, with bracelet to match; a staunch umbrella with wood handle for a business associate; a holder for polished wood to keep some choice brand of cigars moist; book ends of beautiful wood for the student; wood in all of these is a "correct" purchase and those who buy can actually increase the use of their product by a little forethought.

One large department store in Chicago blazes the trail for the new fad by advertising WOOD in large letters in a conspicuous window. Everywhere the exclusive shops are displaying wood accessories with their ultra showings.

By unanimous vote the Los Angeles city council has requested the Los Angeles county supervisors to submit at the next election a proposition to divert \$5,000,000 of the \$25,000,000 fund voted for flood control in San Gabriel canyon to the construction of storm drains and channels in Ballona creek drainage district. This cannot be done except by a vote of the people in the Los Angeles county flood control district which includes the entire county except that part north of the San Gabriel mountains and Catalina Island. A proposed bond issue for Ballona creek project was submitted several years ago but it failed to receive the required number of votes. Los Angeles city has been called upon to pay more than half the cost of county flood control projects benefiting territory entirely outside the city, and Los Angeles voters feel that they are entitled to at least a small share of the flood control funds to aid major drainage projects within the city limits.

Seattle reports that some of the lumber mills have resumed operations, and a few logging camps have opened, mostly because employers desire to create temporary employment, especially in small communities where lumber provides almost the entire payroll. Rail volume of demand is light, but prices are holding.

Torchwood Equipment Co., 224 North Carpenter St., Chicago, Ill., has a 32-page pocket size catalog giving detailed information on welding and cutting torches, gas-pressure regulators and auxiliary equipment.

HERE—THERE EVERYWHERE

Bricklayers and stone masons of Niagara Falls voluntarily reduced wages \$2 per day, effective until April 1, 1932.

E. L. Clark has been appointed manager of the Sun Lumber Company's yard at Ventura, succeeding Bruce Watt, resigned.

Two crafts of Sioux City, Iowa, have made voluntary wage cuts. Bricklayers, 25c per hour, to \$1.25; carpenters, 12½c per hour, \$1.

Alfred C. Glazier and Ernest A. Kenney will operate from 1338 Park St., Alameda, under the firm name of Park Electric Company.

Bricklayers' union of Columbus, Ohio, has agreed to a cut of 26½ cents per hour, to \$1.30, which rate has remained in effect since 1926. The new agreement contains the five-day week clause.

The five-day week provision will be incorporated in all contracts let by New York City. The plan is adopted to afford employment to a larger number of men.

U. S. Bureau of Standards, Washington, D. C., is requesting acceptances from producers and users of granite curbstones of a standard size 5 in. wide and 16 in. deep.

The Los Angeles County supervisors have adopted a resolution fixing the prevailing wage scale for plasterers at \$9.00 per day with the understanding that \$9.00 is the union wage scale.

Possibilities of stabilizing business and employment, so as to lessen the effects of the present business recession, will be given major attention at the Western Division Meeting of the Chamber of Commerce of the United States, to be held at Spokane December 4 and 5.

International-Stacey Corp., Columbus, Ohio, announces the purchase of all the stock of the Stacey Mfg. Co., Cincinnati, Ohio, one of the largest companies in the country devoted to the design and fabrication of gas-holders and other high-pressure tankage.

W. H. Kirkbride has been appointed chief engineer of the Northwestern Pacific Railroad Co., with headquarters in San Francisco. He succeeds J. L. Campbell, retired. This new appointment for Mr. Kirkbride is in addition to his present duties as engineer of maintenance of way and structures for the Southern Pacific Company.

Wage cuts, with the consent of the mechanics, will become effective in Memphis, Tenn., on December 1, as follows: Painters, \$1 per hour, to 88¢; plasterers, \$1.50, to \$1; plumbers, \$2, to \$1.90; steamfitters, \$2.50 to \$10. Bricklayers' cut of \$1 or \$2.50 not yet decided.

Steel Watermains Association, Inc., has been formed by a number of steel pipe manufacturers to develop general publicity, to establish closer and more rational relations between buyers and fabricators and to assist customers in the development and preparation of

projects by supplying them with reliable data. Charles V. Witt, Huff Bldg., Greensburg, Pa., is chief engineer and general manager.

Location methods and equipment have developed rapidly during recent years both in this country and abroad, according to R. Getty Browning, chairman of the committee studying highway location for the American Road Builders' Association.

Studies are being made of aerial surveying, giving an experience with such a survey, instruments for highway surveying and equipment and methods used on recent highway surveys.

Instrument makers in England, Germany, France, Switzerland and the United States are experimenting with elaborate innovations.

Most engineers are extremely conservative in the matter of using methods other than those to which they are accustomed, and therefore installation of new equipment has been difficult.

Aerial photography has been used in the location of highways for several years. Refinements in mapping have recently resulted from greatly improved reproducing equipment. Topographical maps can now be made with accuracy from aerial photographs often at less expense than by ground methods.

The United States Army, a few states and larger counties have made use of the quicker and, in many instances, more economical locating methods.

This report, including information on the utility of instruments of recent design and aerial mapping, will be especially valuable to state, county and city engineers.

Application of the six-hour day and the five-day week for the machinists' trade appears as a possibility in San Francisco. In a letter signed by William Henneberry, recording secretary of the local lodge of the International Association of Machinists, all employers are asked to meet with union officials to discuss the unemployment problem.

The directors of the Sacramento Municipal Utility District have set December 16 as the date to decide the question of issuing and selling bonds of \$12,600,000 to finance construction of the Silver Creek Project which will provide that community with 70,000,000 gallons of mountain water daily.

Chas. Joseph Hurrie, 83, pioneer window glass manufacturer of the Pacific Coast, died last Friday at the Dante Sanatorium. A native of Spain, Hurrie, came to this country at the age of 23 and settled in Pennsylvania, where he became interested in the manufacture of window glass. Eventually he built and operated four plants in the East. In 1900 he was attracted to the Pacific Coast by the quality and accessibility of raw products for glass manufacturing, and built and operated the first Western plant at Stockton. This was followed by another at Torrance.

At a joint meeting in Baltimore on October 22 of the Maryland Section, Am.Soc.C.E., the Engineers Club of Baltimore and the affiliated national engineering societies, John F. Stevens, chief engineer of the Panama Canal during the early stages of its development, spoke on "The Canal Situation." He made it very clear that in his opinion building of a Nicaraguan canal is entirely unwarranted, that it would add a great

tax burden to the people of the United States and that it would provide another vulnerable point to be guarded in the event of war. He said that the Panama Canal is adequate for all uses until 1960 and that if a third series of locks is built it will in all probability have sufficient capacity for the next hundred years.

Alvin Harbour, Idaho state commissioner of public works, is having plans prepared by private engineers for the oiling of approximately 800 miles of state highway. The work is to be started in 1932. The estimated cost is \$1,900,000.

According to Engineering News-Record the average wage for skilled building trades mechanics for the country is \$1.16 per hour, compared with \$1.17 in October and \$1.39 in November, 1930. The average rate for common labor is 45.59c per hour, compared with 45.44c in October and 55.87c in November, 1930.

Reports of new orders for fabricated structural steel for the week ending October 24, 1931, were received from 101 establishments, whose capacity represented 54.9 per cent of the total capacity of all plants in the United States. The bookings reported by these establishments amounted to 9523 tons, representing 18.3 per cent of the total capacity of reporting establishments. Reports of shipments of fabricated structural steel for the same week were received from 98 establishments, whose capacity represented 52.7 per cent of the total capacity of all plants in the United States. The shipments reported by these establishments amounted to 21,399 tons, representing 44.0 per cent of the total capacity of the reporting establishments.

Governor Augustin Olachea of Lower California has announced that his government plans extensive highway improvements and other construction in the near future. Among the projects mentioned as immediate possibilities are construction of a highway between Tijuana and Ensenada; improvement of the long road, 850 miles, between Tijuana and La Paz; paving of roads below the border in accordance with San Diego county highway standards, to conform to that county highway system and to provide extensions into the northern part of Lower California.

American Zinc Institute, Inc., New York City, announces that a number of manufacturers, representing a substantial majority of the industry, have been licensed to use the "Seal of Quality" trademark of the Institute on galvanized sheets carrying a zinc coating heavier than that of regular commercial steels.

By a vote of two to one the taxpayers of Salt Lake City on October 27 authorized a \$600,000 bond issue for a storm sewer. The project involves construction of a system of storm and drainage sewers to protect lower areas of the city against flooding and will provide employment for about 5000 men, the work to be rotated. Local labor only will be employed, to be obtained through the local municipal employment bureau. Hand labor will be used on all units except a part of the excavation on the main system. It is estimated that the additional cost of hand labor over machine operations will be about \$35,000.

C. M. Couchot, electrical engineer, has been retained by the San Francisco Board of Supervisors on a month-to-month basis with a salary of \$500 a month, to continue his investigation of electric light and power rates paid by the city.

The Province of Quebec has launched a huge improvement program involving \$15,000,000. Through the co-operation of the federal and the provincial governments \$5,000,000 will be spent immediately on the trans-Canada highway in the province and on provincial and regional roads. This amount is in addition to the metropolitan boulevard, which will cost more than \$8,000,000, and the heavy expenditures made this year for road construction, improvement and maintenance.

A high-speed photoelectric relay, designated CR-7505-G-5, has been introduced by the General Electric Company as an addition to its line of electro tube control equipment. This device uses a Thyratron tube as a relay and finds its application in those operations where speed would be a limiting factor were a mechanical time relay used instead of the Thyratron.

Roland D. Doane, for several years advertising and sales promotion manager of the Lehigh Portland Cement Company, has joined the organization of Taylor, Rogers & Bliss, Inc., as Director of its Dealer Service Division. Taylor, Rogers & Bliss, Inc. is the only organization in the country exclusively devoted to market analysis and sales development in the building industry. This organization is working with a number of leading building material manufacturers and their advertising counselors in the merchandising of materials and equipment to architects, contractors, owners and other buyers of the building field. The new Dealer Service Division is established to work closely with building material dealers throughout the country, assisting them with sales plans for products, particularly specialties, which may be sold profitably to local buyers. Through this service products are analyzed from the dealer's own point of view as to their marketability, local sales methods, and the profits which may accrue to the dealer through handling them. The principal offices of Taylor, Rogers & Bliss are located in New York City and Chicago. Some of the typical clients of the organization include: Lehigh Portland Cement Company; International Nickel Company; Grinnell Company; National Steel Fabric Company; Common Brick Manufacturers Association; Haydite Manufacturers Association; Western Brick Company; David Lupton's Sons Company; Vitaglas Corporation; Concoleum-Nairn, Inc., and other leaders in various divisions of the industry.

Suppression of unfavorable news will not aid in restoring business confidence, but only leaves room for "panic mongers" to operate, declared Col. Frank Knox, publisher of the Chicago Daily News, in an address given last week before the Chicago Association of Commerce.

Referring to the responsibility of newspaper publishers and editors in building up favorable public sentiment in American business, Col. Knox remarked: "What we are confronted with really is a problem in mob psychology, one of the most intangible of intangibles, a thing which we understand very little, and methods for handling which we have not perfected

except in a very crude fashion. Of course a real influence upon mob psychology lies in the treatment of news stories.

"A steady intelligent effort to treat all news which effects popular confidence in business in a constructive manner will undoubtedly have some effect. This treatment, however, if intelligently applied does not involve a Pollyanna attitude.

"Suppression of news is never wholesome, and especially suppression of news designed for so highly literate and intelligent an audience as that comprising the newspaper readers of America is distinctly harmful. However, even the truth in bad news can be so handled that it will not be magnified out of all proportion to its importance but will serve its only useful purpose in providing a complete background for understanding.

"Newspaper publishers and editors are bombarded constantly by the suggestion of thoughtless people who protest the publication in newspapers of stories of bank failures, of frenzied raids on the market, or reduced earnings and all other items which make up a part of the news of the business activities of the country. Of course a community in which a newspaper consistently suppressed such items would be a community living in a fool's paradise.

"Indeed if the suppression of bad news were practised generally the exact reverse of the effect desired would follow because so long as men possess the power of speech and the news will travel from mouth to mouth and always grow in the telling. Thus a community in which suppression of unfavorable news was successfully practised would probably soon be characterized by unreasoning panic whereas a clear, unexaggerated and truthful report of actual news would leave little room for panic mongers to operate."

The tenacity with which people cling to their homes is one of the finest things about our civilization. From the standpoint of the building and loan association, there is no loan that has in it the element of security and safety such as the loan held by an association on a property occupied by the owner. The nearer you can bring the loan to the actual owner, the more secure you are that you will get your interest and amortization payments. The fact that the predominance of building and loan funds has been used to finance owner-occupied homes is important in view of the real estate situation today. The strength of these institutions lies in their adherence to this century-old fundamental principle of the business, and sets them apart as specialists in the home lending field.—C. H. Wade, president, California Building-Loan League.

Hereafter specifications for buildings erected by the Los Angeles board of education will contain clause calling attention of bidders to the prevailing wage law, the alien labor law and the eight-hour law as applied to public works in California. These will also be included in all contracts. According to an opinion given by County Counsel Everett Mattoon to County Auditor Payne, "failure of an officer of a political subdivision to observe the provisions of these laws in the contract does not make the contract void, but does make the officer, agent, or representative of the school district liable to prosecution and punishment upon conviction, and also imposes the same penalty upon a contractor who

fails to keep an accurate record in the manner called for under said laws." Hereafter all persons doing construction and repair work for the board of education will also be required to certify at the time of presenting their invoices for payment as to their compliance with these laws.

Emergency suspension of the anti-trust laws for the period of the business depression was the new note sounded by Wilson Compton, secretary and manager of the National Lumber Manufacturers' Association, in his address in New York last week before the National Conference on the Relation of Law and Business. The special emphasis of the conference, which was held under the auspices of the New York University Schools of Law, Commerce, Accounts and Finance, was placed on the anti-trust laws.

Calling attention to the paradoxical facts that the anti-trust laws operate to speed up depletion of forest resources at the very time when forest regrowth and utilization had come into virtual balance, thus dispelling the menace of forest exhaustion, Mr. Compton declared that they were now especially contributing to destructive economic dislocation of the lumber industry. The anti-trust laws were, he said, defeating their purpose; the "jungle competition" imposed by the anti-trust laws was operating to the injury of the public interest. This was true of the natural resource industries in general.

Specifically Mr. Compton proposed the adoption by Congress of a joint resolution to "suspend temporarily for the period of the present national economic emergency" the restraints of the anti-trust laws, particularly the Sherman law "insofar only as these laws relate to co-operation between competitors for the purpose of controlling production, stabilizing markets, maintaining employment opportunities and conserving natural resources."

Further, the natural resource industries would be permitted to take such steps as may be necessary to effect restoration and stabilization of industry and employment subject to such supervision by the Federal Trade Commission or other federal body as the public interest may require. Congress should follow up the emergency legislation with some permanent modification of the anti-trust laws in the interests of "permanent progress of business and industry security of employment and public welfare."

A line of horizontal electric air heaters for industrial applications is announced by the General Electric Company. Five ratings are listed: 1000 watts at 115 volts; and 1000, 2000, 3000 and 4500 watts at 230 volts. The heaters consist of a number of General Electric strip heaters mounted in black japanned, perforated, pressed steel cases. Each is equipped with three feet of armored cable and a three heat snap switch mounted on a standard conduit box. They are designed for wall or floor mounting.

John Lupton has been elected president of the Hoo Hoo Club of San Diego. Mearl Baker was chosen vice-president and Russell Piersall secretary-treasurer. George MacFarlane of San Diego, is the new general snark for San Diego, and Imperial counties, succeeding George F. Nolan.

Lewis Taylor Robinson, engineer in charge of the general engineering laboratory of the General Electric Company, died suddenly from a heart attack at his home in Schenectady Nov. 3. He was 63 years old.

Garrett M. Goldberg & Company, 1019 Mission St., manufacturers of paints, enamels, lacquers and varnishes, have been working on a catalogue to be sent to master painters of California, Nevada, Southern Oregon and the Hawaiian Islands, quoting up-to-date new prices on paints, brushes, glass, etc. This new catalogue will be sent out every 30 days to a select mailing list, and for the intervening months the special items will be sent out to the painter of some particular item which will be specified on during that month with a new and close price given thereon.

The new 42-B 1 1/2-cu. yd. electric shovel-dragline crane and hoist is described in a 20-page illustrated bulletin issued by the Bucyrus-Erie Co., South Milwaukee, Wis. Working ranges and specifications are included.

Uses of lumber pressure-treated by the ZMA process are described and illustrated in a bulletin prepared by the Curtin-Blow Co., 495 Lexington Ave., New York City.

Lincoln Electric Co., Cleveland, Ohio, has been appointed general industrial distributor for Blackor, a super-abrasion-resistant facing. Blackor is a black granular material of high-grade tungsten carbide for application to tools subject to abrasive wear. It is applied with a carbon arc.

With a substantial increase in its membership, seven more large oil companies having recently joined its ranks, The Asphalt Institute, New York, trade organization of the asphalt producers, will soon extend its activities to the Pacific Coast with a branch office in San Francisco. Up to this time the Institute has confined its educational, research and promotional activities to the territory east of the Rocky Mountains, its membership having been confined to that section of the country.

The new companies which have joined the Institute are the Standard Oil Company of California, the Union Oil Company of California, the Shell Oil Company of California, the Associated Oil Company of San Francisco, the Gilmore Oil Company of Los Angeles, the Colonial Beacon Oil Company of Boston and the Indian Refining Company of Lawrenceville, Ill. Companies already members of the Institute are the Standard Oil Company of New Jersey and the Standard Oil Company of New York, both with general offices in New York City; the Texas Company and the Hastings Pavement Company also of New York; the Barber Asphalt Company, Philadelphia; the Standard Oil Company of Ohio, located in Cleveland; the Standard Oil Company of Louisiana, with general offices in New Orleans; the James B. Berry's Sons Company of Chicago, and the Shell Petroleum Corporation of St. Louis. The probabilities are that several more companies will join the Institute during the next few months.

Marin County Supervisors have named the following as members of the County Planning Commission: Thomas Kent, selected to represent the Tax Payers' Association and the Marin Real Estate Board; W. M. Rutherford, who will represent the farm bureau, and Frank Howard Allen, who will represent the Property Owners' Association. The commission, which will include the supervisors, four appointees, the county engineer and the district attorney, is being formed to promote sanitary improvements, to supervise the laying out of subdivisions, and to preserve the natural beauties of Marin.

STATE SUPREME COURT TO HEAR TEST CASE ON VALIDITY OF WAGE AND ALIEN LABOR LAWS

Both the prevailing wage law, so-called, and the alien labor law, enacted at the last session of the California Legislature are attacked in a petition for a writ of mandate filed by the City of Pasadena against J. W. Charleville, city manager, in the supreme court of the state. The alternative writ has been issued by the lower court returnable at Los Angeles, December 8.

It is contended by City Attorney Harold P. Hulls in the petition filed for the city of Pasadena, that neither the prevailing wage law nor the alien labor law apply to cities operating under a free-holders' charter. The action is based on a contract awarded to the Crown Fence & Supply Co., Ltd., for a construction of a fence around a city reservoir, in which both laws were entirely ignored. City Manager Charleville refused to sign the contract on the ground that it did not comply with the prevailing wage or the alien labor laws and the action instituted is to compel him to sign the contract. The question of the constitutionality of either law is not raised directly by the City of Pasadena, but any unchartered city may join issue in the case and ask the court to pass upon the validity of the statute.

The grounds upon which the supreme court is asked to issue a writ of mandate are stated in the City of Pasadena's petition as follows:

1. That the principal points to be decided in this case are the questions of whether or not the Public Works Wage Rate Act of 1931, (Stats. 1931, Chapter 397), and the Public Works Alien Employment Act of 1931 (Stats. 1931, Chapter 398), apply to municipal corporations of this state organized and existing under freeholders' charters by the terms of which, pursuant to section 10 of Article XI of the Constitution of the State of California, such municipal corporations may make and enforce all laws and regulations in respect to municipal affairs, subject only to the restrictions and limitations provided in their several charters; that the said question is of first impression with the presentation of this petition and, in the broad terms of the said Public Works Wage Rate Act of 1931 and the Public Works Alien Employment Act of 1931, and the large number of cities of the state now operating under freeholders' charters which include the said home rule provisions now authorized by the Constitution, its solution is of such importance and urgency that it merits the consideration, discussion and determination of this Honorable Court, as the court of last resort of this state, for the present and future guidance of municipal officers and legislative bodies throughout the state.

2. That all of the issues of law which will be raised in this proceeding are of such general public interest and importance as to warrant and make imperative the early declaration of authoritative rules thereon such as only this Honorable Court can enunciate.

3. That by the writ which is sought herein, the City of Pasadena, a municipal corporation, seeks to compel its city manager, a municipal officer, to act in his official and public capacity; that the issue presented is a public in character and does not result from a dispute concerning private rights.

4. That there are represented herein all of the residents and taxpayers of this City of Pasadena; that if the Public Works Wage Rate Act of 1931,

and the Public Works Alien Employment Act of 1931, be found to apply to the City of Pasadena, the cost of government and of the construction of public improvements which is borne by the said residents and taxpayers will be greatly increased; and that the combined interest of the said residents and taxpayers in the subject of these proceedings warrants a consideration, discussion and determination of the questions herein presented by this Honorable Court.

5. That the City of Pasadena, as a political subdivision of the state, is constantly engaged in carrying on improvement work of a public character; that in numerous cases such work is done by means of a public contract awarded by the City to private contractors; that the necessity for such work is constantly arising and its orderly and efficient prosecution constitutes an important part of the duties of the city government; that the failure of the city government to initiate and prosecute public improvements when needed, without delay, would impair the proper functioning of the government, would hinder the efforts of the city to keep pace with growing population and increasing demands upon its public facilities, and would hamper the government in planning for future civic betterment; that the uncertainty as to whether the terms of the Public Works Wage Rate Act of 1931, and the Public Works Alien Employment Act of 1931 apply to improvement projects of chartered home rule cities has delayed and threatens to delay and hinder the initiation of public works not only in the City of Pasadena, but in chartered cities throughout the state.

6. That one of the questions of law involved herein is whether or not the failure to comply with the terms of the Public Works Wage Rate Act of 1931 or the Public Works Alien Employment Act of 1931, results in the execution of an invalid and unenforceable contract; that the danger of proceeding with public works under contracts of questionable validity has involved the subject in so much uncertainty and speculation that an early and authoritative decision containing the status of the said Act so far as it concerns chartered cities possessing powers of home rule is imperatively required in order to prevent the demoralization of public improvement plans of the City of Pasadena and other cities throughout the state; that the congestion in the calendars of the Superior Court in the County of Los Angeles and in the District Court of Appeals is so great that an immediate determination therein of the questions presented in this proceeding is impossible and that a truly authoritative determination of the said questions can be made by this honorable court.

7. That the facts which rise to this controversy are simple and of public record, and are not subject to dispute or contest; that the questions involved are legal in character and such as do not require reference to a trial court for determination.

8. That the failure to obtain a final judgment in this proceeding at an early date will seriously impair and delay not only the construction of the public improvement provided for in the said notice inviting bids, but also the entire program of the City of Pasadena for pending public works and improvements which are required for public welfare.

CONTRA COSTA COUNTY ADOPTS WAGE SCALE TO APPLY ON NEW HALL OF RECORDS BUILDING

Contra Costa County Supervisors have adopted a schedule of wages to be paid on the proposed new county Hall of Records Building to be erected at Martinez, from plans prepared by M. Geoffrey Bangs, Oakland architect. It is expected that bids for construction of the building will be asked next Monday. The scale of wages adopted is published herewith:

Asbestos Workers	\$ 8.00
Blacksmiths	8.00
Blacksmiths' Helpers	8.00
Bricklayers	11.00
Bricklayers' Hod Carriers	7.00
Cabinet Workers, outside	9.00
Carpenters	9.00
Carpenters' Helpers	5.50
Carpet and Linoleum Layers	9.00
Cement Finishers	9.00
Electric Workers	9.00
Elevator Constructors	10.40
Elevator Constructors' Helpers	7.00
Engineer, mixer	7.50
Engineer, portable and hoisting	9.00
Glass Workers	8.50
Glass Workers' Helpers	8.00
Hardwood Floormen	9.00
House Movers	8.00
House Smiths, architectural iron skilled, all branches	9.00
House Smiths, architectural iron unskilled, all branches	8.00
Iron Workers, bridge and structural	11.00
Iron Workers, engineers	11.00
Laborers, building	5.50
Laborers, concrete	5.50
Lathers, metal	10.00
Lathers, all others	8.50
Linemen	8.00
Marble Setters	10.00
Marble Setters' Helpers	6.00
Millmen, planing mill department	7.00
Millmen, sash and door	6.00
Model Makers	9.00
Model Casters	10.00
Mosaic and Terrazzo Workers	9.00
Mosaic and Terrazzo Workers' Helpers	6.00

MARIN COUNTY SUPERVISORS ADOPT PREVAILING WAGE SCALE

The Marin County Supervisors have amended the "prevailing scale of wages" to be paid on projects undertaken by that body. The original scale was adopted on September 15, but due to protests registered with the county board it was decided to amend certain portions of the scale.

The amended scale is published herewith:

Asbestos workers	\$ 8.00
Bricklayers	11.00
Bricklayers (hodcarriers)	7.00
Carpenters	9.00
Carpet linoleum workers	9.00
Cement finishers	9.00
Electrical workers	9.00
Elevator constructors	10.40
Elevator constructors' helpers	7.28
Engineers, hoisting, portable, quarries, tractors over 50 horsepower rollers, mixers	9.00
Engineers, asphalt plants, stone derricks	10.00
Engineers, bridge and structural	11.00
Engineers, piledrivers, derrick barges, cableways	10.00
Engineers, firemen and apprentices	7.00
Glass workers	8.50
Granite setters	11.00
Granite cutters	9.50
Hardwood floormen	9.00

Painters	9.00
Painters, varnishers and polishers, outside	9.00
Pile Drivers	9.00
Pile Drivers' Engineers	10.60
Plasterers	11.00
Plasterers' Hod Carriers	7.50
Plumbers	10.00
Plumbers' Helpers	5.50
Riggers	7.00
Roofers, composition	8.00
Roofers, others	6.00
Roofers' Helpers	7.40
Sash and Awning Hangers	9.00
Sheet Metal Workers	6.00
Shovel Operators	10.00
Shovel Cranesmen	8.50
Shovel Firemen	7.00
Shovel Oilers	6.00
Sprinkler Fitters	11.00
Sprinkler Fitters' Helpers	6.00
Steam Fitters	10.00
Steam Fitters' Helpers	5.50
Stone Setters	11.00
Stone Derrickmen	9.00
Tile Setters	10.00
Tile Setters' Helpers	6.00
Truck Drivers, auto, 2500 lbs.	6.00
Truck Drivers, 4500 lbs.	6.50
Truck Drivers, 4500 lbs.	7.00
Truck Drivers, over 6500 lbs.	7.50
Teamster, 1 horse	6.00
Teamster, 2 horses	6.50
Teamster, 4 horses	7.00
Teamster, plow, 4 horses	7.00
Teamster, scraper, 4 horses	6.50
Teamster, scraper, 2 horses	6.50
Welders	8.00

Foreman not less than \$1.00 more than wage for the particular craft. For any craft not included in list, the minimum per diem wage shall be the general prevailing wage for the locality and shall not be less than \$5.50 per day. Double time shall be paid for and one-half time shall be paid for overtime.

work on Sundays and holidays. One

Steamfitters	10.00
Stonemasons	11.00
Stonemasons	9.00
Stone derrickmen	9.00
Tilesetters	10.00
Tilesetters' helpers	6.00
Roofers	8.00
Teamsters (one horse)	6.00
Teamsters (two horse)	6.50
Teamsters (four horse)	7.00
Teamsters (plow)	7.00
Teamsters (scraper, two and four horses)	6.50
Teamsters (lumber, two horse)	7.00
Teamsters (two-horse truck)	7.00
Truck drivers (auto), under 2500 pounds	6.00
Truck drivers (auto), 2500 to 4500 pounds	6.50
Truck drivers (auto), 4500 to 6500 pounds	7.00
Truck drivers (auto), 6500 to 15,500 pounds	7.50
Truck drivers (auto), 15,500 to 20,500 pounds	8.00
Truck driver (auto), 20,500 pounds and over	8.50
Truck drivers (auto), 50 horsepower and less, tractor	8.00
Legal holidays, including Sundays and Saturdays, where crafts work a 5-day week and other overtime to be paid for at the rate of double time.	

KOEHRING, EQUIPMENT MANUFACTURER, SHOT

Phillip A. Koehring, president of the National Equipment Corp., Milwaukee, Wis., was found shot to death on Oct. 31, near Manston, Wis. His body was found in his automobile in a field into which his car had swerved. Authorities are investigating the case on the assumption that Koehring was murdered. The local coroner stated that the location of the bullet wound made it extremely unlikely that death had been caused by suicide.

Building Employment Reported on Increase

Thirteen hundred more building trades mechanics are now being employed in San Francisco than were at work in August of this year, according to an announcement of the Industrial Association. The census which the Industrial Association has just completed of building trades operations indicates that 4237 men were employed as of the date of the census as compared with 2951 in August of this year. One year ago there were 2841 mechanics covered by the Association's check.

"The census of building trades mechanics which the Industrial Association makes from time to time covers every job actually operating in San Francisco and constitutes an actual count of workers in each craft on these jobs," said Albert E. Boynton, Managing Director of the Industrial Association. "The improvement during the last three months is very encouraging in view of the seasonal trend which customarily shows a reduced volume of building operations at this time of year."

UNFILLED STEEL ORDERS DECREASE

Unfilled orders of the United States Steel Corporation decreased 25,401 tons in October to a total of 3,119,432 as of October 31. In September a decrease of 24,624 tons was reported.

The backlog as of September 30 was 3,144,833 tons. On August 31 unfilled orders aggregated 3,169,457 tons, against 3,404,816 tons on July 31. On October 31, 1930, unfilled orders amounted to 3,451,763 tons.

Building News Section

APARTMENTS

Sub-Contracts Awarded.

ALTER FOUR APTS. Cost, \$9000
SAN FRANCISCO. No. 30 Liberty St.
Alterations and additions to two-story
and basement frame and stucco
flats for apartments (four 2-room
and three 3-room apts.)

Owner—E. Faust, 30 Liberty St., San
Francisco.

Architect—Not Given.

Contractor—F. Lindgren, 77 Ramona
St., San Francisco.

Lumber—Sudden Lumber Co., Evans
and Quint Sts., San Francisco.

Mill Work—Warden Bros., 2501 Army
St., San Francisco.

Plumbing and Steam Heating—Higgins
& Kraus, 741 Tehama St., S. F.

Sheet Metal—Atlas Heating Co., 557
Fourth St., San Francisco.

Tile Work—Martin Nelson, 2847 Army
St., San Francisco.

House Moving—Hanson Bros., 5840
Mission St., San Francisco.

Plastering—John Johnson, 1601 Ninth
Ave., San Francisco.

Electric—Wm. Weindorf, 9 Pomona
Ave., San Francisco.

Painting—A. W. Lindgren, 1331 Gil-
man Ave., San Francisco.

Plastering Contract Awarded.

APARTMENTS Cost, \$35,000
SAN FRANCISCO. NW Pierce and
Capra Streets.

Three-story and basement frame and
stucco apartment building (nine 4-
room apts.) tar and gravel roof,
steam heating system, electric re-
frigeration, colored tile baths and
kitchens, hardwood floors, etc.

Owner and Builder—A. T. Morris &
Sons, 3500 Fulton Street.

Plans by Owner.

Plastering—M. J. King, 666 Mission St.
As previously reported, wiring con-
tract awarded to Minkel & Lucas, 1535
Folsom St.; plumbing to Jas. Pinker-
ton, 927 Howard St.; lumber to Chris-
tensen Lbr. Co., 5th and Hooper Sts.

Plans Completed.

APARTMENTS Cost, \$30,000
RICHMOND, Contra Costa Co., Calif.
NE 23rd St. and Macdonald Ave.

Three-story apartments and store
building (12 2- and 3-room apts.
and two stores).

Owner—Withheld.

Architect—Withheld.

Agent—Burg Brothers, 323 23rd Street,
Richmond.

Bids will be asked when financing
arrangements are completed.

Preparing Plans.

APARTMENTS Cost, \$—
LOS ANGELES, Cal. No. 1220 Menlo
Avenue.

Five-story and basement Class B
apartment (75 units).

Owner—Russell Peyton.

Architect—W. Douglas Lee, Textile
Center Bldg., Los Angeles.

Sub-Contracts Awarded.

APARTMENTS Cost, \$250,000
SAN FRANCISCO. Corner Fillmore
St. and Pacific Ave.

Six-story and basement reinforced con-
crete apartment house (two-story
basement for garages, steam heat,
oil burner, electric refrigeration,
incinerator, etc.; 60 2- and 3-room

apts.; all modern equipment and
finishing).

Owner—Marian Realty Co., 110 Sutter
Street.

Architect—H. C. Baumann, 251 Kear-
ny Street.

Ventilating—Western Furnace & Cor-
necia Co., Lansing and Essex Sts.
Incinerator—Kerner Incinerator Co.,
450 Clementina St.

Other awards will be made shortly.
As previously reported, structural
steel awarded to McClintic-Marshall,
2050 Bryant St.

CHURCHES

Complete Bids Listing.

CHURCH Cost, \$100,000
BAKERSFIELD, Kern Co., Cal. Trux-
ton Ave., bet. L and M Sts.

Two-story reinforced concrete church
(260x40 feet, terra cotta exterior,
wood roof trusses, tile roofing,
steel sash, cathedral glass).

Owner—First Baptist Church (Rev. F.
O. Belden, pastor), Bakersfield.

Architect—Chas. H. Biggar, Haber-
felde Bldg., Bakersfield.

General Work

William Eissler, P. O. Box 523,
Bakersfield \$59,900

Currie & Dulgar, Bakersfield.... 73,375

G. A. Graham, Bakersfield..... 77,379

Opperman & Hullett, Bakersfield 78,500

Plumbing

Bakersfield Plumbing Co., 1817
M St., Bakersfield..... \$4162

W. W. Smetzer..... 4188

Modern Plumbing Co..... 4544

Gundlach Plumbing & Sheet
Metal Co..... 4550

Binns Plumbing Co..... 4992

Heating and Ventilating

Gundlach Plumbing & Sheet
Metal Co., 2324 Chester Ave.,
Bakersfield \$4930

George Wolfson 5544

W. M. Fisher 6350

Linoleum

Minners Co., Bakersfield..... \$1918

Hunt Furniture Co..... 2115

Electric Work

Advance Electric Co., 909 18th
St., Bakersfield \$4141

Drury Electric Co..... 4340

Sam Fingerhut 4600

Bids taken under advisement. Low
bidders on this project previously re-
ported.

SKILSAW Portable Electric Hand
Saws (4 models).

SKILSAW Portable Electric Sander

SKILSAW Radial Arm Attach-
ments.

SYNTRON Portable Electric Ham-
mers (4 models, motor-
less).

MALL Flexible Shaft Machines (50
models).

Electric Drills, Grinders, Buffers,
Routers, Lock Mortisers.

PETER H. NELSON

Labor Saving Portable Electric

Tools.

1248 Mission St.

Underhill

San Francisco

7662

SALES . SERVICE . RENTALS

Contract Awarded.

CHURCH Cost, \$125,000
SANTA BARBARA. Santa Barbara
Co., Cal. Santa Barbara and Va-
lerio Streets.

One-story reinforced concrete and
steel church (to seat 800); tile roof,
structural steel, steel sash, heating
and ventilating systems, art
stained glass, etc.

Owner—First Church of Christ Sci-
entist.

Architect—H. H. Gutterson, 526 Powell
St., San Francisco.

Contractor—W. L. Snook, 1835 Mission
Bridge, Santa Barbara.

SANTA MARIA, Santa Barbara Co.,
Cal.—Baptist Church, Rev. I. R. Wall,
pastor, contemplates erecting a new
edifice in Santa Maria. S. R. Works
and W. E. Marriott are members of
the building committee.

Plans Being Figured—Bids Close Nov.
23.

REMODEL CHURCH Cost, \$4000
OAKLAND, Alameda Co., Cal. 26th
and Harrison Streets.

Alterations to church interior (new
pews, etc.)

Owner—First Congregational Church,
Premises.

Architect—W. H. Ratcliff Jr., Cham-
ber of Commerce Bldg., Berkeley.

FACTORIES AND WARE- HOUSES

Sub-Contracts Awarded.

ALTERATIONS Cost, \$6000
SAN FRANCISCO. 1000 Brannan St.

Alterations to warehouse (steel canopy
corrugated iron work, iron plat-
form, etc.)

Owner—Western States Grocery Co.
Engineer—Couchot & Rosenwald, 525
Market Street.

Contractor—Barrett & Hilp, 91 Harri-
son Street.

Electric—Wiedenthal-Gosliner Electric
Works, 353 10th St.

Steel—Western Iron Works, 141 Beale
Street.

Reinforcing Steel—Pacific Coast Steel
Co., 20th and Illinois Sts.

Concrete—Rode Gravel Co., 235 Ala-
bama Street.

Plans Being Prepared.

WAREHOUSE, ETC. Cost, \$45,000
CONCORD, Contra Costa Co., Calif.

Group of buildings (warehouse, ga-
rage, residences, etc.; corrugated
iron and wood frame construction)

Owner—Pacific Gas & Electric Co., 245
Market St., San Francisco.

Plans by Eng. Dept. of Owner.

Bids will be asked in about 6 weeks.

CRESCENT CITY, Del Norte Co.,
Calif.—Organization of Crescent City
Harbor District voted Nov. 10 with a
view to improving recent City harbor
by dredging, construction of jetties,
breakwaters and warehouse.

Plans To Be Prepared.

CANNERY Cost, \$—
ARCATA, Humboldt Co., Calif.

Modern fish cannery (60x100-ft.; will
be equipped with necessary re-
ports, steam boilers, etc.)

Owner—Stacey Fisher and Chester
Paul, care J. C. Bull Co., Arcata.

Architect—Not Given.

Mill Works and Sheet Metal Contracts Awarded.

MISC. BLDGS. Cont. price, \$18,997
SAN FRANCISCO. Third and Parnassus Avenues.

One-story reinforced concrete inclinator building and one-story reinforced concrete or concrete and wood frame corporation and yard building.

Owner—Regents of the University of California.

Architect—Wm. Hays, Crocker First National Bank Bldg.

Contractor—J. S. Hannah, 268 Market Street.

Will have a composition and granite roof, the transit portion to be on two sides for a marquee.

Mill Work—Pacific Mfg. Co., 1315 7th St., Oakland.

Sheet Metal—Holly Heating Co., 141 Steiner St., San Francisco.

Other awards reported Oct. 19, 1931.

Sub-Bids Being Taken.

FACTORY & STORES Cont. \$20,000
OAKLAND, Alameda Co., Cal. Lakeshore Avenue.

Two-story brick factory and store (tile floors, steel sash, soda fountain, kitchen equipment, etc.)

Owner—Edy Candy Co., 3315 Grand Ave., Oakland.

Architect—Miller & Warnecke, Financial Center Bldg., Oakland.

Contractor—Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.

Construction will start immediately.

Structural Steel and Misc. Iron Contracts Awarded.

ALTER BLDG. Cont. \$4200
SALINAS, Monterey Co., Calif. 140 Main Street.

Alterations to motor coach station, shop and garage.

Owner—Pacific Greyhound Lines, Inc., 9 Main St., San Francisco.

Plans by Eng. Dept. of Owner.

Contractor—Charles Dawe, 981 Peralta St., Berkeley.

Structural Steel and Misc. Iron—San Jose Iron Works, 535 W San Carlos San Jose.

FRESNO, Fresno Co., Cal.—The Benham Ice Cream Company, 1420 H St., Fresno, Dudley N. Carlsen, Mgr., plan to install approximately \$35,000 worth of equipment in their creamery. New equipment will consist of quick freezing machinery, pasteurization equipment and new continuous freezers with mixers.

Owner Taking Bids.

CANNERY Cont. Approx. \$50,000
GILROY, Santa Clara Co., Cal.

One-story reinforced concrete and wood frame cannery (265x140 ft.)

Owner—Flice & Perrelli, Gilroy and Richmond.

Architect—Wm. Knowles, 1214 Webster St., Oakland.

Bids are being received by owner at the Richmond office, 10th and Hall Streets.

Planned.

MADERA, Madera Co., Calif. Municipal Airport.

Sheet iron hangar (4 planes).

Owner—City of Madera.

Architect—Not Given.

Lessee—F. Don Carlos, Madera.

FLATS

Sub-Bids Being Taken.

FLATS Cont. \$3000
SAN FRANCISCO. E Webster 75 N North Point St.

Two-story and basement frame and stucco flats (two five-room flats; breakfast room, tile and composition roof, electric and gas hot air

heating system, electric refrigeration, colored tile baths and kitchens, hardwood floors).

Owner and Builder—Severin Steinauer, 755 27th Ave.

Architect—R. H. Irvine, Call Bldg.

Contract Awarded.

FLATS Cont. \$8000
SAN FRANCISCO. E Prospect, 150 S Virginia.

Two-story and basement frame and stucco flats (2 flats).

Owner—J. Begley, 1206 Valencia St.

Architect—Not Given.

Contractor—H. S. Meinberger, 343 4th Street.

Contract Awarded.

FLATS Cont. \$7000
SAN FRANCISCO. N Greenwich 140 W Grant Ave.

Two-story and basement frame and stucco flats (2 flats).

Owner—P. Cecchi, 33 Edith Place.

Architect—L. Mastropasqua, 580 Washington Street.

Contractor—Franchia & Truffelli, 2450 Chestnut St.

GARAGES AND SERVICE STATIONS

Contract Awarded.

AUTO SALES BLDG. Cont. \$—
PETALUMA, Sonoma Co., Calif. East Washington St. near Baylis.

One-story frame and stucco automobile sales building (100x75) sides and rear of corrugated steel, 12 foot plate glass windows, etc.)

Owner—M. Ler & Sons, 17 E Washington St., Petaluma.

Plans by Mr. Hill.

Contractor—W. C. Hill, care owner.

Construction has just been started.

Contract Awarded.

GARAGE, OFFICE, ETC. Cont. Price, \$20,062
WEST OAKLAND, Alameda Co., Cal. California Blvd. and Gough St.

One-story reinforced concrete garage (40x209 ft.); corrugated iron roof; one-story frame and stucco office (50x90 ft.); built-up roof, and one-story frame trailer shed (400 ft. in length).

Owner—Merchants Express & Draying Co. (Mr. Scott in charge), 1640 18th St., Oakland.

Architect—George Ellinger, 1723 Webster St., Oakland.

Contractor—Nick Wierck, 1560 Alice St., Oakland.

Contract awarded accepting alternates 5 and 6. Bids on plumbing, steam heat and paving held under advisement.

Plumbing and Heating Contracts

Awarded.

GARAGE, ETC. Cont. price, \$20,062
WEST OAKLAND, Alameda Co., Cal. California Blvd. and Gough St.

One-story reinforced concrete garage (40x209 ft.) corrugated iron roof; one-story frame and stucco office (50x90 ft.) built-up roof, and one-story frame trailer shed (400 ft. in length).

Owner—Merchants Express & Draying Co. (Mr. Scott in charge), 1640 18th St., Oakland.

Architect—George Ellinger, 1723 Webster St., Oakland.

Contractor—Nick Wierck, 1560 Alice St., Oakland.

Plumbing—H. E. Salisbury, 1541 Sixth Ave., Oakland, \$1,228.

Heating—Scott Co., 113 10th St., Oakland, \$890.

Paving bids held under advisement.

Contract Awarded.

GARAGE Cont. \$10,000
BERKELEY, Alameda Co., Cal. Camp-

us of the University of California. One-story reinforced concrete garage (20 cars).

Owner—University of California.

Architect—Warren Perry, 260 California St., San Francisco.

Contractor—E. Tranmal, 483 Crescent, Oakland.

Preparing Preliminary Plans.

GARAGE, ETC. Cont. \$25,000
SAN FRANCISCO. Van Ness Ave.

One-story reinforced concrete garage and auto sales building (60x100-ft.); tar and gravel roof, concrete walls, steel sash, plate glass windows).

Owner—Withfield.

Architect—Powers & Ahnden, 26 O'Farrell St.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—Bids are being received by the Bureau of Supplies & Accounts, Navy Department, Washington, D. C., to furnish and deliver miscellaneous supplies and equipment as noted in the following schedules, further information being available from the Navy Purchasing Officer, 100 Harrison St., San Francisco.

Bids Close Dec. 1

Mare Island, machine screws and nuts; sch. 6891.

San Diego, 1 motor driven pipe threading machine; sch. 6892.

Mare Island, distributors, starting motors, generators and spares, for motor boat gasoline engines; sch. 6900.

Western yards, conduit pipe; sch. 6904.

Montara, Calif., 1 motor truck; sch. 6899.

Western yards, fuses and fuse elements; sch. 6909.

Mare Island, glasses for airports; sch. 6914.

Western yards, insulating fiber; sch. 6906.

Mare Island, 1 motor-driven pipe-bending machine; sch. 6919.

Western yards, 8 air selector equipments and spares; sch. 6925.

Western yards, stamping figures and letters; sch. 6936.

Western yards, electric soldering irons and 6 electric glue pots; sch. 6935.

Bids Close Dec. 8

Western yards, 6,200 lbs. boat facing; sch. 6920.

Western yards, screw anchor shackles; sch. 6927.

SACRAMENTO, Cal.—Until Nov. 27, 3 P. M., under Order No. 3900, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver f.o.b. trucks or railroad cars at Marysville, Yuba Co.

625 ft. 16-gauge, corrugated galvanized iron culvert pipe, 8 inches in diameter in 25 ft. lengths;

350 ft. do in 14 ft. lengths;

The purpose of these specifications is to obtain 25 25-ft. lengths and 25 14 ft. lengths of 16 gauge, 8 inch diameter corrugated galvanized iron culvert pipe. Two diametrically opposite holes shall be drilled in one end of each section of pipe. The holes shall be 1/2-in. in diameter and drilled 4-in. from the end of the pipe on a diameter not more than 30 deg. from the diameter through the longitudinal joint.

Plans Being Figured—Bids Close Dec. 18, 2 P. M.

ANIMAL HOUSE Cont. \$—
TUCSON, Arizona.

Construct Animal House at Veterans' Hospital.

Owner—U. S. Government.

Plans by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto.

This work will include excavating, backfilling, plain and reinforced con-

crete work, hollow building tile, lathing and plastering, roofing and sheet metal work, carpentry, glazing, hardware, insect screens, painting, electric and plumbing work and woven wire fence and gates. Plans obtainable from the Supervising Superintendent of Construction at Palo Alto.

Low Bidder.
POST OFFICE Cost, \$—
Class A Post Office.
 Owner—United States Government.
 Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Low Bidder—MacDonald Building Co.,
 1517 S Tacoma Way, Tacoma, (1) sandstone, \$123,972 (2) terra cotta \$122,825.
 Complete list of bids will be published shortly.

MARCH FIELD. Riverside Co., Cal.—Until 11 A. M., Dec. 15, bids will be received by Col. W. C. Gardenhire, Constructing Quartermaster, March Field, for concrete work, manholes, vaults and conduit lines for the installation of night lighting equipment at March Field. Further information may be obtained from March Field.

Prospective Bidders.
POST OFFICE EXTENSION \$—
ALAMEDA, Alameda Co., Cal.
 Fireproof extension to Post Office and remodel present quarters.
 Owner—United States Government.
 Plans by Supervising Architect's Office, Treasury Dept., Washington, D. C.

Following contractors have secured plans:

General Work
W. G. Thornally, 354 Hobart St., Oakland.
Schuler & McDonald, 1723 Webster St., Oakland.
Geo. Swannstrom, 1723 Webster St., Oakland.
W. E. Lyons, 354 Hobart St., Oakland.
Wm. MacDonald Constr. Co., St. Louis, Mo.
George Petersen, P. O. Box 104, San Leandro.
E. T. Leiter & Son, 811 37th St., Oakland.

Elevators
Gurney Elevator Co., 109 W. 64th St., New York.
Atlantic Elevator Co., Erie Ave. and D St., Philadelphia.
Otis Elevator Co., Washington, D. C.
J. Matson-General Electric Co., Schenectady, N. Y.
Washington Electric Co., 308 Walnut St., Philadelphia.
A. B. See Elevator Co., 140 H St., N. M., Washington, D. C.
Houghton Elevator Co., 1103 Vermont Ave., Washington, D. C.
Elevator Locks Co., 119 N. Washington St., Peoria, Ill.
Reliance Elevator Co., 212 Kinzie St., Chicago, Ill.
S. Heller Elevator Co., Milwaukee.
R. G. Welford Reo, Kelfory Mfg. Co., P. O. Box 510, Raleigh.

Bids will be opened Dec. 4 by Supervising Architect, Washington, D. C.

Additional Prospective Bidders.
OFFICES Cost, \$1,287,500
PORTLAND, Oregon. Broadway Madison, Sixth and Main Sts.
 Seven-story and basement Class A Federal Offices.
 Owner—United States Government.
 Architect—Whitehouse, Stanton & Church, Railway Exchange Bldg., Portland, Oregon.

Following are additional prospective bidders. Others reported Nov. 5.
General Work
Robert E. McKee, Central Bldg., Los Angeles.

Guy F. Atkinson Co., 235 Montgomery St., San Francisco.
Western Constr. Co., Seaboard Bldg., Seattle, Wash.
Reimers & Jolivet, Railway Exchange Bldg., Portland, Ore.
Elevator
Shepard Elevator Co., 2413 Colerain Ave., Cincinnati, Ohio.
 Bids will be opened Nov. 30 by Supervising Architect, Washington, D. C.

Commissioned To Prepare Plans.
POST OFFICE Cost, \$—
NAPA, Napa Co., Cal. Randolph and Second Sts. (240x120 feet).
 Class A post office.
 Owner—United States Government.
 Architect—Reed & Corlett, Oakland Bank Bldg., Oakland.

Preparing Working Drawings.
POST OFFICE ADDN. Cost, \$750,000
SAN FRANCISCO. Seventh and Mission Streets.
 Four-story Class A reinforced concrete addition to Post Office (granite exterior).
 Owner—United States Government.
 Architect—George W. Kelham, 315 Montgomery St., San Francisco.
 Plans will be completed in about sixty days.

BERKELEY, Cal.—As previously reported, Otis Elevator Co., 1 Beach St., San Francisco, at \$2,664 submitted the low bid to Supervising Architect, Treasury Department, Washington, D. C., to furnish and install elevator in Berkeley Postoffice. Following is a complete list of bids:

Otis Elevator Co., Washington, \$2,664.
Shepard Elevator Co., Cincinnati, \$3,360.
Spencer Elevator Co., San Francisco \$3,516.
Kimball Bros. Co., Council Bluffs, Iowa, \$3,741.
Pacific Elevator & Equipment Co., San Francisco, \$3,950.

SACRAMENTO, Cal.—Until Nov. 23, 3 P. M., under Order No. 3855-1877, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County:

Fin. Rough, No. 1, Common
 341-ft. (4 pcs.) 8x8-in. x 16-ft.;
 192-ft. (4 pcs.) 6x8-in. x 16-ft.;
 64-ft. (1 pc.) 6x8-in. x 16-ft.;
Redwood Rough, No. 1, Common
 504-ft. (42 pcs.) 2x6-in. x 12-ft.;
 576-ft. (36 pcs.) 2x6-in. x 16-ft.;
 432-ft. (24 pcs.) 2x6-in. x 18-ft.;
 640-ft. (20 pcs.) 2x12-in. x 16-ft.;
 64-ft. (8 pcs.) 2x4-in. x 12-ft.;
 144-ft. (12 pcs.) 1x12-in. x 12-ft.;
 933-ft. (40 pcs.) 2x10-in. x 14-ft.;
 341-ft. (16 pcs.) 4x4-in. x 16-ft.;
 224-ft. (8 pcs.) 2x12-in. x 14-ft.
 1 piece Oak, round, No. 1 common, finished size 5-in. dia x 12-ft. long.

HONOLULU, T. H.—Russell R. Ames Hawaiian Trust Bldg., Honolulu, at \$54,416 awarded contract by Bureau of Yards and Docks to erect Utilities Building at Pearl Harbor.

NEPHI, Utah.—Bernston Bros., 2336 S 21st St., East, Salt Lake City, Utah, submitted the low bid at \$51,850 (limestone exterior), and \$54,389 (sandstone exterior), to the Treasury Department, Washington, D. C., for construction of a postoffice building at Nephi, Utah for the United States Government.
Enoch Chytrus & Son, Salt Lake City, next low at \$53,337 and \$54,587 and **Whitmeier & Son Co.,** Ogden, next at \$52,994 (limestone exterior).

Contract Awarded.
POST OFFICE Cont. price, \$105,000
BERKELEY, Alameda Co., Calif. Milvia and Kittredge Sts.

Extension and remodeling of post office (except elevator).
 Owner—United States Government.
 Plans by Supervising Architect, Treasury Dept., Washington, D. C.
 Contractor—K. E. Parker Co., 135 South Park, San Francisco.

MARTINEZ, Contra Costa Co., Cal.—Congressman C. F. Curry will seek \$32,444 appropriation to finance installation of lights in the Pittsburgh-Stockton deep water channel near Antioch to minimize the hazards of navigation.

Plans Being Figured—Bids Close Nov. 25, 11 A. M.
PARTITIONS Cost, \$—
SAN FRANCISCO. No. 100 Harrison Street.
 Re-arrange offices (Specification No. 6741).
 Owner—U. S. Government.

Plans by Public Works Officer, Mare Island Navy Yard, Mare Island.
 This work will involve the removal of existing partitions, the relocation of branch exchange telephone booth; and the installation of new partitions, new case, shelving, ceiling, sash, doors glazing, plastering and painting; also the relocation of existing plumbing fixtures, electric fixtures, and radiators and the re-installation of new plumbing and electric fixtures, including all necessary piping, fittings and electric wiring, for rearrangement of Dispensary and Planning Office, Fifth floor, District Staff Headquarters.

MARE ISLAND, Cal.—Q. R. S. Neon Corp., 306 7th St., San Francisco, at \$1,335 submitted low bid to Public Works Officer, Mare Island Navy Yard to install an illuminated airway marker located on the roof of Bldg. No. 390. Following is a complete list of the bids received:
Q. R. S. Neon Corp., S. F. \$1,335
W. B. Baker, S. F. 1,485
Apex Elec. Co., S. F. 1,498
Brumfield Elec. Co., S. F. 1,659

SUNNYVALE, Santa Clara Co., Cal.—Until December 1, 11 A. M., under Specification No. 6734, bids will be received by Public Works Officer, 12th Naval District, 100 Harrison St., San Francisco, to erect an anchorage mooring circle at Sunnyvale Air Base in Santa Clara County. The project will involve the construction of a concrete foundation for the mast and the construction of a circular railroad track. Specifications obtainable from Public Works Officer, 12th Naval District.

Plans Being Figured—Bids Close Nov. 30, 2:30 P. M.
STABLE Cost, \$—
LIVERMORE, Alameda Co., Cal.
 Rebuild stable and animal house.
 Owner—United States Government.
 Plans by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto.

This work will include cement and concrete work, iron work, tile roofing, ventilators, plastering, stucco wash, carpentry, insect screens, hardware, painting, glazing, plumbing and electrical work. Plans obtainable from the Supervising Superintendent of Construction at Palo Alto.

SAN FRANCISCO.—Otis Elevator Co., 1 Beach St., San Francisco, at \$2,664 submitted low bid to Supervising Architect, Treasury Dept., Washington, D. C., to furnish and install elevator in Berkeley Postoffice. Complete list of bids will be published shortly.

SAN DIEGO, Cal.—Dohrmann Hotel Supply Co., 444 S. Broadway, Los Angeles, submitted the low bid of \$7762.99 to the Eleventh Naval Dis-

trict, San Diego, for furnishing galley and cafeteria equipment for the Naval operating Base (Air Station), San Diego; specification No. 6563. Peterson Showcase & Fixture Co., 5700 E. San Pedro St., Los Angeles, submitted low bid at \$570 for soda fountain equipment.

SALT LAKE CITY, Utah.—Until December 16, 2:30 P. M., bids will be received by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, Calif., for installing gas distribution lines and gas and oil burning equipment at the Veterans' Hospital at Salt Lake City, Utah. This work will consist of excavating, backfilling, piping, valves, fitting non-conducting pipe covering, regulators, fuel oil tank, concrete foundations and pipe trench; oil pumps, strainers, heaters, traps, meters, thermostatic regulator, relief valves, oil burners, gas burners, gauges, brickwork, lower boiler fronts, motors, controllers, conduit and wiring. Plans obtainable from the Supervising Superintendent of Construction at Palo Alto.

Plans Being Figured—Bids Close Nov. 25, 11 A. M.

REMODELING Cost, \$—
SANTO, Calif.

Remodel motion picture projecting room at 11th Naval District Hospital (Spec. No. 6633).

Owner—U. S. Government.
Plans by Public Works Officer, 11th Naval District, foot of Broadway, San Diego.

The work includes the removal of certain existing timber floors, partitions, and miscellaneous materials as required to install the new booth. The new booth construction will require the provision and installation of steel beams and channels; timber floor joists and flooring; concrete floor; wood stud partition and sheathing; wood stairs; metal lath and plaster; metal covered work; hardware; painting, and electrical work. Plans obtainable from the Public Works Officer on deposit of \$10, returnable, check for same to be made payable to Chief of the Bureau of Yards and Docks.

DENVER, Colo.—Until Dec. 4, under Specification No. 529, bids will be received by U. S. Bureau of Reclamation, Denver, for furnishing and installing one 9,000-lb. live-load capacity, automatic, electrically operated combined freight and passenger elevator, with a total lift of 270.5 ft., controlled by five landings, in Owyhee Dam, Owyhee project, Oregon-Idaho. No charge for plans and specifications to prospective bona fide bidders, to others 45c. not returnable.

SACRAMENTO, Cal.—Until Nov. 24, 3 P. M., under Order No. 3905-1877, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County:

One piece hot rolled, machine straightened, Carbon Steel, S-A-E 1035-40, 4½-in. dia., approx 7 ft. long;

One piece, same as above, except 3¼-in. dia. x 28-in. long;

Three bars, mild steel, flat ¾x2-in.

Two bars, mild steel, flat, ¾x2-in.

One bar, mild steel, flat, ¾x2½-in.

One bar tool steel, medium grade, flat, ¾x1-in.

Twenty bars mild steel, round, ¾-in.

One piece sheet brass, 30-in. square, 26 gauge.

24 ft. brass rod, ¾-in. round.

4 sheets Shimun Shim Stock, 6x36x ½-in. thick; page 607, Marwedel Cat. No. 12, or equal.

One piece Boiler Plate, ¾-in. thick x 4x8-ft.

One piece Steel Tubing, 5-in. O. D. x 12-ft. long, 3/16-in. stock.

One piece Cold Rolled Steel, finished and polished, 4½-in. dia. x 54-in. long.

50 ft. Chain, BB Crane quality, tested ¾-in.; page 368, Thomson-Diggs Cat. No. 26, or equal.

SAN FRANCISCO.—Lee Dixon Painting Co., 18 Eureka St., at \$498 awarded contract by Constructing Quartermaster, Fort Mason, for interior painting of three double sets of non-commissioned officers quarters at the Presidio.

STOCKTON, San Joaquin Co., Cal.—In addition to those previously reported, following are prospective bidders to erect Post Office at Stockton, bids for which will be opened by the Supervising Architect, Treasury Department, Washington, D. C., on December 8th. Bliss & Fairweather, Balboa Bldg., San Francisco, architects:

John Largura & Co., 3672 Adams St., Gary, Ind.

James Devault, Massillon Rd., Canton, Ohio.

Pehrson Bros., Gateway Bldg., Minneapolis.

R. J. Chute, 2506 W. Santa Barbara Ave., Los Angeles.

O. H. Chain, Bank of America Bldg., Stockton.

MacDonald & Kahn Co., Ltd., Financial Center Bldg., San Francisco.

Dinnwidge Construction Co., Crocker Bldg., San Francisco.

C. L. Wold, 693 Mission St., San Francisco.

K. E. Parker Co., 135 South Park, San Francisco.

Geo. Petersen, P. O. Box 104, San Leandro.

Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.

E. H. Riley, First National Bank Bldg., Stockton.

J. F. Shepherd, First National Bank Bldg., Stockton.

Wm. McDonald Construction Co., St. Louis, Mo.

Murch Bros. Construction Co., St. Louis, Mo.

A. M. Lundberg, Railway Exchange Bldg., St. Louis, Mo.

Therault Contracting Co., 3672 Adams St., Gary, Indiana.

Libby & Libby Co., 244 2nd Ave. S., Minneapolis.

L. Balkin Co., 1850 W. Austin Ave., Chicago, Ill.

Robert E. McKee, 1900 Texas St., El Paso, Texas.

Geo. A. Whitmeyer Sons & Co., 2759 Grant Ave., Ogden, Utah.

Sub-Contracts Awarded.

POST OFFICE Cont. price, \$105,000

BERKELEY, Alameda Co., Cal. Milvia and Kittredge Sts.

Extension and remodeling of post office (except elevator).

Owner—United States Government.

Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Contractor—K. E. Parker Co., 135 So. Park, San Francisco.

Plumbing—Scott Co., 113 10th Street, Oakland.

Heating and Ventilating—Altha Electric & Mechanical Co., 938 Howard St., San Francisco.

Marble—American Marble Co., Hobart Bldg., San Francisco.

Mill Work—Anderson Bros. Planning Mill, Quint and Custer Sts., San Francisco.

Painting—A. A. Zelinsky, 4420 California St., San Francisco.

Electric—Spencer Electric Co., 354 Hobart St., Oakland.

Reinforcing Steel—Soule Steel Co., 1750 Army St., San Francisco.

Architectural Terra Cotta—California Art Tile Corp., 1228 Folsom Street, San Francisco.

Structural Steel—Moore Drydock Co., foot of Adeline St., Oakland.

Miscellaneous and Ornamental Iron—Liberty Ornamental Iron Co., 21st and Filbert Sts., Oakland.

Roofing—J. W. Bender Roofing Co., 15th and Bryant Sts., San Francisco.

Glass—Tyre Brothers Glass Co., 668 Townsend St., San Francisco.

HALLS AND SOCIETY BUILDINGS

Plans Being Prepared.

ALTER CLUBHOUSE Cost, \$2500
MERCED, Merced Co., Cal.

Rebuild clubhouse recently destroyed by fire (frame construction redwood exterior).

Owner—Merced Golf & County Club.

Architect—Kent & Hass, 625 Market St., San Francisco.

Bids will be taken in two weeks from local contractors only.

Construction To Start Immediately.

HALL ADDITION Cost, \$—
MORGAN HILL, Santa Clara Co., Cal.

One-story frame social hall addition.

Owner—Methodist Episcopal Church (Rev. C. R. Hess, pastor).

Architect—Not Given.

Work will be done by members of the church on a day's work basis.

Plans Being Completed.

MEMORIAL BLDG. Cost, \$50,000
SANTA CRUZ, Santa Cruz Co., Calif.

Two-story and basement veterans' memorial bldg. (concrete exterior walls, frame interior, tile roof; Spanish style).

Owner—County of Santa Cruz.

Architect—Davis-Pearce Co., Grant & Weber Sts., Stockton.

Bids will be asked in about 2 weeks.

Preparing Working Drawings.

MEMORIAL BLDG. Cost, \$20,000
EL CERRITO, Contra Costa Co., Cal.

One-story Class C reinforced concrete memorial building (flat roof).

Owner—County of Contra Costa.

Architect—James Narbett, 466 31st St., Richmond.

Plans will be submitted to the Board of Supervisors for approval on December 15.

HOSPITALS

Prospective Bidders.

ALTERATIONS, ETC. Cost, \$—
SAN JOSE, Santa Clara Co., Calif.

County Hospital grounds.

Alterations and additions to lavatory unit at Tubercular Pavilion at the county hospital.

Owner—County of Santa Clara, Henry A. Pfister, county clerk.

Architect—Binder & Curtis, 535 W San Carlos St., San Jose.

Following contractors have secured plans:

George Honore, 136 Race St., San Jose.

I. M. Sommer, 901 Bryant St., San Francisco.

Wm. Caldwell, 1241 Hedding St., San Jose.

Minton Co., 243 Hamilton St., Palo Alto.

Megna & Newell, Bank of Italy Bldg. San Jose.

Bids will be opened Nov. 16 at 11 A. M.

WOODLAKE, Tulare Co., Cal.—Sequoia Hospital, owned by Dr. Morton W. Fraser, Woodlake, suffered a \$15,000 fire loss. Hospital will probably be rebuilt immediately.

Sub-Contracts Awarded.
PREVENTORIUM Cost, \$80,375
REDWOOD CITY, San Mateo Co., Cal.
 Three frame and stucco preventorium
 buildings with tile roofs.

Owner—City and County of San Francisco, S. J. Hester, Sec'y, Board of Public Works.

Architect—H. H. Meyers, Kohl Bldg., San Francisco.

Contractor—R. C. Stickle, South San Francisco.

Linoleum—Malott and Peterson, 3221 20th St., San Francisco.

Acoustic Tile—Art Tile & Mantel Co., 221 Oak St., San Francisco.

Stairs—J. Delano, 60 13th Street, San Francisco.

Safety Treads—Price Bldg. Specialties Co., 683 Howard St., San Francisco.

Finish Hardware—South City Lumber and Supply Co., Railroad and Spruce Sts., South San Francisco.

Steel Lockers—Worley & Co., 39 N.oma St., San Francisco.

Metal Partitions—Albion Steel Products Company.

Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.

Sheet Metal—Gaffigan Sheet Metal Works, 719 B St., San Mateo.

As previously reported steel sash awarded to Soule Steel Co., 1750 Army St., San Francisco; structural steel to Schrader Iron Works, 1247 Harrison St., San Francisco; reinforcing steel to Pacific Coast Steel Co., 20th and Illinois Sts., San Francisco; ornamental iron to Patterson & Koster Iron Works, 280 13th St., San Francisco.

Contract Awarded.
WARD Cont. price, \$920
WILLOWS, Glenn Co., Calif. County Hospital.

Construct new ward at county hospital grounds.

Owner—County of Glenn (W. B. Sale, county clerk), Willows.

Architect—Not Given.

Contractor—J. W. Halterman, 221 N Shasta St., Willows.

Plans Being Figured—Bids Close Nov. 30th, 11 A. M.

METAL FURNITURE Cost, \$—
FRENCH CAMP, San Joaquin Co. Cal.

Furnish and install metal furniture in new unit at San Joaquin County General Hospital.

Owner—County of San Joaquin, Eugene D. Graham, county clerk.

Spec. prepared by W. Y. Tretheway, county purchasing agent, room 5, Courthouse, Stockton.

Certified check, bond or cash, 10% payable to Chairman of the Board of Supervisors required with bid. Spec. obtainable from purchasing agent on deposit of \$10, returnable.

Bids Rejected—New Bids Wanted—To Close December 4.

CONTAGIOUS WARD Cost, \$—
FRESNO, Fresno Co., Cal.

One-story and basement brick or reinforced concrete contagious ward at County Hospital.

Owner—County of Fresno.

Architect — Swartz & Ryland, Brix Bldg., Fresno.

Complete list of bids published Nov. 13.

Plans Being Figured—Bids Close Nov. 20th, 2 P. M.

HOME ADDITION Cost, \$—
AUBERRY, Fresno Co., Cal.

Four-room and bath addition to Nurses' Home at County Tubercular Sanitarium.

Owner—County of Fresno, D. M. Barnwell, county clerk.

Architect — Chas. E. Butner, Cory Bldg., Fresno.

Certified check or bid bond for 10% payable to Chairman of the Board of Supervisors required with bid. Plans

obtainable from the architect on deposit of \$10, returnable.

Electrical Contract Awarded.
HOSPITAL Cost, \$—
SAN FRANCISCO, Onondaga Avenue and Alameda Blvd.

Two-story Class A reinforced concrete Emergency Hospital.

Owner—City and County of San Francisco, S. J. Hester, secretary of the Board of Public Works.

Plans by Bureau of Architecture, Department of Public Works, Charles H. Sawyer, Chief of Bureau, 2nd floor, City Hall.

Electric Work—F. Radefinger, \$4,100. Commercial Electric Co., low bidder, failed to include \$1,680.46 for fixtures and requested withdrawal of the bid, which was granted by the Board of Public Works.

As previously reported, general contract awarded to Albert Nelson, 242 Ocean Ave., at \$47,764; plumbing and mechanical work to Thos. Skelly, 1344 9th Ave., at \$10,750.

Plans Being Completed.
KITCHEN, ETC. Cost, \$118,000
STOCKTON, San Joaquin Co., Calif.

State Hospital.

One-story kitchen and refrigeration plant (reinforced concrete construction; tile roof).

Owner—State of California.

Architect—Peter Sala, 2130 N Commerce St., Stockton.

Mechanical Eng.—Coddington Co., 222 Kearny St., San Francisco.

Plans will be forwarded to Sacramento for approval within one week.

Contract Awarded.
ALTERATIONS Cont. price, \$2880
SAN JOSE, Santa Clara Co., Calif.

County Hospital Grounds.

Alterations and additions to lavatory unit at Tubercular Pavilion at the county hospital.

Owner—County of Santa Clara, Henry A. Pfister, county clerk.

Architect—Binder & Curtis, 535 W San Carlos St., San Jose.

Contractor—W. M. Caldwell, 1241 Hedding St., San Jose.

Following is a complete list of bids:

W. M. Caldwell, San Jose.....\$2,880

George Honore, San Jose.....2,896

R. O. Summers, San Jose.....2,940

Megna & Newell, San Jose.....3,183

Minton Co., Palo Alto.....3,231

Contract Awarded.
ADDITION Cost, \$70,000
LOS ANGELES, Calif.

Two-story Class A reinforced concrete addition to hospital (64x176-ft.).

Owner—Marion Davies Foundation, 11,672 Mississippi Ave., Los Angeles.

Architect—Miss Julia Morgan, Merchants Exchange Bldg., San Francisco.

Plans Being Completed.
INDIGENTS' HOME Cost, \$100,000
SACRAMENTO, Sacramento Co., Cal.

Franklin Boulevard.

One-story Indigents' Home (brick exterior walls, tile roof; Spanish style; Class C construction).

Owner—County of Sacramento.

Architect — Harry Devine, California State Life Bldg., Sacramento.

Bids will be asked in four or five weeks.

Contract Awarded.
FINISHING Cont. price, \$4530
BERESFORD, San Mateo Co., Calif.

Completing rooms, etc., for the Clinic on the ground floor of the new east wing of the Community Hospital.

Owner—County of San Mateo, E. B. Hinman, county clerk, Redwood City.

Architect—Will H. Toepke, 74 New Montgomery St., San Francisco.

Contractor—Joseph Bettencourt, San Bruno.

Plans Being Figured—Bids Close Dec. 15.

WARD BUILDING Cost, \$—
SPADRA, Los Angeles Co., Cal. State Hospital.

Two one-story reinforced concrete ward buildings (tile roof).

Owner—State of California.

Architect—George B. McDougall, State Architect, Public Works Bldg., Sacramento.

Plans Being Figured—Bids Close Dec. 2nd, 2:30 P. M.

HEALTH CENTER Cost, \$—
SAN FRANCISCO, Grove and Polk Streets.

Terra cotta for Health Center Bldg.

Owner—City and County of San Francisco, S. J. Hester, secretary of the Board of Public Works.

Architect—S. Heiman, 57 Post St.

The cost is estimated at \$15,000.

Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Architecture, 2nd floor, City Hall.

Plans Being Prepared—Bids Close December 15, 2 P. M.

RESIDENCE, ETC. Cost, \$—
SPADRA, Los Angeles Co., Cal.

Two-story frame and stucco Superintendent's Residence; two 1-story reinforced concrete ward buildings and one-story frame and stucco Assistant Physician's Cottage (concrete foundations & tile roofs).

Owner—State of California.

Plans by State Department of Public Works, Division of Architecture, Public Works Bldg., Sacramento.

(Geo. B. McDougall, state architect).

Separate bids are wanted for:

(1) General Work, embracing all branches of the construction other than electric, heating and plumbing work;

(2) Electrical Work;

(3) Heating Work;

(4) Plumbing Work;

(5) Combined Heating and Plumbing Work.

HOTELS

Bids Opened.
REMODEL HOTEL Cost, \$30,000
SALINAS, Monterey Co., Cal. 17 Main Street.

Remodel two-story hotel (wood studs and joists, brick exterior walls, all 45 baths).

Owner—Franciscan Hotel 117 Main St. Salinas.

Architect—H. H. Winner, 15 Stuart St., San Francisco.

Work involves finish carpentry, rough carpentry, lathing and plastering, magnesite work, plumbing, electrical, metal windows, ventilating, tile work, painting and finishing.

Following is a complete list of bids:

Carl N. Swensen, 355 Stockton Ave., San Jose.....\$30,250

L. R. Holm, Salinas.....30,261

Ragner Monson, San Francisco.....32,300

F. C. Carlsen, Salinas.....32,663

I. M. Sommer, San Francisco.....33,047

W. E. Green, Salinas.....34,120

N. H. Sjoberg & Sons, S. F.....34,313

David Nordstrom, Oakland.....34,980

H. H. Larsen, San Francisco.....35,215

J. J. Moore.....35,900

M. J. Murphy, Carmel.....35,950

viesment.

ICE AND COLD STORAGE PLANTS

Contract Awarded.
REMODEL MARKET Cost, \$—
OAKLAND, Alameda Co., Cal. Grand Ave. and Webster St.
 Refrigerator counters, display cases, etc., for reinforced concrete market (12 departments).
 Owner—Grand Webster Bldg. Corp.
 Architect—W. H. Weeks, 525 Market St., San Francisco.
 Lessee—City Properties, Inc., 1736 Franklin St., Oakland.
 Contractor—Cyclops Iron Works, 837 Folsom St., San Francisco.
 Other awards previously reported.

POWER PLANTS

MODESTO, Stanislaus Co., Calif.—General Electric Co., Russ Bldg. San Francisco, at \$5,362.70 awarded contract by Modesto Irrigation District, for furnishing and delivering three outdoor type induction regulators. Westinghouse Elec. & Mfg. Co., San Francisco, only other bidder, submitted an identical bid.

Plans Completed.
SUB-STATION Cost, \$3000
DAVIS, Yolo Co., Cal.
 One-story reinforced concrete sub-station.
 Owner—University of California, Berkeley.
 Architect—Eng. Dept. of Owner.
 Mgr. of Constr.—John Jacobsen.

SELMA, Fresno Co., Cal.—The Consolidated Irrigation District, Selma, has filed with the state department of public works, division of water resources, Sacramento, an application for 5000 second feet of water from the San Joaquin River to be diverted in Section 5-11-21, for power purposes. The estimated cost is \$10,000,000. The engineering plans estimate an ultimate development of 148,000 H. P.

BOULDER CITY, Nev.—Six Companies, Inc., contractors for the Hoover Dam, announces contracts will be let shortly for the electrification of 11 miles of company railway from the dam site to the gravel pit. The project will require locomotives, signals, switchboards, etc. E. T. Kibler, Boulder City, is the purchasing agent. Address him care of Six Companies, Inc., Boulder City, Nev.

LOS ANGELES, Cal.—Until 11 A. M. Dec. 4, bids will be received by city purchasing agent, Thomas Oughton, for furnishing two 110,000 volt oil circuit breakers, f.o.b. bidder's shipping point; also f.o.b. cars Saugus, Calif., Spec. No. 2659. The items are:

(1) 2 110,000-volt, 600-ampere, 1,000,000 k.v.a. solenoid operated, solenoid mounted on frame, 125-volts D. C. oil circuit breakers, including oil but not spare parts, f.o.b. bidder's shipping point;

(2) Same as item (1) f.o.b. Saugus, Calif.;

(3) All necessary spare parts, f.o.b. bidder's shipping point;

(4) Same as item (3) f.o.b. Saugus, Calif.

SAN FRANCISCO—Maloney Electric Co., Rialto Bldg., at \$22,965 submitted low bid to Board of Public Works to furnish and install 3 electric power transformers to enlarge Seco Substation for pumping water through the Corral Hollow Pipe Line. Complete list of bids follows:
 Maloney Electric Co. \$22,965

Westinghouse Electric and Mfg. Co. 25,879
 Allis-Chalmers Co. 25,620
 General Electric Co. 26,090
 Wagner Electric Co. 26,193

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

MEDFORD, Ore.—Following low bids received by Jackson County Commissioners to erect new courthouse:

General Contract
 (three low)
 L. H. Hoffman, Portland \$192,500
 O. R. Wayman, Portland 193,350
 Quigley Bros., Portland 196,112

Heating
 A. G. Rushlight, Portland \$12,693

Plumbing
 Modern Plumbing & Sheet Metal Works \$8,690

Electric Work
 Peoples Electric Co., Medford \$8,699

Painting
 Wm. Bartels \$6,448

Jail Equipment
 (all bids)
 Fries & Son Steel Const. and Engineering Co. \$20,851

Elevator
 Mercer Steel Co. 21,219

Otis Elevator Co. \$5750

Plans Being Figured—Bids Close Nov. 25th, 5 P. M.

CEMENT EXTERIOR Cost, \$1000
HAYWARD, Alameda Co., Cal.
 Exterior plastering of City Hall.
 Owner—City of Hayward.
 Plans by J. B. Holly, city engineer, Hayward.

Plans on file in the office of the city clerk, M. B. Templeton.

Bids Wanted—To Close Nov. 25th, 8 P. M.

LIGHTING SYSTEM Cost, \$—
HAYWARD, Alameda Co., Calif. Memorial Park.

Lighting system for tennis courts.
 Owner—City of Hayward.
 Plans by J. B. Holly, city engineer, Hayward.

Plans on file in the office of the city clerk, M. B. Templeton.

To Ask Bids Within One Week.
REMODELING Cost, \$30,000
STOCKTON, San Joaquin Co., Calif.
 Hunter Street.
 Remodel two-story brick and concrete firehouse (four fire fighting units; rebuild front of building).
 Owner—City of Stockton.
 Architect—Peter Sala, 2130 N Commerce St., Stockton.

Plans To Be Prepared.
CITY HALL ANNEX Cost, \$70,000
SACRAMENTO, Sacramento Co., Cal.
 Ninth, tenth and I Sts.
 Reinforced concrete annex to city hall.
 Owner—City of Sacramento.
 Architect—Not Selected.

Construction will be financed by the sale of property owned by the city at the southeast corner of 10th and I Sts., for which bids will be advertised in about one week.

To Ask Bids Within One Week—To Be Opened About Dec. 20.
HALL OF RECORDS Cost, \$300,000
MARTINEZ, Contra Costa Co., Cal.
 Three-story Class A steel frame and concrete Hall of Records (hollow tile and metal lath partitions, steel sash, heating plant).
 Owner—County of Contra Costa.
 Architect—E. J. Geoffrey Bangs, 411 30th Oakland.

Structural Engineer—F. H. Tibbitts.
Alaska Commercial Building, San Francisco.

Mechanical Engineer—G. M. Simonson, Cali Bldg., San Francisco.

Bids will be taken on a segregated bid basis with fifteen segregations.

Miscellaneous and Ornamental Iron
 Contract Awarded.

COURT COUSE Cost, price, \$148,500
SAN JOSE, Santa Clara Co., Calif.

Rebuilding county courthouse destroyed by fire (using present brick walls and foundations) and construct an additional story of steel frame and concrete construction (tile roof, steam heating system).

Owner—County of Santa Clara, Henry A. Thibster, county clerk.

Architect—Hinder and Curtis, 35 West San Carlos St., San Jose.

Structural Engineer—Wm. Lotz, 1040 Benton St., San Jose.

Contractor—W. J. Ochs, American Trust Co. Bldg., San Jose.

Miscellaneous and Ornamental Iron—San Jose Iron Works, 535 W San Carlos St., San Jose.

Other awards previously reported.

Prospective Bidders.
FIRE STATION Cost, \$22,600
WOODLAND, Yolo Co., Cal.

Two-story frame and stucco fire department building in connection with city hall plant (dormitory to accommodate 10) Spanish type.

Owner—City of Woodland.

Architect—Chas. Dean, Sacramento.

Following contractors have secured plans:

H. W. Robertson, 3004 F St., Sacramento.

Charles Unger, 4532 T St., Sacramento.

C. J. Hopkinson, 1810 28th St., Sacramento.

Yoko & Dauger, 3419 4th Ave., Sacramento.

E. L. Younger, Woodland.

A. Paulsen, Woodland.

J. G. Montroni, Woodland.

J. Witzelberger, Woodland.

Roth Bros., Woodland.

Fred Betz, 1017 43rd St., Sacramento

Gene Kenyon, North Sacramento

M. R. Peterson, 1116 O St., Sacramento.

P. F. Bender, 1012 Del Paso Blvd., Sacramento.

Guth & Fox, 1528 27th St., Sacramento.

Bids will be opened Dec. 7th, 5 P. M.

Plans Completed.
LIBRARY Cost, \$5000

OAKLAND, Alameda Co., Calif. 41st Near Piedmont.

One-story frame and stucco branch library.

Owner—F. M. Greenwood, 249 Montecito, Oakland.

Architect—Miller and Warnecke, Financial Center Bldg., Oakland.

LOS ANGELES, Cal.—Wm. Davidson, 1005 Hall of Records, chief mechanical engineer, has completed working plans and will submit them to Los Angeles County Supervisors shortly for construction of jail dormitory on the roof of county jail. Will house 200 prisoners. Construction will be of steel angles and columns, with steel sash, wire glass and 2-in. wire mesh, sheet steel corners, utilizing certain existing walls. Work will include steam heating, plumbing and forced ventilation and exhaust system. There will be no doors to the cells. Cost \$30,000.

Preparing Plans.
MUSEUM Cost, \$100,000
SANTA ANA, Orange Co., Calif. Main and 20th Sts.

Two-story reinforced concrete and brick museum (galleries, library, etc.).

Owner—Rowers Memorial Museum Commission, First National Bank of Santa Ana, Santa Ana.

Architect—W. H. Austin and Frank Laundson, 514½ N Main St., Santa Ana.

SAN FRANCISCO—A complete tabulation of bids received on ornamental iron work for the War Memorial will be found on page 5 of this issue.

Contract Awarded.
WAR MEMORIAL. Cost, \$5,000,000
SAN FRANCISCO. Civic Center.
 Carpenter and mill work for 4-story and basement concrete Class A Veterans' Building.

Owner—City and County of San Francisco (S. F. War Memorial).
 Architects—G. A. Lansburgh, 140 Montgomery St. and Arthur Brown Jr., 251 Kearny St.
 Mgrs. of Constr.—Lindgren & Swinerton, Inc., 225 Bush St.
 Contractor—Dinwiddie Constr. Co., Crocker Bldg., at \$62,800.

Planned.
CITY HALL. Cost, \$—
SAN FERNANDO, Los Angeles Co.
 Fireproof City Hall.
 Owner—City of San Fernando.
 Architect—Not Selected.

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Plans Being Figured—Bids Close Dec. 18th, 10 A. M.

HALL OF RECORDS. Cost, \$300,000
MARTINEZ, Contra Costa Co., Cal.
 Three-story Class A steel frame and concrete Hall of Records (hollow tile and metal lath partitions, steel sash, heating plant).

Owner—County of Contra Costa.
 Architect—E. Geoffrey Bangs, 411 30th St., Oakland.

Structural Engineer—F. H. Tibbitts, Alaska Commercial Building, San Francisco.

Mechanical Engineer—G. M. Simonson, Call Bldg., San Francisco.

Plans Being Prepared.
REMODELING. Cost, \$1500
OROVILLE, Butte Co., Cal.
 Remodeling present fire hall for use as offices for city clerk and police headquarters.

Owner—City of Oroville.
 Architect—Cole & Brouhard, Chico.

Plans To Be Prepared.
LIBRARY ADDITION. Cost, \$—
VALLEJO, Solano Co., Cal. Sacramento Street.
 Addition to library.

Owner—City of Vallejo.
 Architect—Not Selected.
 Construction will not be started before January, 1932.

Bids Rejected—New Bids Wanted To Close Dec. 8, 2 P. M.
SECTIONAL PARTITIONS
LOS ANGELES, Los Angeles Co., Cal.
 Furnish and install sectional partitions (wood and glass) for State Office Building.

Owner—State of California.
 Architect—State Department of Public Works, Division of Architecture, Public Works Bldg., Sacramento (Geo. B. McDougall, State Architect).

The work will include all sectional partitions, closets, counters, gates, railings, etc., required for dividing and equipping the office space from first to ninth floors, inclusive.

On previous call for bids lowest bid was submitted by Wheat Cabinet & Fixture Co., Los Angeles at (a) \$19,677; (b) \$9657. Complete list of bids published October 28.

Plans Being Figured—Bids Close Dec. 14th, 8 P. M.
REMODELING. Cost, \$30,000
STOCKTON, San Joaquin Co., Calif.
 Hunter Street.

Remodel two-story brick and concrete firehouse (four fire fighting units; rebuild front of building).
 Owner—City of Stockton.
 Architect—Peter Sala, 2130 N Commerce St., Stockton.

MEDFORD, Ore.—Following contracts awarded by the Jackson County Commissioners to erect new courthouse, for plans prepared by Architects Dougan & Reverman, Inc., Kraemer Bldg., Portland:
General Contract—L. H. Hoffman, Public Service Building, Portland, at \$192,500.

Electric Work—Peoples Electric Co., Medford, Ore., at \$8699.

Jail Equipment—Pauls Jail Bldg. Co., St. Louis, Mo., \$21,555.

Heating—A. Schmidl, Medford, Ore., at \$12,769.

Plumbing—Modern Plumbing & Heating Co., Medford, Ore., \$8690.

Painting—Wm. Bartel, 1017 E-26th St., N., Portland, at \$6448.

Elevators—Otis Elevator Co., Portland at \$7570.

Contracts Awarded.
FIRE HOUSE. Cost, \$—
ELDRIDGE, Sonoma Co., Cal.
 One-story frame firehouse (brick veneer exterior).

Owner—State of California.
 Plans by State Department of Public Works, Division of Architecture, Geo. P. McDougall, state architect, Public Works Bldg., Sacramento.

The structure will have reinforced concrete foundations, concrete and wood floor construction, brick veneer, wood walls and partitions, wood roof construction and wood shingle roof.

General Work
Petaluma Const. Co., 110 Mt. View, Petaluma\$10,975
Plumbing and Heating
Ray Kynoch, 218 English, Petaluma\$1,999

Electric
Karl Stoltzing, 1067 Fourth Street, Santa Rosa\$558

RESIDENCES

Sub-Bids Being Taken.
RESIDENCE. Cost, \$6000
BURLINGAME, San Mateo Co., Cal.
 Wilbrough Place.

One-story and basement frame and stucco residence (5 rooms); gas heat, colored tile bath and kitchen, shingle roof, hardwood floors and trim.

Owner and Builder—G. W. Williams Co., Ltd., 315 Primrose Rd., Burlingame.

Plans by Coleman & Gillam, 1401 Broadway, Burlingame.

Preparing Preliminary Plans.
RESIDENCE. Cost, \$10,000
NORTH BERKELEY, Alameda Co., Calif.

Two-story frame and stucco apartments (two 5-room appts.; tile and composition roof, gas heat, electric refrigeration, colored tile baths and kitchen).

Owner—Withheld.
 Architect—E. L. Snyder, 2101 Addison St., Berkeley.

Preparing Preliminary Plans.
PARISH HOUSE. Cost, \$28,000
HAYWARD, Alameda Co., Cal.
 Two-story parish house (Spanish type)

Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.

Architect—W. E. Schirmer, 700 21st St., Oakland.

Rev. Stephen Barron is the pastor.

Sub-Contracts Awarded.
RESIDENCES. Cost, \$8500-\$10,000
SAN FRANCISCO. 19th Avenue and Sloat Blvd., Merced Manor (39- & 41-ft. frontage).

Twenty-two 1-story frame and stucco residences (6 rooms; tile roof, gas heat, hardwood floors, colored tile baths and kitchens; electric refrigeration).

Owner and Builder—Wm. Nelson, 935 Ulloa Street.

Plans by Owner.

Foundations and Sidewalks—Bay Concrete Co., 365 Ocean Ave.

Hardware—A. W. Pike & Co., 715 Mission Street.

Laying Floors—L. H. Comer, 653 Duncan Street.

Electric—Tattenham Co., 35 Marston Avenue.

Doors—Davis Hardware Co., 350 Bay Street.

Roofing—Gordon Taylor, 61 Lakewood Street.

Hardwood Floors—Bear Flooring Co., 450 Spear St.

Plumbing—Chas. Kerr, San Francisco.

Furnish Plumbing Goods—Richmond Sanitary Co.

Lumber—Swift Lbr. Co., 65 10th St.

Sub-bids are wanted on plastering, furnaces and sheet metal.

Sub-Bids Wanted.
RESIDENCE. Cost, \$4000
SAN FRANCISCO. Location withheld.

One-story and basement frame and stucco residence (5 rooms; composition and tile roof, gas heat, hardwood floors, etc.)

Owner and Builder—Wm. E. Grossman, 47 Curtis St.

Plans by B. K. Dobkowitz, 425 Monteville Blvd.

Contract Awarded.
RESIDENCE. Cost, \$9337
CARMEL, Monterey Co., Cal.

Two-story frame and stucco residence

Owner—Louis C. Ralston, Lopez and Fourth Sts., Carmel.

Architect—Guy Koepp, Carmel Woods, Carmel.

Contractor—Miles Bain, Ocean and Dolores, Carmel.

Construction Started.
RESIDENCE. Cost, \$8000
SAN ANSELMO, Marin Co., Cal. Oak Avenue.

Two-story frame and stucco residence.

Owner—C. Lester Covatt.

Architect—Not Given.

Contractor—Siemer and Kendall, 109 Tunsted Ave., San Anselmo.

Contract Awarded.
RESIDENCE. Cost, \$8500
BERKELEY, Alameda Co., Cal. Country Club Acres.

Two-story and basement frame residence (shingle roof, gas heat).

Owner—Mr. Martorotti.

Architect—E. L. Snyder, 2101 Addison Street, Berkeley.

Contractor—Geo. Windsor, 928 Kings-ton Ave., Piedmont.

Contract Awarded.
RESIDENCE. Cost, \$—
LOS ANGELES, Calif. Ladera Drive.

Two-story and basement brick frame and stucco residence (75x120-ft.)

Owner—Wm. A. Faris.

Architect—Carleton M. Winslow, Architects' Bldg., Los Angeles.

Contractor—Knut Erickson, 1039 S Kingsley Drive, Los Angeles.

Contract awarded on cost plus basis.

Contract Awarded.
RESIDENCE. Cost, \$15,000
STOCKTON, San Joaquin Co., Calif. Oxnard Manor.

Two-story and basement frame and stucco residence (9 rooms, 3 baths) tile roof, gas burner, hot water

heater, colored tile baths and kitchen, hardwood floors, electric refrigeration.

Owner—Jos. C. Brigheto.
Architect—Jos. Losekann, 1218 West Harding St., Stockton.
Contractor—T. E. Williamson, 1859 W Park St., Stockton.

Plans Being Figured.
RESIDENCES Cost, \$1000
BERKELEY, Alameda Co., Cal. Berkeley View Terrace.

One-story and basement frame and stucco residence (5 rooms); shingle roof, part tile bath and kitchen, hardwood floors.

Owner—Arthur Bowron, 1104 Keith St., Berkeley.
Architect—Ray Keefer and E. L. Herberger, 770 Wesley Ave., Oakland.

Plans Being Prepared.
RESIDENCES Cost, \$3000-\$10,000
SAN FRANCISCO. 19th Avenue and Sloat Blvd.

Seven one-story and basement frame and stucco residences (five and six rooms) electric refrigeration, composition and tile roof, gas furnace, hardwood floors, colored tile baths and kitchens.

Owner and Builder—Wm. Nelson, 935 Ulloa Street.
Plans by Owner.

Plans Completed.
RESIDENCE Cost, \$7000
SAN FRANCISCO. 17th Avenue and Vicente Street.

One-story and basement frame and stucco residence (7 rooms) English type, part slate roof, gas heat, electric refrigeration, colored tile baths and kitchen, iron balconies, leaded glass, hardwood floors, etc.

Owner and Builder—S. F. Johnson, 17th Ave. and Vicente St.
Architect—Cas. Strothoff, 2274 15th St.
Sub-bids will be taken within a few days.

Contract Awarded.
RESIDENCE Cost, \$—
WOODLAND, Yolo Co., Calif. 2nd St.
One-story and basement frame and stucco residence (5 rooms, shingle roof, hardwood floors).
Owner—L. F. West.
Architect—Not Given.
Contractor—Motroni Mill & Lumber Co., Woodland.

Low Bidder
RESIDENCES Cost, price, \$16,143
BOULDER CITY, Nev. Twenty-five miles southeast of Las Vegas.
Nine five-room residences.
Owner—United States Government.
Plans by U. S. Bureau of Reclamation, Wilda Bldg., Denver.
Low Bidder—Bay & Morrill, Junction, Utah.

The residences will be 1-story buildings with basements under only a part of each building. All residences will have concrete foundations, "All-Rolok" Flemish bond, hollow, brick outside walls, and clay tile roofs.

CARMEL, Monterey Co., Cal.—Residence of Mrs. Wilma McMenus Sutro, widow of the last Chas. Sutro, destroyed by fire Nov. 14. The loss, including furnishings, etc., is estimated at \$100,000.

Sub-Bids Being Taken.
RESIDENCES Cost each, \$5500
MILLBRAE HIGHLANDS, San Mateo Co., Calif.

Three 2-story frame and stucco residences (6 rooms, 2 baths each) composition and tile roof, shingle roof, gas heat, colored tile baths and kitchens, hardwood floors and trim, etc.)

Owner and Builder—Castle Bldg. Co., 830 Market St., San Francisco.
Architect—George Cantrell, 325 Fremont St., San Francisco.

Sub-Contracts Awarded.
RESIDENCE Contract price, \$8244
OAKLAND, Alameda Co., Cal. Sunnyside Road.

Two-story and basement frame and stucco residence (6 rooms, 2 baths, shingle roof, gas heat, tile baths and kitchen, hardwood floors).

Owner—E. Wells, Jr.
Architect—Ray Keefer and A. L. Herberger, 770 Wesley Ave., Oakland.
Contractor—Irwin H. Reimers, 745 Walla Vista Ave., Oakland.

Tile—Superior Tile & Products Co., 3743 Broadway, Oakland.
Millwork—Lanum Bros., Fifth and Magnolia Sts., Oakland.

Roofing—Edgar Elliott, 3687 Greenacre Road, Oakland.
Finish Cement Work—Valentino Di Zillo, 1022 53rd St., Oakland.

Sub-Bids Being Taken.
RESIDENCES Cost each, \$5500
SAN MATEO, San Mateo Co., Calif. Casa Mateo.

Six 1½-story frame and stucco residences (5 rooms each) composition and tile roof, gas heat, colored tile baths and kitchens, hardwood floors and trim.

Owner and Builder—Castle Bldg. Co., 830 Market St., San Francisco.
Architect—Not Given.

Sub-Bids Being Taken.
RESIDENCES Cost each, \$5500
SAN FRANCISCO. Balboa Terrace.

Three one-story and basement frame and stucco residences (5 rooms) tile and composition roof, gas heat, colored tile baths and kitchens, hardwood floors and trim.

Owner and Builder—Castle Bldg. Co., 830 Market St., San Francisco.
Architect—Not Given.

Sub Bids Being Taken
RESIDENCE Cost, \$15,000
STOCKTON, San Joaquin Co., Calif. Howard Manor.

Two-story and basement frame and stucco residence (9 rooms, 3 baths) tile roof, gas burner, hot water heater, colored tile baths and kitchen, hardwood floors, electric refrigeration.

Owner—Jos. C. Brigheto.
Architect—Jos. Losekann, 1218 West Harding St., Stockton.
Contractor—T. E. Williamson, 1859 W Park St., Stockton.

To Ask Bids In One Week.
RESIDENCE Cost, \$9000
STOCKTON, San Joaquin Co., Calif. Oxford Manor.

One-story and basement frame and stucco residence (7 rooms, 2 baths) tile roof, gas hot air furnace, colored tile baths and kitchen, refrigeration, hardwood floors, pine trim.

Owner—J. F. Donovan, 336 E Main St. Stockton.
Architect—Jos. Losekann, 1218 West Harding St., Stockton.

Lumber and Mill Work Contracts
Awarded.
RESIDENCE Cost, \$8000
SAN ANSELMO, Marin Co., Cal. Oak Avenue.

Two-story frame and stucco residence.
Owner—C. Lester Covatt.
Architect—Not Given.
Contractor—Siemer and Kendall, 109 Tunsted Ave., San Anselmo.

Lumber and Mill Work—Henry Hess Lumber Co., 229 3rd St., San Rafael.
Other awards will be made shortly.

Plans Being Figured—Bids Close Dec. 1, 11 A. M.

RESIDENCES Cost, \$—
BOULDER CITY, Nevada.
Seventeen 3-room and twelve 4-room residences.

Owner—United States Government.
Plans by U. S. Bureau of Reclamation, Wilda Bldg., Denver.

The residences will be 1-story buildings without finished basements. All residences will have concrete foundations and outside walls of timber frame construction covered on the outside with drop-siding over sheathing. Roofs will be covered with asphalt composition shingles. Interior walls will be covered with gypsum wall board. The schedule provides for lump sum bids for the construction of the residences except excavation and concrete and for unit prices per cubic yard for excavation and concrete. The installation of plumbing and electrical facilities will be included in the lump sum bids for the construction of the residences. This invitation for bids does not cover the purchase of materials which are to be furnished by the Government. Materials to be furnished by the contractor and those furnished by the Government are described in the specifications.

Plans Being Prepared.
RESIDENCES Cost each, \$5000
SAN FRANCISCO. Seventeenth Ave. and Ortega Street.

Eighteen 1-story and basement frame and stucco residences (six rooms and social hall) special roof, gas furnace, ornamental iron work, leaded glass, some brick work and stone veneer; Period design.

Owner—Withheld.
Architect—Clausen Architectural Studio, 746 46th Ave.

Sub-Bids Being Taken.
RESIDENCE Cost, \$8500
BERKELEY, Alameda Co., Cal. Country Club Acres.

Two-story and basement frame residence (shingle roof, gas heat).

Owner—Mr. Martorotti.
Architect—E. L. Snyder, 2101 Addison Street, Berkeley.
Contractor—Geo. Windsor, 928 Kingston Ave., Piedmont.

Prospective Bidders.
RESIDENCE Cost, \$4000
BERKELEY, Alameda Co., Cal. Berkeley View Terrace.

One-story and basement frame and stucco residence (5 rooms); shingle roof, part tile bath and kitchen, hardwood floors).

Owner—Arthur Bowron, 1104 Keith St., Berkeley.
Architect—Ray Keefer and E. L. Herberger, 770 Wesley Ave., Oakland.

The following contractors have secured plans:
J. A. Bigelow & Son, 150 Ardmore Road, Berkeley.
Irwin H. Reimers, 745 Wall Vista Ave., Oakland.

Herbert K. Henderson, 20 Avis Rd., Oakland.
Bids will be opened Nov. 24, 3 P. M.

Low Bidder.
RESIDENCE Cost, \$7000
SAN JOSE, Santa Clara Co., Cal.

One-story and basement frame and stucco residence (6 rooms); composition and tile roof, gas heat, hardwood floors, colored tile bath and kitchen.

Owner—C. Bosch.
Architect—Herman Krause, 243 N-9th St., San Jose.

Low Bidder—M. Scaglione, 1231 Sherman St., San Jose.

Plans Being Prepared; Contract Awarded
RESIDENCE Cost, \$5000
BERKELEY, Alameda Co., Calif.
 Two-story frame and stucco residence; chimney, roof, gas heat, etc.
Owner—Whelan & Hutschmidt, 3122 Commercial, Oakland.
Plans by W. W. Dixon, 1841 5th Ave., Oakland.
Contractor—E. M. Williamson, 3761 Allendale, Oakland.

Contract Awarded
RESIDENCE Cost, \$70,000
LOS ANGELES Cal. No. 5290 Lindwood Drive
 Two-story stucco veneer residence (11 rooms); shake roof, incinerator, brick terraces, etc.
Owner—Dr. Isaac Jones, 1930 Wilshire Blvd., Los Angeles.
Architect—Gordon B. Kaufmann, 1000 Bank Bldg., Los Angeles.
Contractor—John Mayer, 865 N. Holliston St., Pasadena.

Contract Awarded
RESIDENCE ADDITION Cost, \$—
BERKELEY, Alameda Co., Calif. 2607 Shasta Street.
 Alterations and addition to residence (add one room, etc.)
Owner—F. S. Foote, premises.
Architect—Warren Perry, 260 California St., San Francisco.
Contractor—F. G. Appelbe, 2405 Acton Place, Oakland.

Sub-Bids Being Taken
RESIDENCE Cost, \$7000
SAN FRANCISCO, Seventeenth Ave. and Vicente St.
 One-story and basement frame and stucco residence (7 rooms) English type, part slate roof, gas heat, electric refrigeration, colored tile baths and kitchen, iron balconies, leaded glass, hardwood floors, etc.
Owner and Builder—F. S. Johnson, 17th Ave. and Vicente St.
Architect—Chas. Strothoff, 2274 15th St., San Francisco.

Contract Awarded
RESIDENCE Cost, \$23,300
HILLSBOROUGH, San Mateo Co., Cal.
 Two-story and basement frame and stucco residence (Colonial type; 9 rooms, 3 baths; shingle roof, gas heat, colored tile baths and kitchen, hardwood floors and trim, etc.)
Owner—Wilson H. Bennett, 725 Occidental Ave., Burlingame.
Plans by Coleman and Gillam, 1401 Broadway, Burlingame.
Contractor—G. W. Williams Co., Ltd., 315 Primrose Road, Burlingame.

Sub-Bids Being Taken
RESIDENCE Cost, \$7000
BURLINGAME, San Mateo Co., Calif. Wilborough Place.
 One-story and basement frame and stucco residence (6 rooms; English type; gas furnace, shingle roof, tile baths and kitchen, hardwood floors and trim).
Owner and Builder—George W. Williams Co., Ltd., 315 Primrose Rd., Burlingame.
Architect—J. K. Ballantine, Jr., 137 Harlan Place, San Francisco.

Sub-Contracts Awarded
RESIDENCE Cost, \$12,000
PIEDMONT, Alameda Co., Calif. 260 King Avenue.
 Two-story and basement frame and stucco residence (9 rooms and 2 baths; gas heat, hardwood floors, colored tile baths and kitchen, etc.)
Owner and Builder—J. W. Scammell, 924 Scenic Ave., Piedmont.
Plans by Owner.
Excavation—Ariss-Knapp Co., 961 41st St., Oakland.
Foundations—Powell Bros., Harrison and Pearl Sts., Alameda.

Sewer—M. J. McGuire, 1483 Hopkins St., Oakland.
Mill Work—Atkinson Mill & Mfg. Co., 2985 Chapman, Oakland.
Plumbing—Henry Lass, 5300 Cole St., Oakland.
Hot Coating—A. C. McHarry, 2401 14th Ave., Oakland.
 Sub-bids are wanted on plastering, electric wiring, fixtures, floors, painting, roofing, hardware, sheet metal, furnace, water heater, wrought iron, stair work, art glass, tile baths, brick work, flat cement, linoleum floors, shades and screens.

Plans Being Figured
RESIDENCE Cost, \$6000
OAKLAND, Alameda Co., Cal. Lake-shore Highlands.
 One and one-half-story frame and stucco residence (shingle roof, gas heat, colored tile bath and kitchen, hardwood floors and trim).
Owner—Withheld.
Architect—Harris Allen, 557 Market St., San Francisco.
 Bids are being taken from a selected list of contractors only.

SCHOOLS

Bids Opened
ELECTRIC CLOCKS Cost, \$—
ST. HELENA, Napa Co., Calif.
 Furnish and install electric program clocks and fire alarm system for grammar school.
Owner—St. Helena Grammar School District, A. J. Laurent, clerk.
Architect—Wolfe & Higgins, 19 North Second St., San Jose.
Low Bidder—International Time Recording Co., 529 Market St., San Francisco.
 Following is a complete list of bids:
 International Time Recording Co., San Francisco \$698
 Standard Elec. Time Co., S. F. 700
 Telechron Co., San Francisco 805
 Bids held under advisement until Nov. 16th.

CENTERVILLE, Alameda Co., Cal.
 —Fred Turner, 557 Market St., San Francisco, awarded contract by Washington Union High School District to furnish and install 777 opera chairs in the auditorium of the high school.

Contract Awarded
CHAIRS Cost, \$—
YUBA CITY, Sutter Co., Cal.
 Furnish and install not less than 500 and not more than 700 folding chairs in auditorium of the Yuba Grammar School.
Owner—Yuba School Dist., C. P. Taylor, clerk, Yuba City.
Architect—Not Given.
Contractor—C. F. Weber Co., San Francisco, \$2.75 each.
 Complete list of bids follows:
 C. F. Weber Co., San Francisco \$2.75
 Clarin Mfg. Co. W. R. Knight (Dist.), Oakland 3.45
 Fred Turner, Stockton 2.94
 Heywood Wakefield, S. F. 3.50
 Spinner-Deist Co., S. F. 3.29
 Lyon Metal Prod., Inc., S. F. 3.45
 4.10

Electric and Tile Roofing Bids Wanted
SCHOOL Cost, \$8000
BERKELEY, Alameda Co., Cal. No. 1710 Carleton Street.
 One-story frame and stucco school (8 rooms).
Owner—Berkeley Japanese Church.
Plans by Richard Weeks, 6230 Acacia St., Oakland.
Contractor—W. J. Baker, 2255 Ransom Ave., Oakland.
 Bids are wanted on electric work and tile roofing. Other awards will be made shortly.

Plans Completed
ADDITION Cost, \$100,000
LOS ANGELES, Cal. 7676 South San Pedro Street.
 Alterations and additions to high school (70x140-feet; concrete and brick construction).
Owner—Los Angeles City School Dist.
Architect—Edwin Bergstrom, Citizens National Bank Bldg., Los Angeles.

Plans Being Completed
PHYSIC BLDG. ADD. Cost, \$200,000
LOS ANGELES, Calif. University of California Campus.
 Three-story Class A reinforced concrete, brick and terra cotta physics building addition (64x130-ft.)
Owner—University of California.
Architect—Allison & Allison, California Reserve Bldg., Los Angeles.

Contract Awarded
ELECTRIC CLOCKS Cont. price \$805
ST. HELENA, Napa Co., Calif.
 Furnish and install electric program clocks and fire alarm system for grammar school.
Owner—St. Helena Grammar School District, A. J. Laurent, clerk.
Architect—Wolfe & Higgins, 19 North Second St., San Jose.
Contractor—Telechron Co., 325 Market St., San Francisco.

OAKLAND, Cal.—Standard Electric Time Co., 950 Parker, Berkeley, at \$1,310 submitted low bid to Oakland Board of Education to furnish and install program and electric clock system on the Fremont High School located on 45th and Foothill Blvd. Following is a complete list of bids:
 Standard Electric Time Co., Oakland \$1,310
 International Time Recording Co., San Francisco 1,644
 F. A. Thomas Co., Inc., S. F. 2,438
 Bids held under advisement.

To Ask New Bids Shortly
SCIENCE BLDG. Cost, \$—
SANTA BARBARA, Santa Barbara Co., Calif.

Three-story reinforced concrete Science Building (approx. 24,000 sq. ft. floor area).

Owner—State of California.
Architect—George B. McDougall, state architect, Public Works Building, Sacramento.

The building is to be three stories with reinforced concrete foundations, floors and walls, tile partitions, concrete and wood roof construction and tile and composition roof.

The Science building will have floor area of approximately 24,400 sq. ft.

On previous bid opening low bids were as follows:

General Work—H. Mayson, Los Angeles, \$113,700.

Mechanical Work—Hickman Bros. San Pedro, \$28,600.

Heating and Ventilating—Thos. Haverty Co., 316 E 18th St., Los Angeles, \$15,499.

Electric—H. H. Walker, Los Angeles, \$7,500.

Plumbing—J. A. Fazio, Oakland, \$9324.

BANKS, STORES & OFFICES

Low Bidder
EXCHANGE BLDG. Approx. \$170,000
SAN FRANCISCO. Pine and Steiner Streets.

Two-story and basement brick reinforced concrete and steel frame telephone exchange building.

Owner—Pacific Telephone & Telegraph Co., 140 New Montgomery St., San Francisco.

Plans by Eng. Dept. of Owner (E. V. Cobby in charge).

Low Bidder—MacDonald & Kahn, Financial Center Bldg., San Francisco.

As previously reported, footings and foundations awarded to Lindgren & Sumerton, Inc., 225 Bush St., excavation to Sibley Grading & Teaming Co., 165 Landers St.; structural steel to Steel Erectors Consolidated, Ltd., 15th and Carolina Sts.

Sub-Contracts Awarded.
STONE Cost, \$75,000
OAKLAND, Alameda Co., Calif. 1922
 San Pablo Avenue.

One-story steel frame and brick store (composition roof, concrete floors and second floor put in place, electric & plastering, plumbing work).
 Owner and Builder—S. Feldstein, 1918-1922 San Pablo Ave., Oakland.
 Plans by L. F. Hyde, 672 Hanover St., Oakland.

Brick—K. Rubenstein, 968 6th Street, Oakland.

Concrete—A. Soda & Son, 1077 65th St., Oakland.

Carpentry—Oscar Soder, 2138 Ashby Ave., Berkeley.

EUREKA, Humboldt Co., Calif.—Plant of the Humboldt Evening Times recently destroyed by fire, will be rebuilt of once, it is announced by J. H. Crothers, editor and general manager of the publication.

SAN FRANCISCO—Barrett & Hilp, 516 Harrison St., desire sub-bids on all portions of the work in connection with the construction of the telephone exchange building to be erected on Pine and Steiner Sts., for which bids will be opened Nov. 16.

Mill Work and Roofing Contracts Awarded.

STORE Cost, Price, \$48,200
SAN MATEO, San Mateo Co., Cal.
 Second Ave. and Main St.

One and one-half-story reinforced concrete store; terra cotta exterior, composition roofing; eight stores and mezzanines).

Owner—Merkel Bros., 201 B St., San Mateo.

Architect—Edwards & Schary, 550 Montgomery St., San Francisco.

Contractor—H. H. Larsen Co., 64 South Park, San Francisco.

Mill Work—Wisnom Lumber Co., 5th and Claremont Sts., San Mateo.

Roofing—Bush Roofing Co., St. Claire Bldg., San Jose.

Other awards previously reported.

Sub-Contracts Awarded.

SALESROOM Cost, \$15,000
SAN FRANCISCO, N Otis Street 116 W 12th St.

Two-story Class C concrete salesroom bldg. (Summerbell truss roof with tar and gravel covering).

Owner—Salta Co., 557 4th St.

Architect—E. H. Denke, 1317 Hyde St.

Contractor—Mission Concrete Co., 270 Turk Street.

Electric—Fred D. Wilson, 144 8th St.

Plumbing—Atlas Heating & Ventilating Co., 557 4th St.

Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Sts.

Steel Sash—Michel and Pfeffer Iron Works, Harrison and 10th Sts.

Trusses—Summerbell Truss Co., 354 Holart St., Oakland.

Iron Gate—Folsom Street Iron Works, 17th and Missouri Sts.

Plans Completed.

REMODEL STORE Cost, \$10,000
FRESNO, Fresno Co., Cal. Van Ness Ave. and Tulare Street.

Reconstruct store (new show windows and fronts, etc.).

Owner—Fresno Dry Goods Co., Premises.

Architect and Mgr. of Constr.—Chas. Franklin, 302 T. W. Patterson Bldg., Fresno.

Contract Awarded.
STORE & LOFT Cost, \$11,500
OAKLAND, Alameda Co., Cal. Lakeshore Park Heights.
 Two-story brick store and loft bldg.
 Owner—Dr. W. H. Gray.
 Architect—Miller and Warnecke, Financial Center Bldg., Oakland.
 Contractor—Lindgren and Swinerton, Inc., 225 Bush St., San Francisco.

Carpentry Contract Awarded.
REBUILD STORE Cost, \$20,000
CHICO, Butte Co., Cal. Second and Wall Streets.

Rebuild store partially destroyed by fire (Class C composition, steel frame, brick exterior, wood interior).

Owner—Louis Saroni, 725 Battery St., San Francisco.

Architect—Russell Guerne DeLappe and Vladimir Oglou, 374 17th St., Oakland.

Carpentry—Geo. Pearl, Durham, Calif.

Other awards will be made as work progresses.

Plans Being Prepared.
STORE Cost, \$—
SAN FRANCISCO, Pacific and Taylor Streets.

One-story and basement reinforced concrete and steel frame store (composition roof and concrete floors).

Owner—Paul Kleiber, 535 Urbano Dr., San Francisco.

Architect—E. A. Neumarkel, 340 Kearny St., San Francisco.

Bids will be asked within one week.

Contract Awarded.
ALTER BLDG. Cost, \$3000
FRESNO, Fresno Co., Cal. H and Merced Streets.

Alterations and additions to present building.

Owner—Frank Short, Jr., premises.

Architect—Not Given.

Contractor—J. T. Cowan, 433 Roosevelt, Fresno.

Contract Awarded.
ALTERATIONS Cost, \$2500
FRESNO, Fresno Co., Cal. Van Ness Ave. and Calaveras St.

Alterations and additions to present building.

Owner—Goodyear Rubber Co., Prem.

Architect—Not Given.

Contractor—J. T. Cowan, 433 Roosevelt St., Fresno.

Contract Awarded.
ALTERATIONS Cost, \$3000
SAN FRANCISCO, W Jessop Place 81 N Washington St.

Alterations and additions to Class C building.

Owner—E. Martinoli, 714 Montgomery Street.

Architect—I. Zanolini, 604 Montgomery Street.

Contractor—G. Cristina and B. Pagani, 1025 Capp St.

Contract Awarded.
STORE Cost, \$17,000
SAN FRANCISCO, NW Chestnut and Avila Street.

One-story Class C reinforced concrete store building.

Owner—Jas. R. McFarland, 2578 28th Avenue.

Architect—Hyman and Appleton, 68 Post Street.

Contractor—D. Cohen, % owner.

Plans Being Figured—Bids Close Nov. 24th.

REMODEL BLDG. Cost, \$—
HOLLISTER, San Benito Co., Cal.

Remodel present building for store.

Owner—Bank of America.
 Architect—H. A. Minton, Bank of America Bldg., San Francisco.

THEATRES

Sub-Bids Wanted.
THEATRE—BIDS Cost, \$20,000
BERKELEY, Alameda Co., Cal. 3332 Adeline Street.
 Remodeling reinforced concrete theatre.

Owner—Kullskli-Harband Theatre Co., 3332 Adeline St., Berkeley.

Architect—A. A. Conlin, 341 Market St., San Francisco.

Contractor—Alfred J. Hopper, 1769 Pleasant Valley Ave., Oakland.

Work involves new concrete stairway, pine flooring, rearranging stage, ornamental plaster, revising electrical work, revising heating plant, general interior decoration.

Lumber—E. K. Wood Lbr. Co., Frederick and King Sts., Oakland.

Sub-bids are wanted on ornamental and plain plastering, structural steel work, plumbing and tile work.

As previously reported, electrical work awarded to Matson & Seabrook, 4115 Broadway, Oakland, \$2,500; heating to Chas. R. Watts, 1166 Spruce St., Berkeley.

Preparing Plans.
THEATRE & STORES Cost, \$—
LOS ANGELES, Cal. North Vermont Ave. near Clifton St.
 Theatre and store building (to seat 1800).

Owner—Alexander Pantages et al.

Architect—B. Marcus Priteca and S. E. Sonnichsen, 411 W. 7th St., Los Angeles.

WHARVES AND DOCKS

Preparing Plans.
TRANSIT SHED Cost, \$70,000
LONG BEACH, Los Angeles Co., Cal. Inner Harbor.

Corrugated iron transit shed (steel roof trusses, sprinkler system, etc.).

Owner—City of Long Beach.

Plans by Long Beach Harbor Dept.
 Bids will be asked in thirty days.

LONG BEACH, Calif.—Construction of a navy boat landing in connection with the stub pier at the foot of Collins, port manager will have charge of the work. The harbor department has contributed \$15,000 but the balance must be obtained from other sources. The proposed work includes driving of piling, construction of a shed, parking area, improvements to the approaches and construction of a float.

SAUSALITO, Marin Co., Cal.—Until November 30, S. F. M. bids will be received by W. Z. Tiffany, town clerk, to furnish and drive piles, saw and cap same and complete a wharf. Plans obtainable from city clerk.

Plans Being Prepared.
ADDITION TO PIER Cost, \$—
SAN FRANCISCO, Pier No. 44.
 Addition to Pier No. 44.

Owner—State of California (Harbor Commission).

Engineer—Frank White, Ferry Bldg.

More definite information will be given in about ten days.

MISCELLANEOUS CONSTRUCTION

SAN FRANCISCO, Feb. 28, 1931. P. M., bids will be received by Frank T. Kennedy, secretary, Board of Fire Commissioners, 2 City Hall, for dry-docking, repainting of hulls, overhauling and repairing the fire boats "Daniel T. Sullivan" and "David Scannell." Specifications obtainable from the secretary.

Inspecting Plans.—Cost, \$750.00.
CISNERO VITOY, Cal. Griffith Park.
 Two-story steel and masonry observatory and hall of science (planetarium, library, gallery, observatory, etc.).

OWNER: City of Los Angeles.
Architect: J. C. Austin and F. M. Ashles, Chamber of Commerce Bldg., Los Angeles.

Funds for this project have been provided in the will of the late Col. Griffith J. Griffith.

Plans Being Prepared.
STORE & GREENHOUSE Cost, \$8000.
COLMA, San Mateo Co., Cal.
 One-story frame and stucco store and greenhouse (100x40 - feet) cement and tile floors, tile and glass roof.
Owner: A. Bertucci, Colma.
Architect: Chas. Strothoff, 2274 15th St., San Francisco.

General contract bids are being taken.

HILLSBOROUGH, San Mateo Co., Cal. Hillsborough Water Co., 58 Sutter Street, San Francisco, is negotiating for the purchase of a site on which to construct a filtration plant in connection with the water system.

Completing Plans.
MONUMENT, ETC. Cost, \$150,000.
SAN FRANCISCO, Telegraph Hill.
 Development of Telegraph Hill (monument, concrete approaches, concrete ornamental fence, steps, landscaping, etc.).
Owner: City and County of San Francisco.

Architect: Arthur Brown, Jr., 251 Kearny Street.

Plans will be completed within a few days and bids will probably be advertised for shortly.

SAN FRANCISCO.—See "Waterworks," this issue. Bids wanted by Board of Public Works to construct sprinkler system in connection with trotting track at the Golden Gate Park Stadium.

Plans Being Prepared.
MAUSOLEUM Cost, \$—
MONTREY, Monterey Co., Cal. Four miles out of Monterey.

One-story super Class A reinforced concrete mausoleum (marble and bronze interior, 500 crypts).

Owner: E. H. Tickle, et al. Carmel.

Plans by: T. L. DeCew, San Carlos Hotel, Monterey.

Contractor: T. L. DeCew, San Carlos Hotel, Monterey.

ELDRIDGE, Sonoma Co., Cal.—Dee Engineering Co., 170 Hooper St., San Francisco, at \$355 awarded contract by State Department of Public Works, Sacramento, for boiler setting at the Sonoma State Home at Eldridge.

MISCELLANEOUS SUPPLIES AND MATERIALS

OAKLAND, Cal.—Until Nov. 23, 11 A. M., bids will be received by W. W. Chappell, city clerk, to furnish ten motorcycles. Bond of \$2,000 required from successful bidder. Specifications obtainable from city clerk.

SAN FRANCISCO.—Until Nov. 23, 3 P. M., under Proposal No. 764, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and deliver

- (a) Paints
- (b) Painters' Supplies
- (c) Glass

for the annual term commencing Jan. 1 and ending Dec. 31, 1932.

Specifications obtainable from City Purchasing Agent.

SAN FRANCISCO.—Until November 23, 3 P. M., under Proposal No. 765, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and deliver:

- (a) Lined oil;
- (b) Shellac;
- (c) Litharge;
- (d) Mineral Brown;
- (e) Putty.

for the tri-annual term commencing January 1 and ending April 30, 1932. Specifications obtainable from City Purchasing Agent.

OAKLAND, Cal.—K. E. Erickson Co., 274 Spear St., San Francisco, at \$134 per marker submitted low bid to City Council to furnish 20,000 pedestrian lane markers for the remainder of the current fiscal year. Following is a complete list of bids:

K. E. Erickson Co., S. F.	Each
Western Aluminum Foundries, Oakland	.....\$134
Aluminum Cooking Utensil Co., Oakland	..... .15
W. M. Duncan and F. Vinasso, Oakland	.....155
Bids held under advisement.	

FRESNO, Fresno Co., Cal.—Following bids taken under advisement by the city council to furnish police department with radio transmitting set: Fresno Bee Publishing Co., \$2,750, used set.

RCA-Victor Corp., \$2,909.
 J. Sauer, 1015 Mission St., San Francisco, at \$400 per set submitted low bid to City Council to furnish 20,000 pedestrian lane markers for the remainder of the current fiscal year. Following is a complete list of bids:

Electric Lighting Supply Co., Los Angeles, \$4,795.

Taken under advisement.

All workmen employed on the War Memorial are bona fide residents of San Francisco. Members of the board of trustees of the memorial have placed an inspector, J. Walter Resing, on the job to check payrolls of the contractors to see that the policy of employing only residents of this city is maintained. This action was taken as a result of complaint from war veterans that alien and nonresident labor was being employed on the project.

Assessed at \$6250 per front foot, the site of The Emporium, on the south side of Market street, between Fourth and Fifth, is accepted by real estate experts as the most valuable parcel of land in San Francisco. Assessor Wolden reports. Five blocks of Market street property, he says, are assessed for more than the entire Richmond District, or any other residential section, including business sites.

Net profits of \$547,199, after all charges, including taxes, is reported by the Claude Neon Electrical Products Corporation of Delaware for the nine months ended September 30. This is equivalent, after preferred dividends to \$2.01 per share on 269,523 shares of common stock outstanding. This compares with \$559,050 for the corresponding period of a year ago, equivalent to \$2.06 a share on the same basis.

Another decision in the perennial battle over municipal electric power plants has been handed down in California, this time in favor of municipal ownership, says The Business Week. The State Court of Appeals has upheld the right of the city of Santa Cruz to finance the construction of its water system and power plant entirely from the revenues of the plant and to pay for it over a period of

years, without the necessity of obtaining approval of two-thirds of the voters.

During recent years Fairbanks, Morse & Co. has been pushing the sale of power equipment to municipalities on a purchase plan whereby revenues from the completed system could be used to pay for the equipment over a considerable period of years. This activity has met great opposition, sponsored, chiefly by utility interests, and court decisions for and against such plans have been handed down by courts of a number of states.

Two arguments are usually used against the installment-purchase plan for electric generating equipment. In California and a few other states the opposition charges that the agreement in effect increases the indebtedness of the city and so must be approved by a two-thirds vote of the people. In other states charges that purchase of the new equipment raises the indebtedness above the legal limit are employed.

If California's Supreme Court uphold the Appellate Division, municipalities there can buy electric light plants, as private interests now do, on borrowed money to be repaid from revenues. Public ownership partisans are jubilant over the decision, utilities want a reversal.

Six shop crafts of the Chesapeake and Ohio Railway at Richmond, Va., will go on a five-day week to aid employment effective December 1. The arrangement is temporary and was taken on a vote of the shop crafts themselves.

New orders booked during the 3rd quarter of 1931, as reported to the U. S. Bureau of the Census by 84 manufacturers of electrical goods, were \$157,471,784, as compared with \$224,347,794, for the 2nd quarter of 1931, and \$228,732,926, for the 3rd quarter of 1930.

Local No. 34 of the Pile Drivers, Bridge, Dock and Wharf Builders' Union, San Francisco, has officially endorsed the six-hour day plan advocated by William Randolph Hearst, it is announced by William Moran, secretary of the union.

The long campaign for modernization of older office buildings in the larger cities is meeting with pronounced success. The movement was launched over two years ago as an offset to the slump in new construction and an aid to employment. It was then estimated that there was a potential \$4,000,000,000 market in commercial structures alone.

Many architectural firms, abandoning the old professional practice against promotion of new business, have set up "modernization departments." But for a long time their efforts by direct mail and personal canvass to induce owners of old buildings to put them in shape to pull larger revenues met with little success. Now the very condition of over construction which brought about the decline in building is working for architects and contractors seeking modernization projects. Many new buildings with a large percentage of vacancies are drawing tenants from older structures whose owners are thus confronted with the need of action.

The plain dollars and cents angle which is spurring owners of old buildings to make plans which in the aggregate will amount into the hundreds of millions—and eventually billions—and put thousands of building tradesmen to work, is that a modernized old building can undersell competing new buildings on desirable space.

Engineering News Section

BRIDGES

SAN MATEO COUNTY, Cal.—Until November 23, 2 P. M., bids will be received by John H. Skeegs, district engineer, State Highway Commission, State Bldg., San Francisco, to widen a reinforced concrete slab bridge across Baden Creek near Baden. Project involves:

- (1) 220 cu. yds. structure excav.;
- (2) 135 cu. yds. Class A Portland cement concrete in place;
- (3) 14,500 lbs. reinf. steel in place;
- (4) 610 lin. ft. reinf. concrete piling in place, including test pile;
- (5) 1 lot existing concrete railing to be removed.

See call for bids under official proposal section, this issue.

LOS ANGELES, Cal.—Plans for the timber and steel bridge to be built on Park Blvd. over the arm of Alamitos Bay at the Recreation Lagoon, prepared by A. H. Adams, city engineer of Long Beach, were filed with the Los Angeles county supervisors Nov. 13. The plans call for a bridge 327 ft. in length, with one center removable steel span, 41 ft. 4-in. in length, the remainder of the spans, which are wooden, being each 20 feet in length. Construction will require cresoosited piling in 40-ft. lengths. The roadway will be 24 ft., with one 5-ft. walk. The deck will be laminated with a 4-inch asphaltic concrete wearing surface. Bids will be advertised within the next ten days.

CHELSEA COUNTY, Wash.—Puget Sound Bridge & Dredging Co., 2929 16th St., S. W., Seattle, Wash., awarded the contract by State Highway Department at \$114,813 to construct steel bridge 640 ft. long over Wenatchee River, State Road 2, F. A. P. 149-B Chelsea County, Wash.

SISKIYOU COUNTY, Cal.—Gutleben Bros., 4815 Hopkins St., Oakland, at \$20,728 awarded contract by the State Highway Commission to construct a bridge across the Klamath River at Walker, 27 miles west of Hornbrook, consisting of one 330-ft. through steel truss span on concrete piers and six 19-ft. timber approach spans on frame bents with concrete pedestals. Complete total and unit bids published in issue of November 13.

HUMBOLDT COUNTY, Cal.—Mercer-Fraser Co., Eureka, at \$20,752 awarded contract by State Highway Commission to reconstruct existing bridge across El River at Robinsons Ferry, about 19 miles north of Dyer-ville, consisting of twenty-one 24-ft. timber trestle approach spans on pile bents, and three 250-ft. steel truss spans, by removing the timber approach spans and constructing 24 19-ft. timber trestle approach spans on timber pile bents, also removing timber stringers and floor of the steel truss spans and placing new timber stringers and laminated floor. Complete total and unit bids published in issue of November 5.

LOS ANGELES, Cal.—John Strona, Philadelphia and East End Avenue, Pomona, submitted low bid to county supervisors at \$60,144 (bidding on redwood, item 1) and at \$54,888 (bidding on Douglas fir, item 2) for the con-

struction (except steel) of the Ocean Ave. bridge across the entrance to Alamitos Bay.

Virginia Bridg & Iron Co., 650 Paramount Bldg., submitted the low bid on the structural steel, at \$12,565.

This bridge will serve both vehicular and pedestrian traffic, and Pacific Electric Railway. The structure will be a wood pile trestle, 466 ft. long, with steel girders carrying the railroad tracks. The bridge will be 40 ft. bet. curbs, with a 5-ft. walk on each side. The work will require about 250 50-ft. treated piling. The roadway will be paved with asphaltic concrete.

LOS ANGELES, Cal.—Plans for the timber and steel bridge to be built on Park Blvd. over the arm of Alamitos Bay at the Recreation Lagoon, prepared by A. H. Adams, city engineer of Long Beach, have been referred by the county supervisors to the County Counsel for approval. The plans call for a bridge 327 ft. in length with one center removable steel span, 41 ft. 4 in. in length, the remainder of the spans, which are wooden, being each 20 feet in length. Construction will require cresoosited piling in 40 ft. lengths. The roadway will be 24 ft., with one 5-ft. walk. The deck will be laminated with a 4-in. asphaltic surface.

DREDGING, HARBOR WORKS & EXCAVATIONS

SAN DIEGO, Cal.—Chas. L. Hoopes, Spreckels Theatre Bldg., San Diego, has proposed to a group of San Diego business men improvements of lands in Mission Bay district, involving dikes and channel work, to reclaim a large area of now useless lands. The dredging proposed is estimated at \$4,000,000. Nash George Hoopes, state assemblyman, announced that the state would probably aid in the project.

STOCKTON, San Joaquin Co., Cal.—Bids will be asked shortly by the U. S. Engineer Office, California Fruit Bldg., Sacramento, for dredging in the San Joaquin River. The work will probably be divided into two projects, one requiring dredging of 3,111,000 cu. yds. and the other 1,729,700 cu. yds.

LONG BEACH, Calif.—Standard Dredging Co., Central Bldg., Los Angeles, submitted low bid to city manager for dredging at Recreation Park Lagoon, involving 119,400 cu. yds. material. The bids were:

- Standard Dredging Co. (1) 18½¢ yd., (2) 22¢ yd., (3) 18½¢ yd.
Graham Bros., (1) 39¢ (2) 70¢ (3) 39¢.

MARYSVILLE, Yuba Co., Cal.—Until November 23, 3 P. M., under Circular Proposal No. 32-152, Spec. No. 3839-OGS, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, for raising the existing levee along the east side of the old channel of the Feather river from a point near Eliza Bend Pump (approx. two miles south from Marysville) and extending southerly therefrom for a distance of approximately 7,700 ft. Project involves 77,000 cu. yds.

RICHMOND, Contra Costa Co., Cal.—City Manager J. A. McVittie has

been authorized by the city council to let a contract for dredging the turning basin at the outer harbor terminal; estimated cost, \$13,000. E. A. Hoffman, city engineer.

VALLEJO, Solano Co., Calif.—City employees will commence all shortly for southern extension of Sonoma St. across the tidelands to South Vallejo. City council has provided an appropriation of \$12,500 in the budget to finance the work.

CRESCENT CITY, Del Norte Co., Calif.—Organization of Crescent City Harbor District voted Nov. 10 with a view to improving recent City harbor by dredging, construction of jetties, breakwaters and warehouse.

PORTLAND, Ore.—Parker-Schram Co., Couch Bldg., Portland, at \$70,090 submitted low bid under Schedule A, to U. S. Engineer Office, Portland, to extend and construct dikes, and Hart Construction Co., Tacoma, at \$47,739 to construct and extend dikes under Schedule B. Bids taken under advertisement.

M., bids will be received by U. S. Bureau of Reclamation, Nyssa, for furnishing labor and materials and performing all work for the construction of earthwork, tunnels and structures, North Canal, station 44+20.63 (Tunnel Canyon) to station 242+20.10 (Owyhee River Siphon) Mitchell Butte Division, Owyhee project, Oregon—Idaho. The work is located near Nyssa and Adrian, Oregon, on the Oregon Short Line Railroad. The principal items and the estimated quantities involved are as follows: 573,500 cu. yds. of all classes of open-cut excavation; 3,000 sta. cu. yds. of overhaul; 2,000 cu. yds. of backfill; 1,500 cu. yds. of concrete in structures; 5,000 cu. yds. of concrete in tunnel lining; laying 300 lin. ft. of 6-in. drain pipe; furnishing and erecting 40 M. ft. b.m. of reinforcing in tunnels; placing 155,000 lbs. of reinforcement bars; and placing 28,000 lbs. of gates, gate lifts and miscellaneous metal work. This invitation for bids does not cover the purchase of materials which are to be furnished by the Government. Materials to be furnished by the contractor and those furnished by the Government are described in the specifications which will be a part of the contract. No charge for specifications and plans to prospective bona fide bidders; to others, 85 cents, not returnable. For particulars, address Bureau of Reclamation, Owyhee, Oregon; Denver, Colo.; or Washington, D. C.

IRRIGATION PROJECTS

TURLOCK, Stanislaus Co., Cal.—Ed Erickson, Route 4, Box 744, Modesto, at \$18.20 cu. yd. awarded contract by Turlock Irrigation District to install two reinforced concrete conduits in lateral No. 4, under the Southern Pacific tracks, and in lateral No. 5, involving 180 cu. yds.

STREET LIGHTING SYSTEMS

SACRAMENTO, Cal.—City Council has started proceedings to install ornamental street lighting system on I-

street, between 12th and 16th Streets, property owners having petitioned for the work. Fred J. Klaus, city engineer.

SAN FRANCISCO.—Until Dec. 2nd, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to install ornamental street lights in Section D-1 and E, Alemany Blvd., involving:

- (1) 40, erect, assemble and paint ornamental iron standards;
 - (2) 40, furnish and install luminaries lamps;
 - (3) 40, construct concrete foundations for standards;
 - (4) 12,700 ft. furnish and install 5,000 volt single conductor, R. and L. C. wire;
 - (5) 450 ft. install 1½-in. galv. conduit.
- Certified check 10% payable to clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineering, 3rd floor, City Hall.

MACHINERY AND EQUIPMENT

WATSONVILLE. Santa Cruz Co., Cal.—Until December 8, 8 P. M., bids will be received by M. M. Swisher, city clerk, to furnish a chemical motor fire unit. All bids shall include an offer to take the Reo Chemical fire truck as part payment. Certified check 10% payable to Mayor required with bid. Specifications obtainable from city clerk.

REDDING. Shasta Co., Cal.—Until November 30, 2 P. M., bids will be received by J. M. O'Malley, Supt. of Equipment, Shop 2, State Division of Highways, Redding, for the sale of the following equipment, no longer needed:

- CHC 1891, Standard Truck Chassis complete.
- CHC 123, Drill, Rock, Ingersoll-Rand.
- CHC 262, Grader, Austin Rip Snorter 8 inch Blade.
- CHC 114, Grader-Tractor Attachment, 1-Man, Spears-Well.
- CHC 12, Scraper, LeClair ½ yard.
- CHC 179-32 Tractor, McCormick-Deering, and attachment, Spears-Well.
- CHC 130-42 Tractor, McCormick-Deering, and Attachment, Spears-Well.
- CHC 206-113 Tractor, McCormick-Deering, and Attachment, Spears-Well.
- CHC 387 and 426 Tractors, Fordson Mules, at Convict Camp 23, Virgilia.

Miscellaneous lots of truck parts for: Heavy Aviation, Light Aviation, Standard, White, Pierce Arrow, Nash Quad.

Miscellaneous lot of truck-springs—approx. 40.

Miscellaneous lot of Fordson parts. No lump sum bids. Above equipment may be inspected at Division of Highways' yards at Redding, from 7:30 A. M. to 4:30 P. M. on any working days.

BEVERLY HILLS. Los Angeles Co., Cal.—Until 8 P. M., Dec. 8, bids will be received by city council for furnishing one 16,000-lb. gross capacity rubbish dump truck. B. J. Firminger, city clerk.

REDDING. Shasta Co., Cal.—City council has authorized the purchase of a new street sweeper and a new oil distributor. Cost is placed at \$4,200.

OAKLAND. Cal.—Learner & Rosenthal at \$6,125 awarded sale of used pile driver, no longer required by the City Port Commission. Other bids were: L.

Hecht, \$162; P. R. Mackley Equip. Co., \$1050; Harbor Tug & Barge Co., \$230; Ajax Dredging Co., \$2500; American Dredging Co., \$4000.

MODESTO. Stanislaus Co., Calif.—General Electric Co., Russ Bldg., San Francisco, at \$5,362.70 awarded contract by Modesto Irrigation District, for furnishing and delivering three outdoor type induction regulators. Westinghouse Elec. & Mfg. Co., San Francisco, only other bidder, submitted an identical bid.

OAKLAND. Cal.—McGurrin Motor Co., 3074 Broadway, Oakland, at \$1995 awarded contract by City Council to furnish one six-wheel motor truck, capacity of 13,000 lbs. General Motors Co., 1750 E-12th St., Oakland, at \$984.50 awarded contract for furnishing on platform, stake type body truck, approx. 12 ft. long x 2 in. wide.

SACRAMENTO. Cal.—Until November 30, 2 P. M., bids will be received by W. H. Riechel, Supt. of Equipment, Shop 10, State Highway Division, Sacramento, for the sale of the following equipment no longer needed:

- CHC 305 Austin standard 7-ft. leaning wheel grader;
 - CHC 177, 5-ton, 4-wheel trailer.
- No lump sum bids considered. All equipment may be inspected at 1802 34th St., Sacramento, from 8:30 A. M. to 4:30 P. M. on any working day.

SACRAMENTO. Cal.—Until November 30, 2 P. M., bids will be received by G. E. Siebert, Supt. of Equipment, Shop 3, State Highway Division, Sacramento, for the sale of the following equipment, no longer needed:

- CHC 175, 75 gal. asphalt kettle;
- CHC 233, McCormick Deering 10-20 tractor;
- CHC 289, Austin Giant 8-ft. leaning wheel grader;
- CHC 345, Adams 8-ft. leaning wheel grader.

No lump sum bids considered. All equipment may be inspected at the Division of Highways' yards, 1852 34th St., Sacramento, from 9 A. M. to 5 P. M. on any working day.

SAN FRANCISCO.—Until November 30, 2 P. M., bids will be received by J. W. Grace, Supt. of Equipment, Shop 4, State Division of Highways, San Francisco, for the sale of the following equipment, no longer needed:

- CHC 222, road grader, Stockland 8;
 - CHC 255, tractor, McCormick-Deering, 10-20.
- No lump sum bids. Equipment may be inspected at Division of Highways' yard, 1045 Derby Ave., Fruitvale, on any working day from 8:30 A. M. to 4:30 P. M.

SACRAMENTO. Cal.—Bids to furnish one 30- or 35-hp. track type tractor, equipped with street plates and canopy to, opened by the State Purchasing Agent, Sacramento, Nov. 12, follow:

Crook Co., bidding on Allis-Chalmers, list price \$2846; allowance on a Caterpillar 20 tractor, \$550; net price, \$2296.

Shepherd Tractor and Equip. Co., bidding on Caterpillar, list price, \$2,602.50; allowance \$462.50; net price, \$2240.

Mack Woodridge Co., Inc., bidding on Cletrac, list price, \$2570; allowance, \$210; net price, \$2360.

B. Hayman Co., bidding on Bates, list price not stated, allowance not stated; net price, \$2445.

Associated Equip. Co., bidding on Bates, list price, \$2806.75; allowance, \$200; net price, \$2606.75.

BOULDER CITY. Nev.—E. T. Kibler, purchasing agent for the Six Companies, Inc., Boulder City, Nev., has announced that contracts to be awarded in the near future are:

(1) Twelve cableways and hoists to be built across the river; the hoists to carry from 12 to 20 tons. Tests to determine the exact specifications are now being made.

(2) Steel forms for lining the 50-ft. diversion tunnels with concrete. These forms must be collapsible and movable. No definite design has been decided yet.

(3) Electrification of eleven miles of company railway from dam site to gravel pit. This work will involve locomotives, signals, switchboards, etc.

(4) Pile and trestle bridge across the river at the gravel pits in place of the conveyor first proposed. The cars are to be loaded by electric shovels.

Address E. T. Kibler, care of Six Companies, Inc., Boulder City, Nev.

BERKELEY. Alameda Co., Calif.—Charles F. Bulotti Machinery Co., 928 Folsom St., San Francisco, at \$1,978 submitted low bid to board of education to furnish and deliver one demonstrator engine lathe for the Berkeley high school. Complete bids follow:

Chas. F. Bulotti Machinery Co.	\$1,978
Herbert Moore Machinery Co.	1,938
Alternate	2,088
Fiannigan Machinery Co.	2,049
Harris Stallman	2,093
Jennison Machinery Co.	2,521
Harron, Rickard & McCone	2,747
Alternate	2,319

Bids held under advisement until November 30.

BERKELEY. Alameda Co., Calif.—Following bids received by city council to furnish 7000-lb. capacity truck for Garbage Dept.:

- McGurrin Truck Co., \$3,520; allowance on old truck, \$125.
- MacDowell Truck Co., \$3,547; allowance, \$100.
- George W. Nelson, \$3,892; allowance, \$510.

Fageol Corp., \$3,975; allowance, \$50. Doane Truck Co., \$4,095; allowance, \$50.

Kleiber Truck Co., \$4,233.20; allowance, \$50.

Bids held under advisement.

RAILROADS

BOULDER CITY. Nev.—Six Companies, Inc., contractors for the Hoover Dam, announces contracts will be let shortly for the electrification of 11 miles of company railway from the dam site to the gravel pit. The project will require locomotives, signals, switchboards, etc. E. T. Kibler, Boulder City, is the purchasing agent. Address him care of Six Companies, Inc., Boulder City, Nev.

FIRE ALARM SYSTEMS

HUNTINGTON PARK. Los Angeles Co., Cal.—Acme Traffic Signal Co. submitted only bid to city council at \$2,550 to furnish and install traffic signals for two intersections.

FIRE EQUIPMENT

KLAMATH FALLS. Ore.—Until November 23, 7:30 P. M., bids will be received by Roy N. Fouch, police judge, to furnish 4,000 ft. standard 2½-inch double jacketed fire hose. Payment for same will be made upon delivery. Specifications obtainable from above office.

EXETER. Tulare Co., Cal.—Ed Aubrey, city clerk, authorized by city council to advertise for bids for 5000-gallon pumper for Fire Department.

RESERVOIRS AND DAMS

LOS ANGELES, Calif.—Until 2 P. M., Nov. 23, bids will be received by county supervisors for driving outlet tunnel for San Gabriel Dam No. 2, approximately 1000 lin. ft. of 16-ft. diameter tunnel. Plans were prepared by E. C. Eaton, chief engineer, Los Angeles County Flood Control District. The quantities are:

- (1) 6000 cu. yds. driving of untimbered tunnel complete;
- (2) 400 cu. yds. driving of timbered tunnel complete, including all costs of timbering;
- (3) 3400 cu. yds. excavation for open cut approaches at portals of tunnel.

James B. Beatty, 303 Hall of Records, Clerk of the Board.

LOS ANGELES, Calif.—E. C. Eaton, chief engineer, Los Angeles County Flood Control District, announces that actual work on San Gabriel Dam No. 2 may start about December 1. This dam will be built nine miles up the west fork of San Gabriel Canyon. It will be a rock-fill flexible type with concrete facing and having a total height of 290 feet.

PIPE LINES, WELLS, ETC.

SALT LAKE CITY, Utah—Until December 16, 2:30 P. M., bids will be received by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, Calif., for installing gas distribution lines and gas and oil burning equipment at the Veterans' Hospital at Salt Lake City, Utah. This work will consist of excavating, backfilling, piping, valves, fittings, non-conducting pipe covering, regulators, fuel oil tank, concrete foundations and pipe trench; oil pumps, strainers, heaters, traps, meters, thermostatic regulator, relief valves, oil burners, gas burners, gauges, brickwork, lower boiler fronts, motors, controllers, conduit and wiring. Plans obtainable from the Supervising Superintendent of Construction at Palo Alto.

SAN CLEMENTE, Los Angeles Co., Calif.—City has \$15,000 available for drilling water well to augment present water supply.

SPADRA, Los Angeles Co., Calif.—Lyon Bros., 1363 Carmona, Los Angeles, at \$2,800, awarded contract by State Department of Public Works, Sacramento, for drilling and testing a water well at the State Hospital at Spadra.

SEWERS AND SEWAGE DISPOSAL PLANTS

ALAMEDA, Calif.—City Const. Co., 1024 E 22nd St., Oakland, at \$23,758 recommended for award of contract by U. S. Bureau of Public Roads, San Francisco, to construct Unit No. 2, consisting of a combination storm and sanitary sewer system and a portion of Unit No. 4, consisting of multiple duct subways for electric wiring, reinforced concrete manholes, and service boxes at Government Island, Alameda. Complete total unit bids published in our issue of November 12.

LONG BEACH, Calif.—City Engineering Department is preparing plans for storm drain system in Central Residential District (Storm Drain No. 3); estimated cost \$500,000. Bids will be asked in January. H. Paterson, city engineer.

LONG BEACH, Calif.—Gogo & Rados, 10,024 Figueroa St., Los Angeles, was

awarded contract by city council at \$721,862.70 for construction of sewers in the North Long Beach Sewer District (Pump Saver District No. 11). The district embraces all of North Long Beach north of the Virginia Country Club. According to the engineer's estimate, the system will involve about 314,736 lin. ft. of sewer with necessary structures and pumping stations. Unit bids published in issue of November 12.

BEVERLY HILLS, Los Angeles Co., Calif.—Until November 24, 3 P. M., bids will be received by city council to construct storm drain in Linden Drive, Roxbury Drive and other Sts. involving:

- 3 catchbasins, 10-ft. side openings;
- 6 catchbasins, 10-ft. grating openings;
- 5 catchbasins, 5-ft. side openings;
- 2 catchbasins, 3.3-ft. grating openings

6036 cu. ft. 12-in. corr. pipe;
14 ft. 15-in. corr. pipe;
220.5 ft. 18-in. corr. pipe;
31.6 ft. 24-in. corr. pipe;
67.5 ft. 30-in. corr. pipe;
232.4 ft. 36-in. corr. pipe;
1123 ft. box section drain;
9 manholes with frames and covers;
5 shallow manholes with frame and covers;

5 culvert frame and covers only. Plans obtainable from W. R. Metz, city engineer.

PETALUMA, Sonoma Co., Calif.—City council has started proceedings for a 6-in. ironstone sewer along Rodgers Creek at the rear of the Rodgers, Murphy, Denham property.

OROVILLE, Butte Co., Calif.—R. A. Dotson, Oroville, at \$1,898.46 awarded contract by county supervisors to construct concrete sewage disposal works and accessories connected therewith at the Butte County Infirmary near Oroville. Project involves:

- (1) 29 cu. yds. reinf. concrete Class A (1-2-4) septic tank;
- (2) 450 cu. yds. earth excavation;
- (3) 100 ft. 16-in. vit. sewer pipe;
- (4) 40 ft. 8-in. do;
- (5) 408 ft. 4-in. do;
- (6) 624 ft. 6-in. do;

Complete list of bids follows:
R. A. Dotson, Oroville.....\$1,658.46
Chas. Self, Chico.....1,720.95
O. A. Peter, Oroville.....1,747.17
T. H. Polk, Chico.....1,959.80

ST. HELENA, Napa Co., Calif.—Harry Thorsen, 1519 Kearney Street, St. Helena, at \$1,150 submitted sole bid to city council to improve sewage disposal plant. Bid was rejected and the work will be done by day labor.

MISCELLANEOUS CONSTRUCTION

OAKLAND, Calif.—Until November 25, 8 P. M., bids will be received by John H. Kimball, Secretary, East Bay Municipal Utility District, to construct and furnish 1950 lin. ft. 4-in. thickness 24-in. diameter electric welded sheet steel pipe for the distribution system. Specifications LS68, obtainable from secretary.

See call for bids under official proposal section in this issue.

WATER WORKS

LONG BEACH, Calif.—Western Pipe & Steel Co., 5717 Santa Fe Ave., Los Angeles, submitted low bid to City Manager at \$137,000 for fabrication and erection of six steel tank water reservoirs on Alamitos Hill. Each tank will be 132 ft. in diameter and 35 ft. high. The bids follow:

Western Pipe & Steel Co. (1) \$22,-

775 for steel stairway and steel foot bridge. (2) total \$14,000.

McGuffee Manufacturing Co. (1) \$14,426, (2) \$205, (3) \$11,221.

Consolidated Steel Corp. (1) \$22,617, (2) \$205, (3) \$11,221.

James Mfg. Co. (1) \$22,617, (2) \$205, (3) \$11,221.

Chicago Bridge & Iron Works, (1) \$23,140, (2) \$205, (3) \$11,221.

All bids were taken under advertisement.

LOS ANGELES, Calif.—Until 12 M., November 14, bids will be received by county purchasing agent H. E. Russell, 192 N. Broadway, for furnishing and 50-barrel capacity, corrugated galvanized iron tank, about 20-in. outer, 12 bleeder valves. Specifications No. 1986.

HILLSBOROUGH, San Mateo Co., Calif.—Hillsborough Water Co., 8 Sutter Street, San Francisco, is negotiating for the purchase of a site on which to construct a filtration plant in connection with the water system.

HAYWARD, Alameda Co., Calif.—Fairview County Water District was recently organized by a vote of the 1. Election will be called at once to vote bonds of \$36,000 to finance construction of a water distributing system to tie-in with the system of the East Bay Municipal Utility District.

SANTA CRUZ, Santa Cruz Co., Calif.—City council entered plans to construct of municipal water system to serve the Sequel district. Construction contemplated will involve 18,000 ft. of 14-in. pipe to deliver 1,000,000-gals. of water daily. Roy Fowler is city engineer.

DUFUR, Oregon—Until Nov. 23, 10 A. M., bids will be received by Water Board for additions to the water supply system, involving:

- (1) one 6x20x70-ft. reinforced concrete settling tank;
- (2) 300 ft. 6-in. dia., 50-ft. head pipe;
- (3) 200 ft. 6-in. dia., 100-ft. do;
- (4) 200 ft. 6-in. dia., 150-ft. do;
- (5) 4340 ft. 6-in. dia., 200-ft. do;
- (6) various fittings and valves and the necessary excavation.

Plans obtainable from Christ Fauer, engineer, Court House, The Dalles, Oregon, upon deposit of \$10.

BEVERLY HILLS, Los Angeles Co., Calif.—Water Works Supply Co., 2326 E 8th St., Los Angeles, awarded contract by city council at \$950.50 to furnish and install one recording water meter.

SACRAMENTO, Calif.—December 16 date set by the Sacramento Municipal Utility District to vote bond of \$25,000 to finance construction of the Silver Creek project which will provide a 70,000,000-gallon daily water supply. Of the total amount to be voted \$10,800,000 will be used in connection with the water project proper and \$1,800,000 for special conduits to furnish water to the Pacific Gas and Electric Company power house. The power company will construct the power houses which will cost \$2,500,000, according to tentative estimates. Albert Given, city hall, is chief engineer for the Sacramento Municipal Utility District.

COALINGA, Fresno Co., Calif.—Peelless Pump Co. awarded contract at \$2,795 by city council to furnish and install pump and motor for water supply with the necessary appurtenances. Complete bids received in form of October 24.

LOS ANGELES, Calif.—J. B. McIntosh, 1236 N. Broadway St., submitted low bid to county supervisors at \$2,

for constructing concrete foundations and retaining wall for 200,000-gallon storage tank at the Los Angeles General Hospital.

HELMONT, San Mateo Co., Calif.—Helmont Water District plans placing 900 ft. of 8-in. c. l. main from Old Country Road to Schmalt St.; estimated cost \$1,850.

SAN FRANCISCO—Following contracts awarded by Board of Public Works to furnish and deliver butterfly and relief valves for the San Joaquin Valley Pipe Line, Hetch Hetchy Aqueduct:

Pelton Water Wheel Co., 2929 19th St., San Francisco, 2 automatic synchronous stop and relief valves, \$18,300; 1 automatic pressure valve, \$5210. Joshua Hendy Iron Works, 200 Pine St., San Francisco, one 60-in. butterfly valve, \$3950. Complete list of bids published in issue of November 5.

FAIRFIELD, Solano Co., Calif.—Western Pump Co., Ltd., P. O. Box 253, San Jose, at \$612 submitted low bid to city council to supply a deep well turbine pump. Complete bids follow:

Western Pump Co.	\$612.00
Wilson Machinery Co.	642.00
Scott Machinery Co.	697.00
L. Buck	763.95
Coast Electric Service Co.	764.00
Kimball-Krough Pump Works.	767.60
Pelton Water Wheel Co.	811.00
Sterling Pump Co.	813.99
Layne & Bowler	827.45
Ford Machinery Co.	848.25
Byron Jackson Pump Co.	867.85
Pacific Pump Co.	951.00

All bids held under advisement until November 16.

SAN FRANCISCO—Until December 2, 2:30 P. M., bids will be received by E. J. Hester, secretary, Board of Public Works, to construct sprinkler system for the trotting track at the Golden Gate Park Stadium. The cost is estimated at \$6000. Project involves:

- (1) 4179 ft. 4-in. Class B bell and spigot pipe;
- (2) 45 ft. 2½-in. galvanized wrought steel pipe;
- (3) 105 ft. 2-in. do do do;
- (4) 745 ft. 1½-in. galv. wrought steel sprinkler line;
- (5) 1512 ft. 1-in. do do do;
- (6) 6040 ft. ¾-in. do do do;
- (7) 8 1½x1½x2-in. automatic oscillators for straight sprinkler lines;
- (8) 20 1¼x1¼x1½-in. automatic oscillators for curved sprinkler lines;
- (9) 724 pipe roller posts;
- (10) 5 4-in. No. 460 non-rising stem wedge valves.

Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineering, 3rd Floor, City Hall.

LOS ANGELES, Calif.—Until 11 A. M., December 2, bids will be received by Los Angeles harbor department at Room 405, Branch City Hall, San Pedro, for a 100,000-gallon sprinkler tank, and tower for Berths 145 and 146, Los Angeles Harbor; specification No. 854. This specification covers the furnishing, fabrication and erection of a steel, gravity sprinkler tank, complete except for foundations and anchor bolts. Bidding data may be obtained from the harbor engineer, Branch City Hall, San Pedro. Certified check or bond for 10 per cent must accompany each bid. Burt Edwards, general manager.

STREETS AND HIGHWAYS

MERCED, Merced Co., Calif.—Until December 15, 11 A. M., bids will be received by P. J. Thornton, county clerk, to furnish during the calendar year of 1932 not less than 15,000 nor more than 30,000 barrels of road oil, processed or unprocessed, the pure asphalt bitumen content to be not less than 58 per cent or more than 70 per cent. Deliveries shall be made between the first day of May and the first day of November, 1932, at such time as the same are requisitioned by the said Board of Supervisors. One barrel hereunder shall be understood to contain 42 gallons. Bids shall be per barrel in carload lots f.o.b. shipping point (loaded in plain cars equipped with steam coils), same to be designated in all bids, freight to be prepaid to all points in Merced County and to be billed by adding freight to contract price at shipping point. Factors to be considered in awarding bid are the quality of the oil as shown by the bid and the total cost of the oil as ultimately delivered f.o.b. Merced.

PALO ALTO, Santa Clara Co., Cal.—City Engineer J. F. Byxbee making surveys for an arterial road to connect Lytton Ave. and Menalto Ave., North Palo Alto. It is proposed to widen Lytton Ave. 7 ft. on both sides as far as Guinda St., widening and relocating Palo Alto Ave. to connect with Lytton Ave. at Guinda, and bridging creek at a point northeastly from the Pope bridge to connect with Menalto Ave.

VENTURA, Ventura Co., Cal.—Until 11 A. M., Dec. 9, bids will be received by the directors of Joint Highway District No. 6, county court house, Ventura, for grading, construction of culverts and all incidental work for the improvement of a portion of the Casitas Pass division of the Maricopa-Carpinteria highway, between Ojai and Carpinteria. The work, which will be paid for in cash, involves:

- (1) 112,000 cu. yds. earthwork excavation;
- (2) 200 cu. yds. structural excav.
- (3) 34 cu. yds. class A structural concrete;
- (4) 1900 lbs. reinf. steel;
- (5) 472 ft. 18-in. corr. iron pipe;
- (6) 40 ft. 24-in. corr. iron pipe;
- (7) 250 ft. 30-in. corr. iron pipe;
- (8) 27,000 ft. standard stock fence.

Estimated cost \$40,000. Plans may be obtained from the chief engineer, Chas. W. Pettit, county surveyor of Ventura County.

BEVERLY HILLS, Los Angeles Co., Cal.—Until 8 P. M., Dec. 8, bids will be received by city council to improve Santa Monica Blvd. (north roadway), Linden Drive, Roxbury Drive and other streets. Cash Contract, involving:

- (1) 57,288 sq. ft. grading;
- (2) 22,199.6 sq. ft. pavement (5-in. asph. concr. base with 2-in. asph. concr. (Topeka) wearing surface);
- (3) 15,650.2 sq. ft. gutter (8-in. concr.);
- (4) 35,831 ft. curb (class B 6-in-x9-in. 15-in.);
- (5) 4127.1 sq. ft. sidewalk (¾-in.)

W. R. Metz, city engineer.

PEARL HARBOR, T. H.—Kahili Contracting Co., Honolulu, T. H., at \$41,350 awarded contract by U. S. Bureau of Yards and Docks for concrete paving at Pearl Harbor, T. H.

ALAMEDA, Alameda Co., Cal.—All bids were rejected by City Council to resurface 3 tennis courts at Washington Park, involving 17,707 sq. ft. New bids will be asked shortly.

TRINITY COUNTY, Cal.—S. and E. Eastwood, 2041 California St., Redding, at \$12,015 awarded contract by State Highway Commission to furnish crushed gravel or stone in stockpiles between Weaverville and Grass Valley Creek. Complete total and unit bids published in issue of Nov. 14.

LOS ANGELES, Cal.—J. L. McClain, 3452 W. Slauson Ave., Los Angeles, awarded contract by board of public works Nov. 16 at \$77,981.84 to improve Vista Del Mar from Fowler Ave. to Pine St., involving in the main:

- Grading (5700 cu. yds. cut approx.);
- 3000 cu. yds. fill (approx.);
- 73,619 sq. ft. concrete paving, 7-inches thick, with expand. and contraction joints;
- 4520 sq. ft. conc. paving, 6-in. do;
- 185,835 sq. ft. Bitumuls full penetration paving, 7-in. thick.

SAN DIEGO, Calif.—Yglesias Bros., Inc., Box 25, End of 32nd St., San Diego, submitted low bid to county surveyors at \$26,560 for the grading of Road Survey No. 476 (near Lake Hodges Dam). The other bids were: C. R. Butterfield, \$31,346; Nelson and Sloan, \$31,700.

SAN FRANCISCO—M. J. Lynch, 478 36th Ave., at \$700 submitted low bid to Board of Public Works, to construct 5000 sq. ft. artificial stone sidewalks in Brussels St. between Harkness & Wilde Aves. and other streets. Unit bids follow:

M. J. Lynch	\$.14
M. Bertolino	.15
Love and Haun	154

SAN MATEO, San Mateo Co., Cal. City council has started proceedings for oil macadam surfacing in West 36th and West 37th Aves. Colgrove, Pacific, Juniper and other streets in that vicinity; estimated cost \$4,500.

LOS ANGELES, Cal.—Until 10 A. M., Dec. 2, bids will be received by Board of Public Works for grading, paving and otherwise improving Lankershim Blvd., between San Fernando Rd. and Burbank Blvd., cash contract, involving:

- (1) grading (9660 cu. yds. excavation and 1640 cu. yds. fill);
- (2) 6129 tons asphalt concr. wearing surface;
- (3) 12,344 tons asphalt concr. base;
- (4) 158 tons decomposed granite in place;
- (5) 57 ft. heavy unplastered curb;
- (6) 165 sq. ft. one-course walk;
- (7) 171 sq. ft. 8-in. gutter;
- (8) storm drain, including culverts.

LOS ANGELES, Calif.—Until 10 A. M., Dec. 2, bids will be received by Board of Public Works to improve San Fernando Road between Weldon Canyon Road and north city boundary of San Fernando, cash contract, involving:

- grading (22,910 cu. yds. excavation, 4079 cu. yds. fill);
- 4796 tons asphalt concrete wearing surface;
- 13,080 tons asphalt concrete base;
- 96,739 sq. ft. 2-in. rock and oil roadway;
- 113 tons decomposed granite in place;
- 608 sq. ft. 8-in. concrete paving;
- 25,401 ft. heavy unplastered curb;
- 956 ft. integral curb (not reinforced);
- 23,233 sq. ft. 8-in. gutter;
- storm drain;
- 2 wooden guard posts.

LAS VEGAS, Nev.—Earl Roche, Las Vegas, awarded subcontract by Six Companies, Inc., at \$16,000 for oiling 9.5 miles of road from Boulder City—through Henningway Wash—to the gateway at Williamsville.

SHASTA COUNTY, Cal.—James W. Bertram, Weott, at \$6,700 submitted low bid to District Engineer, State Highway Commission, Redding to furnish in stockpile 2,000 cu. yds. of crushed gravel or stone screenings between Montgomery Creek and Burney. Complete bids follow:

James W. Bertram, Weott, \$6,700 (\$3.35 cu. yd.)
Hemstreet & Bell, Marysville, \$7,700 (\$3.85 cu. yd.)

SIERRA MADRE, Los Angeles Co., Cal.—City council plans to gravel and oil 5.5 miles of streets, estimated to cost 1c sq. ft. Work will be started within 30 days to relieve unemployment situation.

SAN BERNARDINO COUNTY, Cal.—Healy-Tibbitts Const. Co., 64 Pine St., San Francisco, at \$321,514 awarded contract by State Highway Commission to grade and surface with oil treated selected material, 10.9 miles between Devere and Alray on the Cajon Pass Road. Complete total and unit bids published in issue of Nov. 6.

CHURCHILL COUNTY, Nev.—As previously reported, bids will be received Dec. 2, 2 P. M., by S. C. Durkee, state highway engineer, Carson City, to construct portion of state highway system in Churchill County between 9.59 miles south of Fallon and Fallon, a length of 9.59 miles, involving grading, construct structures and place surfacing material. Project involves:

- (1) 54,300 cu. yds. rdwy. excavation;
- (2) 300 cu. yds. struc. excavation;
- (3) 20,121 yd. sta. overhaul;
- (4) 9.58 miles prepare subgrade and shoulders;
- (5) 3 remove timber bridges;
- (6) 6 remove timber culverts;
- (7) 22,700 cu. yds. crushed gravel or crushed rock in place;
- (8) furnish water equipment;
- (9) 1,310 M. gals. applying water;
- (10) 5 cu. yds. Class A concrete;
- (11) 5 cu. yds. Class B concrete;
- (12) 632 lin. ft. 18-in. corr. metal pipe
- (13) 82 lin. ft. 36-in. do;
- (14) 103 lin. ft. 42-in. do;
- (15) 52 lin. ft. 24-in. corr. metal siphon pipe;
- (16) 25 cu. yds. rip-rap;
- (17) 34 monuments;
- (18) 9.59 miles finish roadway;
- (19) 6.3 M. ft. b.m. remove and replace salvaged timber;
- (20) 7.6 M. ft. b.m. placing salvaged timber;
- (21) 20 M. ft. b.m. Redwood timber in place;
- (22) 15.3 M. ft. b.m. Douglas Fir timber in place;
- (23) 418 lin. ft. fash timber piles;
- (24) 352 lin. ft. drive timber piles;
- (25) 4,954 lin. ft. remove fence;
- (26) 8,874 lin. ft. remove and reconstruct fence;
- (27) 8,468 lin. ft. construct fence;
- (28) 9 remove trees.

Certified check 5% required with bid. Plans obtainable from engineer on deposit of \$15 of which \$10 is returnable. Plans on file in office of the U. S. Bureau of Public Roads, 461 Market St., San Francisco, and the Northern California Chapter, A.G.C., 206 Sansome St., San Francisco.

YOLO COUNTY, Cal.—J. R. Reeves, Rt. 3, Box 100, Sacramento, at \$339,76 submitted low bid to U. S. Engineer, Sacramento, to grade and bituminous surface a roadway, 600 feet long, one half mile west of the westerly end of the M street bridge, Sacramento, over the hydraulic dredge fill. Project involves:

- (1) 350 cu. yds. grading;
- (2) 16 barrels heavy fuel oil;
- (3) 15 barrels asphaltic road oil;
- (4) 40 cu. yds. screenings.

A. Teichert & Son, Inc., Sacramento submitted only other bid at \$397. Engineer's estimate, \$1,070.04.

OAKLAND, Cal.—Until Dec. 3, 9 P. M., bids will be received by W. W. Chappell, city clerk, to improve portions of Hampton Road and Estates and Wood Drives, involving:

- (1) 10,392 cu. yds. excavation;
- (2) 71 lin. ft. concrete curb;
- (3) 68,710 sq. ft. concrete pavement;
- (4) 4 storm water inlets;
- (5) 117 lin. ft. 12-in. conc. pipe conduit;
- (6) 74 lin. ft. 15-in. do;
- (7) 10 lin. ft. 8x24-in. corrugated iron culvert;
- (8) 1 concrete manhole;
- (9) 29 cu. yds. concrete retaining wall.

Specifications on file in office of city clerk. Walter N. Frickstad, city engineer.

STOCKTON, San Joaquin Co., Cal.—Until Nov. 30, 11 A. M., bids will be received by Eugene D. Graham, county clerk, to improve the Murphy Ferry Road, Road District No. 3, involving:

- (1) 8800 cu. yds. grading;
- (2) 7300 tons crusher run base;
- (3) 750 tons crushed rock;
- (4) 325 tons rock tip;
- (5) 260 tons pea gravel;
- (6) 107 barrels fuel oil;
- (7) 85 tons asphaltic oil;
- (8) 1 culvert pipe.

Cash, bond or certified check 10% payable to chairman of board of supervisors required with bid. Spec. obtainable from Julius B. Manthey, county surveyor.

SANTA ANA, Orange Co., Cal.—Until Nov. 30, 3 P. M., Nov. 30, bids will be received by city council to improve 17th St. Project involves:

- 42,525.93 sq. ft. 6-in. concrete paving, including grading;
- 38,455.85 sq. ft. subgrade for asphalt concrete pavement;
- 1427.67 tons asphalt conc. paving;
- 1031.23 tons asphalt conc. top;
- Curbs, walks, etc.

Plans obtainable from DeWitt Dudley, city engineer.

MOUNTAIN VIEW, Santa Clara Co., Cal.—Further consideration of plans to improve Moffett Blvd. in Aca and Imp. District No. 2 will come before the city council Nov. 17, when it is expected that bids will be asked. Project involves:

- (1) 3,000 cu. yds. grading, excav.
- (2) 52,300 sq. yds. grading, surface;
- (3) 1,470 lin. ft. concrete curb and gutter;
- (4) 52,300 sq. ft. rolled rock base;
- (5) 46,400 sq. ft. asphalt conc. pave;
- (6) 500 lin. ft. 3-in. cast iron water main;
- (7) 70 lin. ft. 6-in. do;
- (8) 2 8-inch valves;
- (9) 2 6-inch valves;
- (10) 1,200 lbs. cast iron fittings;
- (11) 500 lin. ft. 3/4-inch copper service pipe;
- (12) 2 catchbasins;
- (13) 30 lin. ft. 12-in. corr. iron pipe culvert;
- (14) 10 electroliters, complete;
- (15) 1,600 lin. ft. 1-in. conduit;
- (16) 1,700 lin. ft. electric conductor.

The project will cost \$43,000, of which the city will pay \$25,000 and the county of Santa Clara \$18,000. Work under Aca and Imp. Act 1925. B. L. Hays, city clerk. C. C. Kennedy, Call Bldg., San Francisco, engineer.

TRINITY COUNTY, Calif.—As previously reported, Silvester Eastwood, 2041 California St., Redding, at \$12,015 submitted low bid to District Engineer, State Highway Commission Redding, to furnish crushed gravel or stone in stock piles between Weaver-

vile and Grass Valley Creek. Complete bids follow:

- (1) 1,000 cu. yds. coarse screenings;
 - (2) 2,350 cu. yds. fine screenings;
 - (3) 1,400 cu. yds. untreated crushed gravel or stone surf. material.
- (A) Silvester Eastwood, Redding, \$12,015.00
(B) J. W. Bertram, Weott, 12,112.50
(C) E. B. Bishop, Sacramento, 12,612.50 (13)
- | | | | |
|-----|--------|--------|--------|
| (A) | \$2.40 | \$2.50 | \$2.60 |
| (B) | 2.50 | 2.75 | 2.25 |
| (C) | 2.65 | 2.75 | 2.50 |

KENTFIELD, Marin Co., Cal.—Vincent Maggiora, 15 Harrison St., Sausalito, at \$1358.42 awarded contract by Marin Junior College District to improve Junior College grounds as follows:

- (1) 588 ft. grading roadway to a width of 30 ft., \$40.
- (2) curbs and surfacing roadway, \$35.
- (3) 17,700 sq. ft. crushed rock, \$93.
- (4) 1700 sq. ft. asphalt conc., \$915.

SANTA CRUZ, Santa Cruz Co., Cal.—City Engineer Roy Fowler has completed plans and bids will probably be asked November 18 by the city council to improve (463-C) portions of Front St., involving:

- (1) 18,600 sq. ft. grading to subgrade;
 - (2) 18,600 sq. ft. cem. conc. pave;
 - (3) 762 lin. ft. cem. conc. curbs;
 - (4) 6,914 sq. ft. cem. conc. sidewalk;
 - (5) 890 sq. ft. P. C. type B driveway approach;
 - (6) 1 (re-const.) sanitary sewer manhole;
 - (7) 190 lin. ft. 8-in. vitrified clay pipe main sanitary sewer;
 - (8) 7 4x8-in. vit. clay pipe wyes;
 - (9) 480 lin. ft. 4-in. vitrified clay pipe sewer laterals;
 - (10) 4 P. C. concrete catchbasins, type 3.
 - (11) 170 lin. ft. 10-in. P. C. concrete pipe drains;
 - (12) 100 lin. ft. encasing sanitary sewer in P. C. C.;
 - (13) 252 lin. ft. 3/4-in. W. I. pipe water services;
 - (14) 12 corporation cocks;
 - (15) 12 curb stop cocks;
 - (16) 12 Port. cem. conc. meter boxes;
 - (17) furnish and install 4 electroliters (complete) with concrete foundations, columns, elbows, castings, bolts, glass globes, globe holders, refractors, canopies, sockets, adjustable socket supports, isolating transformers and wiring with No. 8 cable.
- 1911 Act. S. A. Evans, city clerk.

General Water Treatment Corp. New York City, has acquired the business of the American Zeolite Corp., which will hereafter manufacture the synthetic zeolite Decalo at Birmingham, N. J., under a license granted by the Permutt Co. The General Water Treatment Corp. was organized in 1930 and at that time acquired the Permutt Co. and the Ward-Love Pump Corp.

Paraffine Companies Inc., has met reductions in prices of linoleums and felt base floor coverings recently announced by Congoleum-Nairn Inc., Armstrong Floor Products Company and others. Reductions range from 5 per cent to 30 per cent on linoleum and 15 per cent to 35 per cent on felt base stock. A Paraffine expert says new prices will stimulate business through the winter months.

B. W. Goodenough, for several years assistant engineer with the East Bay Municipal Utilities District, Oakland, is now field engineer for Six Companies, Inc., on the Hoover Dam project at Boulder City, Nevada.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
1641	Nelson	Owner	1500
1646	Herman	Owner	3000
1649	Cowan	Owner	3000
1647	Stalin	Owner	4000
1648	Cambridge	Owner	1500
1640	Bergstedt	Owner	5000
1650	Kiernan	Owner	4000
1651	Loebl	Aetna	3500
1652	Nelson	Owner	8000
1658	Winegard	Winegard	4000
1653	Berwick	Owner	16500
1654	Wk. of America	Koenig	1311
1665	Besio	Owner	4500
1656	Siel	Binet	3000
1657	Schmid	Lind	1300
1658	Stanton	Owner	3500
1659	Herzberg	Owner	1000
1659	Begley	Meinberger	7000
1661	Godin	Owner	6500
1662	Dall	Owner	4000
1663	Cecchi	Frachia	6450
1664	Johnson	Owner	4000
1665	Macdonald	Owner	3000
1666	Narian	Owner	15800

DWELLINGS

(1664) W 21st AVE 119 N Ocean Ave.; four 1-story and basement frame dwellings.

Owner—P. Nelson & Sons, 19th Ave. and Sloat Blvd.
Plans by Owner. \$15,000

DWELLINGS

(1645) E 22nd AVE 50 S Pacheco; two 1-story and basement frame dwellings.

Owner—Herman & Shelley, 3004 16th Avenue.
Architect—C. O. Clausen, 746 46th Ave. \$3000

DWELLING

(1650) W 22nd AVE 305 S Vicente; one-story and basement frame dwelling.

Owner—S. Cowen, 1123 Taraval St.
Plans by Owner. \$3000

DWELLING

(1647) W 27th AVE. 125 S Taraval; 1-story and basement frame dwelling.

Owner—G. O. Stalin, 2020 Taraval St.
Architect—Not Given. \$4000

DWELLING

(1649) SE COR. 47th AVE and Kirkham St.; one-story and basement frame dwelling.

Owner—Mrs. I. M. Cambridge, 4620 Irving St.
Plans by W. A. Herman, 1366 12th Avenue. \$1500

DWELLING

(1649) W SAN PABLO AVE. 572 E Portola Drive; one-story and basement frame dwelling.

Owner—G. E. Bergstedt, 458 Frederick Street.
Architect—Not Given. \$5000

DWELLING

(1650) S GEARY 90 W 47th Ave.; 1-story and basement frame dwelling.

Owner—Kiernan & O'Brien, % architect.
Architect—A. H. Larsen, 594 Bright. \$4000

DWELLING

(1651) W 41st AVE 225 S Judah; one-story and basement frame dwelling.

Owner—E. Leeman, 166 Miramar Ave. Plans by Contractor.
Contractor—Aetna Const. Co., 166 Miramar Ave. \$3500

DWELLINGS

(1650) S JUANITA 540 W Del Sur; two 1-story and basement frame dwellings.

Owner—Meyer Bros., 727 Portola Dr. Plans by Owners. \$4000 ea.

DWELLING

(1598) 6140 BROADWAY TERRACE, OAKLAND; 1½-story six-room dwelling.

Owner—H. M. Winegarden, 1417 Virginia St., Berkeley.
Architect—Not Given.
Contractor—H. E. Wolcott, 312 17th St., Oakland. \$4000

DWELLINGS

(1653) E CRANE 200 N Sallan Ave. Three one-story and basement frame dwellings.

Owner—A. Berwick, 1525 Noe St., San Francisco.
Plans by Owner. \$3500 each

ALTERATIONS

(1654) NO. 791 HOWARD. Alter interior of store.

Owner—Bank of America for Pockwitz Estate, 1 Powell St., San Francisco.
Architect—Not Given.
Contractor—C. J. Koenig, 520 Church St., San Francisco. \$1311

DWELLING

(1655) SW EDINBURGH AND PERSEA AVE. One-story and basement frame dwelling.

Owner—L. Besio, 534 Edinburgh St., San Francisco.
Plans by Owner. \$4500

DWELLING

(1656) SE COR. UPLAND and Manor; one-story and basement frame dwelling.

Owner—W. Sell, 2454 33rd Ave. Plans by Mr. Binet.
Contractor—J. J. Binet, 2454 33rd Ave. \$3000

REPAIRS

(1657) 310-122 EUREKA; repair foundation of flats.

Owner—Mrs. J. Schmid, 118 Caselli. Plans by Mr. Lind.
Contractor—R. Lind, 54 Stanton. \$1300

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - California

DWELLING

(1658) W CAYUGA 90 N Seminola; 1-story and basement frame dwelling.

Owner—Stoneson Bros. & Thorinsson, 279 Yerba Buena.
Architect—C. F. Strothoff, 2274 15th Street. \$3500

REPAIRS

(1659) 371-391A SAN JOSE AVENUE; repair fire damage.

Owner—B. Herzberg & Son, 1119 Fillmore St.
Architect—Not Given. \$1000

FLATS

(1660) E PROSPECT 150 S Virginia; two-story and basement frame (2) flats.

Owner—J. Begley, 1206 Valencia St. Architect—Not Given.
Contractor—H. S. Meinberger, 343 4th Street. \$7000

DWELLINGS

(1661) S MANGLES AVE 300 E Forster; two 1-story and basement frame dwellings.

Owner—G. V. Godin, 586 Monterey Blvd.
Plans by B. Dobkowitz, 435 Monterey Blvd. each \$3250

DWELLING

(1662) S MUNICH 94 W Cordova; 1-story and basement frame dwelling.

Owner—J. Dall, 940 Geneva Ave. Plans by D. E. Jackle, Call Bldg. \$4000

FLATS

(1663) N GREENWICH 140 W Grant Ave.; 2-story and basement frame (2) flats.

Owner—P. Cecchi, 33 Edith Place. Architect—L. Mastropasqua 530 Washington St.
Contractor—Frachia & Truffelli, 2450 Chestnut St. \$6450

DWELLING

(1664) W 17th AVE 178 S Vicente; one-story and basement frame dwelling.

Owner—S. F. Johnson, 2601 17th Ave. Architect—C. F. Strothoff, 2274 15th Street. \$4000

DWELLING

(1665) W 34th AVE 225 S Santiago; 1-story and basement frame dwelling.

Owner—D. L. Macdonald, 222 Leavenworth St. Plans by Owner. \$3000

DWELLINGS

(1666) W 26th AVE 400 S Moraga St.; four 1-story and basement frame dwellings.

Owner—Marian Realty Co., 1087 Market Street.
Plans by Owner. \$3950 each

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
257	Bernhard	Callaghan	3200
258	Cohen	McFarland	17000
259	Martinoni	Cristina	3000
260	Pioneer Women	Anderson	2
260	Pioneer Women	Anderson	2939

261 Gross	Linderman	1600
262 Fields	Linderman	16500
263 S. P.	Duncanson	
264 Holt	Gladstone	1790

ALTERATIONS

(257) N PINE 119-2 W Stockton W 35-4xN 59-6. All work for underpinning and repairing building. Owner—Mrs. C. A. Bernhard and A. Atkins.

Architect—S. A. Little & Co.
Contractor—F. C. Callaghan, 1166 Munich St., San Francisco.
Filed Nov. 14, '31. Dated Oct. 28, '31.
Building taken care of.....\$800
Concrete piles are poured.....500
When completed.....500
30 days after.....500
TOTAL COST, \$3200

Bond, \$3475. Sureties, R. Parks and J. Brown. Limit, 35 days. Forfeit, plans and specifications, none.

STORE BLDG.

(258) NW CHESTNUT AND AVILA 100-7 1/2 on Chestnut and 50 on Avila. All work for Class C store building.

Owner—D. Cohen.
Architect—Samuel L. Hyman and A. Appleton, 68 Post St., S. F.
Contractor—Jas. R. McFarland, 2578 25th Ave., San Francisco.
Filed Nov. 16, '31. Dated Nov. 9, '31.
Completion of foundations.....20%
Completion of roofing.....20%
Completion of plastering.....20%
Completed and accepted.....20%
Usual 35 days.....20%
TOTAL COST, \$17,000

Bond, none. Limit, 45 days. Forfeit, plans and specifications, none.

ADDITION

(259) W JESSOP PLACE S 1 ft. N of Washington St. All work for addition and alteration to Class C building.

Owner—E. Martinoni, 714 Montgomery St., San Francisco.
Architect—L. Zanolini, 604 Montgomery St., San Francisco.
Contractor—G. Cristina and B. Pagano
Filed Nov. 16, '31. Dated Nov. 10, '31.
Roof on.....\$1000
All work completed and accepted.....1000
Usual 35 days.....1000
TOTAL POST, \$2000

Bond, \$3000. Surety, N. Caprice. Limit, 60 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(260) GOLDEN GATE PARK. All work for alterations and additions to Log Cabin in Golden Gate Park. Owner—Assoc. of Pioneer Women of California.

Architect—J. H. Powers and J. H. Ahnden, 26 O'Farrell St., S. F.
Contractor—E. A. Anderson, 1177 De Haro St., San Francisco.
Filed Nov. 16, '31. Dated Oct. 30, '31.
Concrete, rat roofing and 50% logging in place.....\$ 850
Completed and accepted.....1340
Usual 35 days.....510
TOTAL COST, \$2690

Bond, none. Limit, 45 days. Forfeit, none. Plans and specifications filed.

REMODELING

(261) E SCOTT ST. 125 N Lombard N 25 E 110; remodeling basement and front of building.

Owner—M. Gross.
Architect—Not Given.
Contractor—H. O. Lindeman, Ltd., 619 27th Avenue.
Filed Nov. 17, '31. Dated Oct. 21, '31.
Rough plastering finished.....\$400
Windows finished and plaster on.....400
Completed.....400

Usual 35 days.....400
TOTAL COST, \$1600
Limit, 40 days. Plans and Spec. filed.

FLATS

(262) W WEBSTER 50 N Bay N 25 x W 100; all work on 2-story and basement frame flats.
Owner—W. Fields.
Architect—Not Given.
Contractor—H. O. Lindeman, Ltd., 619 27th Avenue.
Filed Nov. 18, '31. Dated Oct. 28, '31.
Frame up and enclosed.....\$2625
Rough plastered.....2625
Building completed.....2625
Usual 35 days.....2625
TOTAL COST, \$10,500
Limit, 120 days. Plans and Spec. filed.

EXTENSION OF TIME

(263) FOOT OF HYDE ST., extending time on contract to reconstruct portion of east wing of Slip No. 2 and driving piles for additional nose cluster.
Owner—Southern Pacific Golden Gate Ferries, Ltd.
Architect—Not Given.
Contractor—The Duncanson-Harrelson Co., deYoung Bldg.
Time extended to December 15.
Filed Nov. 18, '31. Dated Nov. 17, '31.
Payments and cost not given.

ADDITION

(264) 1601 MONTEREY BLVD.; all work for addition to the present premises.
Owner—Mr. and Mrs. H. B. Holt, 1601 Monterey Blvd.
Architect—F. E. Barton, Crocker Bldg.
Contractor—D. B. Gladstone, 557 Market Street.
Filed and Dated Nov. 18, '31.
Completion.....75%
Usual 35 days.....25%
TOTAL COST, \$1,700
Limit, 45 days. Plans and Spec. filed.

COMPLETION NOTICES

San Francisco County

Recorded.....Accepted

Nov. 12, 1931—E FORTY-SEVENTH AVE 235 S Santiago S 25xE 120. Daniel R and Birdie B Dewar to — Demartin. Nov. 7, 1931
Nov. 12, 1931—E HARVARD 125 S Silliman 25x120. Gustave H and Theresa S Johnson; Milton H and Eunice E Johnson to whom it may concern. Nov. 10, 1931
Nov. 12, 1931—E HARVARD 150 S Silliman. Arthur and Jennie Johnson to whom it may concern. Nov. 10, 1931
Nov. 12, 1931—S GROVE 206-242 W Polk W 34-1 1/4 S 85-7 1/2 SE 36.10 N 102. John and Mary A McConaghy to Wm A Rainey & Son, Inc. Nov. 10, 1931
Nov. 13, 1931—E TWENTY-EIGHTH AVE 125 S Rivera S 25xE 120. Donald S Kavanagh to whom it may concern. Nov. 9, 1931
Nov. 12, 1931—W FOURTEENTH AVE 150 S Taraval. A Cummings to A Halgren. Nov. 5, 1931
Nov. 13, 1931—W FORTY-SEVENTH AVE 180 S Balboa S 30xW 120 OL 334. A L Hansen to whom it may concern. Nov. 7, 1931
Nov. 10, 1931—W CHENERY 425 S 30th St. G A and S G Karabines to Frank Amatore. Nov. 10, 1931
Nov. 10, 1931—LOT 47 BLK K, Mission St. Land Co., Clark and Gladys Hill to whom it may concern. Nov. 5, 1931
Nov. 10, 1931—N ULLOA 30 E 14th AVE E 30 x N 100 @ L 1184. Marie Raymond to A Lindgren Nov. 4, 1931
Nov. 10, 1931—W THIRTY-FIFTH AVE 190 N Cabrillo. Wm Murphy to L Corbelle. Nov. —, 1931

Nov. 13, 1931—SW 26th AVENUE and Parkside 38-0x50. L C Gillette to whom it may concern. Nov. 6, 1931
Nov. 16, 1931—S RIPLEY 595-9 W Alhambra W 25x35 S 10 E 10x10. F Correale to Frank Ostrowald. Nov. 13, 1931
Nov. 16, 1931—N SHIELDS 75 E Victoria 25x100. W A Savage to whom it may concern. Nov. 16, 1931
Nov. 16, 1931—W FUNSTON AVE 100 S Santiago S 30-10xW 120 O L 115. C and F Gellert to whom it may concern. Nov. 16, 1931
Nov. 16, 1931—NO. 877 TREAT AVE L M McLeary and Phillips to W Egert. Nov. 13, 1931
Nov. 14, 1931—LOT 21A BLK 3264 Map Blks 3260 to 3269 Balboa Terrace Addition. A J and M A Herzog to whom it may concern. Nov. 14, 1931
Nov. 13, 1931—S CAYUGA AVE 75 W Rotteck W 25x30 or L being Lot 237, Spring Valley H D. J H Ellis to whom it may concern. Nov. 13, 1931
Nov. 13, 1931—E GIRARD 125 S Wayland 25x120. Richard DeLucchi to whom it may concern. Nov. 13, 1931
Nov. 13, 1931—LOT 3 BLK 4353 Assessor's Map W 1/4 Minnesota from pt 125 N from N Marin to pt 200 N from N Marin. E Williams Jr to H Gorman. Oct. 30, 1931
Nov. 13, 1931—N SUTHER HEIGHTS AVE 100 W 47th AVE W 50 N 101-6 E 30 S 7-6 E 20 S 91 to L 320. Jess Horn to whom it may concern. Nov. 13, 1931
Nov. 13, 1931—E 19th AVE S Taraval St, 2446 19th Avenue. Albert Bernhardt to whom it may concern. November 12, 1931
Nov. 13, 1931—E 22nd AVE 100 S Taraval S 25 x E 120 OL 1176. C Ingerman to whom it may concern. November 13, 1931
Nov. 13, 1931—NW BRODERICK and Beach N 55 x W 82-6 W A 558. Chas F Christian to whom it may concern. November 6, 1931
Nov. 13, 1931—W 22nd AVE 150 S Moraga S 25 x 120. J and S Carlson to whom it may concern. November 12, 1931
Nov. 13, 1931—W CAYUGA AVE 145-826 SW Santa Rosa AVE 25 x 125-673 m or 1 NW Cayuga AVE 170-826 SW Santa Rosa AVE 25x 109 m or 1. A A and J E Wesendunk to whom it may concern. November 12, 1931
Nov. 17, 1931—N BUSH 137-6 E Divisadero E 137-6 x N 137-6 W A 459. West Side Christian Church, Inc to Jacks & Irvine, Inc. November 12, 1931
Nov. 17, 1931—W THIRD AVE bet Clement and Geary Sts, 25x100. E and I Appelblom to Roy Grantz. November 17, 1931
Nov. 17, 1931—W WEBSTER ST bet Fulton and Grove Sts, 741 Webster St. J McKenna to whom it may concern. November 17, 1931
Nov. 17, 1931—176 DUNCAN Street. D Leonard to J Duerner. November 16, 1931
Nov. 17, 1931—SPEAR ST bet Folsom and Harrison Sts. Southern Pacific Co to J Bender Roofing and Paving Co. November 7, 1931
Nov. 17, 1931—N GREENWICH ST 150 E Divisadero 21-3x24. V Romeo to J Michael and Christian Bommer. November 14, 1931

LIENS FILED

San Francisco County

Recorded.....Amount

Nov. 13, 1931—NW RETIRO WAY at pt dist SW 255.247 form W Fillmore SW 25 N 55° 50' 14" W 92 N 10° 50' 14" W 35.355 to Inter of

line drawn N 55° 50' 14" W from pt of beg SE 117 to beg pt Marina Gardens. W E Trousdale vs P Frugoni\$75

Nov. 12, 1931—W TWENTY-FIFTH Ave 25 N Kirkham N 25xW 82-6. J M Plesoni vs Geo Dilling and W G Zupar\$160

Nov. 12, 1931—W TWENTY-FIFTH Ave 25 N Kirkham N 25xW 82-6. Atlas Elec & Eng Corp vs Geo Dilling and Wm Zupar\$98.25

Nov. 10, 1931 SW HUSSEY'S 150 NW Olmstead NW 25xSW 120. J A Hart Mill & Lumber Co vs F Rosener; W K Rosener; J J Mullin Mission Bldg & Loan Assn and K W Oertel\$332

Nov. 14, 1931—SE TURK & LYON S 75xN 137-6 W A 390. Square Deal Floor Co vs N and E Golden\$93

Nov. 14, 1931—SW FORTY-THIRD Ave and Clement St., No. 401 43rd Ave. Robert Emery vs Mrs. E Freed and Columbia Bldg & Loan Assn\$178.50

NW Howard 195-31 NE 14-1 or 1 to line drawn pt on NW Howard midway bet NE line of 12th and SW Lafayette to pt on SE Mission midway bet NE 12th extended and SW Lafayette; SE alg said line to inter with NW Natoma NE 32-11% th defltg 90 deg 55 min 50 sec to left an drunning NW 75 th defltg 89 deg 3 min 3 sec to left and running NW 10-4 or 1 NW 75 m or 1 to SE Minna SW 25 NW to SE Mission SW 20-73 m or 1 to pt of inter with E Van Ness Ave S 203-53 SE 209-07 m or 1 to beg. William R Cook vs Ocean Shore Railroad Co and Celcrete Co, Ltd\$50

RELEASE OF LIENS

San Francisco County

Recorded	Amount
Nov. 13, 1931—S 21st Ave 152-8 W Church W 25 x S 114. E Schaad admrstr Est R M Schaad deed to Carmela and Alessandro De Masi .....\$2,777.80	
Nov. 12, 1931—S TWENTY-FIRST 152-8 W Church W 25xS 114. Walter H Zillmer, Christensen Lumber Co W P Fuller & Co, C E Reinhart Co, Bay Concrete Co, George Tusch and Henry Cowell Lime & Cement Co to Alexander De Masi and Russell M Schaad .....\$25	
Nov. 12, 1931—2268 or 241 E Weiss Place 100 N 16th 60x30. Geo McHugh to T F Denman.....	

BUILDING PERMITS

Alameda County

No. Owner	Contractor	Amt.
1592 Smith	Fisher	3500
1593 Griffiths	Owner	3000
1594 Foote	Appelle	1000
1595 Tofanelli	Fleming	3950
1596 Smillie	Fleming	3950
1597 Larmer	Owner	7700
1599 Immanuel	Roth	5000
1600 Grey	Lindgren	14500
1601 Martoratti	Windsor	5000
1602 Merchants	Wierk	2200
1603 Grunewald	Owner	4000
1604 Davison	Fleming	3950
1605 Turner	Netherby	4000

DWELLING
(1592) W VIRDEN AVE, 200 S Victor Ave., OAKLAND; two-story 6-room dwelling.
Owner—L. F. Smith, 2911 Abbey St., Oakland.
Architect—Not Given.
Contractor—Jas. G. Fisher, 3670 Lily St., Oakland. \$3500

DWELLING
(1593) 5332 WALNUT AVE., OAK. LAND; one-story 5-room dwelling.
Owner and Builder—Thos. Griffiths, 4601 Walnut Ave., Oakland.
Architect—Not Given. \$3000

ALTERATIONS
(1594) NO. 2607 SHASTA ROAD, BERKELEY. Alterations.
Owner—T. S. Foote.
Architect—W. C. Perry.
Contractor—F. Appelle, 2402 Acton St., Berkeley. \$1000

DWELLING
(1595) 555 AILEEN ST., OAKLAND; one-story 6-room dwelling.
Owner—J. Tofanelli.
Architect—Not Given.
Contractor—Andrew Fleming, 4285 Monterey Blvd., Oakland. \$3950

DWELLING
(1596) 5617 SCOVILLE ST., OAK. LAND; one-story 6-room dwelling.
Owner—Thos. Smillie, 2466 E 20th St., Oakland.
Architect—Not Given.
Contractor—John Fleming, 3539 Jordan Road, Oakland. \$3950

DWELLINGS
(1597) 5668-72 CARBERRY STREET, OAKLAND; two 1-story five-room dwellings.
Owner and Builder—Edward Larmer, 90 Fairview Ave., Oakland.
Architect—Not Given. \$3850 ea.

DWELLING
(1599) NO. 1906 SANTA CLARA Ave., ALAMEDA. One-story six-room frame and stucco dwelling.
Owner—Immanuel Lutheran Congregation Church, 1906 Santa Clara Ave., Alameda.
Plans by Owner.
Contractor—Conrad Roth, 2101 Central Ave., Alameda. \$5,000

STORE BLDG.
(1600) 3278 LAKESHORE AVENUE, OAKLAND; two-story brick store building.
Owner—W. H. Grey, 1723 Webster St., Oakland.
Architect—Miller and Warnecke, Financial Center Bldg., Oakland.
Contractor—Lindgren and Swinerton, 1723 Webster St., Oakland. \$14,500

DWELLING
(1601) NO. 5526 EDITH ST., OAK. LAND. Two-story 6-room dwelling.
Owner—John Martoratti, 4208 Piedmont Ave., Oakland.
Architect—E. L. Snyder, 2001 Addison St., Berkeley.
Contractor—Geo. Windsor, 928 Kings-ton Ave., Oakland. \$5000

GARAGE
(1602) NW B AND SHOREY STS., OAKLAND. One-story concrete garage and one-story office building.
Owner—Merchants Express & Dray Co., 1640 18th St., Oakland.
Architect—G. E. Ellinger, 1723 Webster St., Oakland.
Contractor—Nick Wierk, 1560 Alice St., Oakland. \$22,500

DWELLING
(1603) NO. 548 FIFTY-SEVENTH ST., OAKLAND. One-story five-room dwelling.
Owner—F. Gruenwald, 14 Roslyn Crt., Oakland.
Architect—Not Given. \$4000

DWELLING
(1604) NO. 3001 WISCONSIN ST., OAKLAND. One-story 6-room dwelling.

Owner—R. F. Davison, 2825 Montana St., Oakland.
Architect—No. Given.
Contractor—John Fleming, 3539 Jordan Road, Oakland. \$3950

DWELLING
(1605) NO. 1435 MOUNTAIN BLVD., OAKLAND. One-story five-room dwelling.
Owner—B. N. Turner.
Architect—Not Given.
Contractor—W. A. Netherby, 3853 Lyman Road, Oakland. \$4000

BUILDING CONTRACTS

Alameda County

164 Gray	Lindgren	14503
167 Faculty	Trannal	4943
168 Faculty	Trannal	4782
165 Gray	Appelle	6000
166 Zoph	Holyoake	12459

STORE BLDG.
(164) LOT 45 BLOCK 424, Lakeshore Park Heights, Oakland. All work for two-story brick store and loft building.
Owner—Dr. W. H. Gray, San Jose.
Architect—Miller and Warnecke, Financial Center Bldg., Oakland.
Contractor—Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.
Filed Nov. 12, '31. Dated Nov. 4, '31.
Walls up to 2nd floor ceiling line ¼
When plastered ¼
Usual 35 days ¼
TOTAL COST, \$14,503
Bond, \$14,503. Surety, Pacific Indemnity Co. Limit 90 days. Forfeit, none.
Plans and specifications filed.

DWELLING
(165) EUCLID AVE AT ROSE WALK, Berkeley. All work for two-story frame dwelling.
Owner—B. Frank Gray 2518, Rose Walk, Berkeley.
Architect—Henry H. Gutterston, 526 Powell St., San Francisco.
Contractor—Frank G. Appelle, 2405 Acton St., Berkeley.
Filed Nov. 13, '31. Dated Nov. 2, '31.
Frame up\$1000
Brown coated 1000
When completed 1000
Usual 35 days 3000
TOTAL COST, \$6000
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

DWELLING
(166) LOTS 34 AND 35 BLK 11, North Cragmont, Berkeley. All work for two-story and attic frame dwelling and garage.
Owner—N. M. Zoph, 1870 Capistrano Ave., Oakland.
Architect—W. R. Yelland, Financial Center Bldg., Oakland.
Contractor—Arthur Holyoake, East Ave., Hayward.
Filed Nov. 13, '31. Dated Oct. 30, '31.
Frame up\$314.75
1st coat plaster on 314.75
When completed 314.75
Usual 35 days 314.75
TOTAL COST, \$12,459.00
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

GARAGES
(167) CAMPUS of the University of California, Berkeley; general construction of garages.
Owner—The Faculty Club of the University of California, Berkeley.
Architect—Warren Chas. Perry, 260 California St., San Francisco.
Contractor—E. Trannal, 483 Crescent St., Oakland.

Filed, Nov. 14, '31. Dated Nov. 12, '31.
When structural concrete is placed%
When completed%
Usual 35 days%
TOTAL COST, \$4943
Bond: Performance, \$2472.50; Labor & Material, \$2471.50. Sureties, Standard Accident Ins. Co. Plans and Spec. filed.

GARAGES

(168) CAMPUS of the University of California, Berkeley; general construction of garages.

Owner—The Building Committee of the Women's Faculty Club, Inc., Berkeley.

Architect—Warren Chas. Perry, 260 California St., San Francisco.
Contractor—J. T. Trannal, 483 Crescent St., Oakland.

Filed, Nov. 14, '31. Dated Nov. 12, '31.
When structural concrete is placed%
When completed%
Usual 35 days%
TOTAL COST, \$4782

Bond: Performance, \$2391; Labor and Materials, \$2391. Sureties, Standard Accident Ins. Co. Plans and Specifications filed.

COMPLETION NOTICES

Alameda County

Recorded Accepted

Nov. 14, 1931—2515 BUENA VISTA, Berkeley. George Windsor to Self

November 13, 1931

Nov. 13, 1931—NE TENTH & Campbell Sts., Oakland. The Roman Catholic Archbishop of San Francisco to Charles H. McCullough

October 31, 1931

Nov. 13, 1931—47 OAKMONT AVE., Piedmont. George H. Drysdale to whom it may concern. Nov. 12, 1931

Nov. 12, 1931—NO. 2458 DELMER St., Oakland. Fred T. Dooley to whom it may concern. Nov. 10, 1931

Nov. 12, 1931—NO. 2680 DELMER St., Oakland. Fred T. Dooley to whom it may concern. Nov. 10, 1931

Nov. 12, 1931—LOT 14 BLK D, Eastudillo Estates, San Leandro. Harold W. Nylander to whom it may concern. Nov. 10, 1931

Nov. 12, 1931—LOT 17 BLK 1, Solano Ave. Terrace, Berkeley. J. H. Wittlich to Fox Bros. Nov. 5, 1931

Nov. 10, 1931—NE 40 FT. LOT 44, Clover Gardens, Oakland. George Duncan to whom it may concern

Nov. 7, 1931

Nov. 10, 1931—LOT 9, Grand Oak Tract, Alameda. Walter H. Andersen to whom it may concern. Nov. 9, 1931

Nov. 3, 1931—PTN LOTS 29 AND 31 Blk 16, Map No. 4, Regents Park, Albany. D. M. Eyre to whom it may concern. Nov. 7, 1931

Nov. 17, 1931—NO. 963 HILLDALE Ave., Berkeley. Hazel D. Woodburn to whom it may concern. Nov. 17, 1931

Nov. 17, 1931—LOT 8, Fernwood, Oakland. Wm. L. and Adeline F. Mason to Harold K. Sylvester. Nov. 16, 1931

Nov. 17, 1931—NO. 2306 HAVENSCOURT Blvd., Oakland. F. W. Conlogue to whom it may concern. Nov. 11, 1931

Nov. 17, 1931—SE 140 RT LOT 7 BLK 1041-A, Diamond Tract, Oakland. Elfreda T. Cumbers to Carl Glorud

November 1, 1931

Nov. 14, 1931—979 PEARL St., Alameda. Hannah and L. G. Annett to N. F. Justice. November 5, 1931

Nov. 16, 1931—PTN LOTS 19 and 20, Hillside Terrace, Oakland. Geo. Holdorf to whom it may concern. November 13, 1931

Nov. 16, 1931—SW LYON AVE 118-60 ft NW of High St., Oakland. F. A. Holston to L. M. Harnussen

October 15, 1931

Nov. 16, 1931—PTN LOT 9 BLK G, Waterside Terrace, Alameda. Anthony M. and Margaret D. Sylva to whom it may concern

November 10, 1931

Nov. 16, 1931—E 46 FT LOT 8 BLK 13, Broadmoor, San Leandro. H. E. Johnson to Self. November 14, 1931

Nov. 16, 1931—760 CRAGMONT AVE., Berkeley. Sarah B. and Leonard L. Richards to David Nordstrom

November 12, 1931

Nov. 14, 1931—LOT 31 BLK H, Toler Heights, Oakland. Karl D. and Irene M. Jackson to whom it may concern. November 12, 1931

Nov. 14, 1931—S. WISCONSIN ST 38-87 ft E of Maple Ave., Oakland. John Fleming to Self. Nov. 14, 1931

Nov. 14, 1931—LOT 20 and ptn Lots 14, 15 and 19, Boston Tract, Oakland. Perle D. Froehlich to F. A. Kurtz. November 13, 1931

Nov. 14, 1931—PTN LOT 256, Merriewood, Oakland. G. C. and F. E. Warn to whom it may concern. November 14, 1931

Nov. 14, 1931—PTN LOT 2 BLK 4, Arlington Villa Sites, Berkeley. Howard O. and Zoe J. Fisher to R. Beadell and Geo. J. Lane. November 12, 1931

Nov. 14, 1931—1340 GLENFIELD AVE., Oakland. Henry A. Pleitner to Wm. Watson. November 12, 1931

Nov. 14, 1931—LOT 18 BLK J, Moss Tract, Oakland. Charles W. Griffith to whom it may concern. November 12, 1931

LIENS FILED

Alameda County

Recorded Amount

Nov. 16, 1931—PTN LOTS 4 and 22 Blk 6, Shattuck Tract Map No. 2, Berkeley. Henry I. Beller Const Co, Ltd vs United Artists Theatres of Calif., Ltd., United Artists Theatre Circuit, Inc. \$3,294

Nov. 16, 1931—LOT 10 BLK F, Durant Manor, Oakland. Garrett Mill & Lumber Co vs Dudley H. Beeson and C. E. Davidson. \$44

Nov. 16, 1931—LOT 78 ARMORE TCT San Leandro. Garrett Mill & Lbr Co vs M. Dezaney and C. E. Davidson. \$55

Nov. 16, 1931—LOT 25 PTN LOT 10, Derby Tract, Oakland. J. H. Fitzmaurice vs Jessie J. McCracken. \$55

Nov. 14, 1931—1375 SIXTH STREET, Berkeley. Thomas Rigging Co vs Payne Mfg Co. \$89

Nov. 13, 1931—SW CASTRO ST 158-44 ft NW of the SE line of a ctn 5-74 acre tract of land deeded in deed from Atherton to White recorded in Liber of Deeds page 188, Hayward. Frank Lennert vs John and Mary L. Gomes, A. F. Hanson. \$160

Nov. 12, 1931—LOTS 23 and 24, North Piedmont Heights, Oakland. Birge Drayage Co, Ltd vs Sisters of the

Sacred Names of Jesus and Mary, Andrew Pelles. \$39

Nov. 13, 1931—LOT 9 BLK 102, Baymont Tract, Henry Cowell Lime & Cement Co vs Joe MacCagno and G. Spitta. \$1,153

Nov. 12, 1931—LOT 9 BLK 123, Raymond Tract, Berkeley. Arvid Nelson vs Joe MacCagno. \$154.25

Nov. 12, 1931—LOT 9 BLK 123, Raymond Tract, Berkeley. L. A. Bryant vs Joe MacCagno. \$12.45

Nov. 12, 1931—SW LAKE & MADISON Ets., Oakland. Carl T. Doell Co vs United Finance Corp and Victor H. Caruso. \$62.17

Nov. 12, 1931—NE EIGHTH AVE & E-15th St., Oakland. Fred Pierce vs C. M. and Clara M. Gies. \$100

RELEASE OF LIENS

Alameda County

Recorded Amount

Nov. 14, 1931—S. FRANCISCO ST 440 ft W of California St., Berkeley. Burr & Sons to Harvey Edwards York. \$295

BUILDING PERMITS

SAN MATEO

RESIDENCE, \$6000; Lot 6 Sub. of Lots 14 and 15, Hillsboro Ave. and Edgewood Rd., San Mateo; owner and contractor, Gordon C. Hess, 1406 Burlingame Ave., Burlingame

DWELLING, \$3000; Lot 11 Blk 44, N. Grant St., San Mateo; owner and contractor, Antone S. Miguel 7 N. Grant St., San Mateo.

BUILDING PERMITS

SAN JOSE

BUSINESS building, concrete, \$7500; SE Julian and San Pedro Sts., San Jose; owner, J. S. Hasen, 2131 The Alameda, San Jose; architect, Wolfe & Higgins, 19 N. Second St., San Jose; contractor, Wm. Caldwell, 1241 Hedding St., San Jose.

RESIDENCE, frame, 5-room, \$3750; Emory St. near Park, San Jose; owner and contractor, Wm. H. O'Neil, 1535 Emory St., San Jose.

GARAGE, Type III, 4-car, \$1000; No. 55 S-Sixth St., San Jose; owner, Saroni Apartments, Premises; contractor, A. F. Bell, 146 N. Ninth St., San Jose.

RESIDENCE, 5-room, frame, \$1500; Regent St. near Hamline, San Jose; owner, Mrs. O. Goldworthy, 925 Regent St., San Jose; contractor, P. G. Schmidt, Sunnyvale.

PEDESTRIAN subway, \$5945; E Santa Clara at Sixth St., San Jose; owner, City of San Jose; architect, Office Engineers; contractor, John D. Carlson, 1331 Sierra St., San Jose.

COURT House, Type 1, \$165,000; N. First St., San Jose; owner, County of Santa Clara; architect Binder & Curtis, 35 W-San Carlos St., San

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San Francisco

Jose, contractor, W. J. Ochs, Am. Trust Bldg., San Jose.
RESIDENCE, frame, 6-room and garage, \$3750; 31st St. near St. John St., San Jose; owner and contractor, V. Sunzerl, 178 N-31st St., San Jose.
RESIDENCE, frame, 6-room, \$5000; 1st St. near Park, San Jose; owner and contractor, Gibson Wheeler Co., Bean's Bldg., San Jose.

BUILDING PERMITS

REDWOOD CITY

DWELLING, 6-room, bath and garage, \$3000; 366 Iris St.; owner, E. Strandquist, 229 Iris St.
DWELLING, frame, 5-room, bath and garage, \$4000; 1455 May St.; owner, K. McLeod, 1671 Sanchez St., Burlingame.
DWELLING, frame, 4 rooms and bath \$2000; 1535 Union Ave.; owner, J. Kwoka; contractor, G. Nordstrom, Crystal Springs, Milbrae.

BUILDING PERMITS

PALO ALTO

ADD to residence, \$1500; No. 2120 Cowper St., Palo Alto; owner, Floyd Cowan, 1030 Parkinson Ave., Palo Alto; contractor, W. H. Gibson, 1475 Hamilton Ave., Palo Alto.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded	Accepted
Nov. 12, 1931—LOT 1, Mino Tract, Pine Vista in the Rancho Rinconada de Los Gatos. Mrs. Mattie Rowles to Carl Lindholm & Sons.	Nov. 2, 1931
Nov. 12, 1931—SE 41 ft. LOT 9 and NW 44 ft. Lot 3 Blk 72, Seale Tract No. 2; Subd of Blk 1 of Subd No. 4 Seale Tract, Palo Alto. Cleveland Smith to Cleveland Smith.	Nov. 10, 1931
Nov. 13, 1931—SE EMORY ST 120 ft SW Myrtle St SW on Emory 80 ft right angle SE 800 ft right angle NE 80 ft right angle NW 200 and prb. pt. lot 3 blk 2, University Grounds A Maps 81, San Jose. Louis Chabre to W M Caldwell.	November 4, 1931
Nov. 7, 1931—LOT 35, Norvaez Rancho Willow Glen Orchard Tract. Charles W Lannin to Chas W Lannin.	Nov. 6, 1931
Nov. 9, 1931—Lot 3 Blk 47, Map No. 2, Seale Addition, Palo Alto. Marcus Stedman to Marcus Stedman.	Nov. 7, 1931
Nov. 9, 1931—LOTS 16 AND 17 BLK B. Southgate, Subd of Blk J, Palo Alto. Florence M Wobber to J G Causey.	Nov. 5, 1931
Nov. 10, 1931—LOT 10 BLK L, Subd Blk J, Palo Alto. Dora Miles; Ronald Jervis and Amy Jervis to whom it may concern.	Nov. 1, 1931
Nov. 10, 1931—LOTS 18 & 19 BLK 48, College Terrace, Palo Alto. John F Dahl to whom it may concern.	Nov. 7, 1931
Nov. 10, 1931—LOT 39, Santana Subd Part Los Coches Rancho. C W and Calla Williams to Rollie Williams.	Nov. 7, 1931

LIENS FILED

SANTA CLARA COUNTY

Recorded
Nov. 13, 1931—816 N FIRST Street, known as lots 28 and 29 blk 16, Vendome Park Tract, San Jose.

Fred Hayden vs Fehren & Lenn, by F L Fehren.
Nov. 13, 1931—PTN LOT 2 BLOCK 75 Original map showing subd of University Park now Palo Alto 2-27-89 D of maps page 69 and more particularly see as follows: NW Lincoln Ave 150 ft NE Corner St rung th NE on Lincoln Ave 75 ft right angles NWly parl Cowper St 200 ft right angles SWly parl Lincoln Ave 75 ft right angles SEly and parl with Cowper St 200 ft to the NWly line of Lincoln Ave and p o b, Palo Alto. Merner Lumber Co vs Ernest W Martin, also known as E Whitney Martin and Abbie F Martin and wife. \$587.25

Nov. 13, 1931—PARCEL ONE: Beg at a 1x3-in redwood marker set in the Ely line of San Antonio Road distant S 25 deg 51 min W 392.04 and S 0 deg 15 min W 214-93 from the NW corner of Lot 6 of University Place; rung th alg said Ely line of San Antonio Road S 0 deg 15 min W 37 1/2 th S 59 deg 45 min E 120 to the Wly line of a 20 foot alley; th alg said line of said alley N 0 deg 15 min E 37 1/2 th N 89 deg 45 min W 120 to the place of beginning; being a part of Lot 6 University Place E of Maps pg 149. Parcel Two: Beg at a pt in the Ely line of San Antonio Road distant thereon S 25 deg 51 min W 392.04 and S 0 deg 15 min W 224-93 from the NW corner of Lot 6 of University Place hereinafter referred to; and rung th alg the Ely line of San Antonio Road S 0 deg 15 min W 25 th S 89 deg 45 min E 120 to a pt in the Wly line of a 20 ft alley; th alg said line of said alley N 0 deg 15 min E 25 th N 89 deg 45 min W 120 to the place of beginning, being a part of Lot 6, University Grounds E of maps page 149. Merner Lumber Co vs L R Brother. \$652.88

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded	Amount
Nov. 7, 1931—LOT 9 BLK 62, Seale Addition No. 2, Palo Alto. D & S Lumber Co vs C B Van Epps. \$821.42	
Nov. 10, 1931 — LOT 2 BLK 5 S Range 3 East, Town of Santa Clara. Central Supply Co to Natalie Sibona.	\$610.33
Nov. 10, 1931—BEING SUBD No. 2 and parts Subd 1 and 24 Blk 4, Palo Alto. Merner Lumber Co, \$60.99; Urban Bros, \$12.50 to Katherine Brails	
Nov. 10, 1931—NE JUNCTION Umbarger and Monterey Road, 6.56ac. Henry Cowell Lime & Cement Co to David and Dolores Holt (marginal release of lien)	\$183.39

BUILDING CONTRACTS

MARIN COUNTY

BUILDING
FAIRFAX. All work for two-story and basement brick building.
Owner — A. Simonini and G. Giorgi.
Architect — N. W. Sexton. deYoung Bldg., San Francisco.
Contractor—Ralph C. Carr, 16 Porteous Ave., Fairfax.
Filed Nov. 5, '31. Dated Oct. 21, '31.
Work 1/2 completed \$1000
Entirely completed 1200
Completed and accepted 1000
In accordance with promissory note \$00

TOTAL COST, \$4000
Bond, \$4000. Surety, The Century Insurance Co. Limit 60 days. Forfeit, none. Specifications only filed.

COMPLETION NOTICES

MARIN COUNTY

Recorded	Accepted
Nov. 9, 1931—SAN ANSELMO. Albert Siemer to whom it may concern	Nov. 6, 1931
Nov. 13, 1931—SAN RAFAEL. I L Schwartz to M H Vanderbilt.	Nov. 13, 1931
Nov. 16, 1931—MARIN HALF ACRE Homes, near Sausalito. D Bacci to Manuel Foster.	Nov. 16, 1931

RELEASE OF LIENS

MARIN COUNTY

Recorded	Amount
Nov. 5, 1931—FAIRFAX. San Anselmo Lumber Co; Leonard Yeakery; Tamalpais Elec Co; Camrgros Gravel Co and Liebert & Trobeck to A Simonini and G Giorgi.	

BUILDING CONTRACTS

MONTEREY COUNTY

RESIDENCE
CARMEL. All work for two-story Monterey type residence and two-car garage.
Owner—Mr. and Mrs. Louis C. Ralston, Lopez and 4th Sts., Carmel.
Architect—Guy Koepf, Carmel Woods.
Contractor—Miles Bain, Ocean and Dolores Sts., Carmel.
Filed Nov. 9, '31. Dated Nov. 2, '31. On or about 1st of each month 75% Usual 35 days.
TOTAL COST, \$337
Bond, none. Limit, 90 working days. Specifications only filed.

COMPLETION NOTICES

MONTEREY COUNTY

Recorded	Accepted
Nov. 7, 1931—LOTS 11, 13 AND 15 Blk W Addition No. 1, Carmel-by-the-Sea. Alice S Baird to Ernest S Bixler.	Oct. 22, 1931
Nov. 10, 1931—LOT 14, Sunset Addition, Monterey. J S and Sarah R Boyd to whom it may concern	Nov. 3, 1931
Nov. 13, 1931—LOTS 5 AND 6 BLK 244 Beach Tract of Pacific Grove. Royal Eugene Heiserman to Wm P Sweeney	October 19, 1931
Nov. 14, 1931—LOT 4 BLK 13, Map of Monterey Heights, Monterey. Thomas Graxiola, Jr. and Ida Graxiola to Monterey Bldg & Supply Co.	Nov. 7, 1931
Nov. 16, 1931—COR WEST ALISAL, Cayuga and Howard Sts, facing on West Alisal, Salinas. Monterey County to Wm C Keating.	November 13, 1931
Nov. 16, 1931—LOT 2 BLK 21, Map of Monte Regio No. 1. Fred H Moore to Monterey Bldg & Supply Co.	November 7, 1931
Nov. 16, 1931—W 66 1/2 LOT 10, N 20 ft. of W 66 1/2 ft. of Lot 11 Blk 88, Map Addition No. 5, Carmel-by-the-Sea. Catherine S Wright to George Whitcomb.	Oct. 31, 1931
Nov. 17, 1931—LOT 1 BLK 6, Maple Park Addition. R D and Jessie S Case to Bruce E Baird.	November 16, 1931
Nov. 17, 1931—LOT 19 BLK 2, Spazier Subdivision, Monterey. Jane C Todd to whom it may concern.	November 10, 1931

LIENS FILED

MONTEREY COUNTY

Recorded Amount
Nov. 9, 1931--LOT 19 and W 50 ft.
Lot 21, W 10 ft. Lot 20, Blk 12,
Pacific Grove Retreat. Charles L.
Frost vs Geo B Sanders and wife.

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded Accepted
Nov. 10, 1931--LOT 9 BLK B, Unit
No. 1, Oak Springs. David C Jones
to O E Ringeltaube. Nov. 9, 1931
Nov 12, 1931--LOTS 27 and 28, Dew-
ling Park, Saranap. John R and
Anna C Serpa to T A Osborne.
November 5, 1931

LIENS FILED

CONTRA COSTA COUNTY

Recorded Amount
Nov. 10, 1931 -- LOT 9 BLK 4,
Amended Map of Maltby's Second
Addition to Concord. P V Cacavio
vs Hugo Carlson. \$202.20
Oct. 24, 1931--LOT 31 and Portions
Lots 18, 19, 29 and 30 Section 24;
portions Lots 2, 3 and 4, Section
25, Martinez. W D Henderson vs
Ford Motor Co and Frederick W
Snook (doing business as F W
Snook & Co.) \$3408.39
Nov 12, 1931--LOT 9 BLK 4, Amend-
ed Maltby's Second Addn to Con-
cord. The Diamond Match Co vs
Hugo Carlson. \$20.70
Nov. 13, 1931 -- LOT 9 BLK 4,
Amended Map of Maltby's Second
Addition to Concord. E K Wood
Lumber Co vs Hugo Carlson. \$11.33
Nov. 13, 1931--LOT 6 AND PTN
Lot 5 Blk 1, Martinez Land Com-
pany Tract No. 1, Martinez. F P
Brady vs Louis and Joe Colombo
\$276.12

RELEASE OF LIENS

CONTRA COSTA COUNTY

Recorded Amount
Nov. 9, 1931--PTN OF SW 1/4 of
Section 26, 2N 2E, containing 30
acres. Sterling Lumber Co to H
A Fish and John Doe Glynn.
Nov. 10, 1931--PTN LOTS 8 AND 9,
San Pablo Rancho. John Carrick
to Henry Molino. \$469.60

BUILDING PERMITS

STOCKTON

DWELLING, brick veneer, 5-room and
garage, \$3850; No. 1305 W-Flora
St., Stockton; owner, Francis N.
Strahorn, Premises.
DWELLING and garage, 5-room brick
veneer, \$1209; 654 W Walnut St.,
Stockton; owner, J. M. Hicker-
brand, 1241 E Main St., Stockton.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Amount
Nov. 17, 1931--LOT 22 BLK 1, Lake-
view. Neill Johnson to whom it
may concern. Nov. 17, 1931
Oct. 14, 1931--LOTS 1, 3, 5 and 13
Blk 17, South of Mormon Chan-
nel, Stockton. Stockton Ice & Fuel
Co to T E Williamson. Nov. 14, 1931
Nov 13, 1931--LOT 4 BLK 16, Stock-
ton. Bertha A Remington (fmy
Bertha A Parker) to Thaddeus E
Williamson. November 13, 1931

COMPLETION NOTICES

SONOMA COUNTY

Recorded Accepted
Nov 12, 1931--LOT 7 and part of lot
8, block 7, McDonald's Addn to
Santa Rosa. M F Nelligan to
whom it may concern. Nov 10, 1931
Nov 12, 1931--LOT 7 and part of lot
8, block 7, McDonald's Addn to
Santa Rosa. M F Nelligan to
whom it may concern. Nov 10, 1931

LIENS FILED

SONOMA COUNTY

Recorded Amount
Nov 12, 1931--LOT 17 BLK H, Del
Rio Woods Tract. Healdsburg
Lumber Co vs Del Rio Woods
Properties, Inc, Thos F Scoble, E
Y Dozier, M Trusting, John Doe,
Doe, et al. \$277.25
Nov 12, 1931--LOT 17 BLK H, Del
Rio Woods Tract. Healdsburg
Lumber Co vs Del Rio Properties,
Inc, Thos F Scoble, E Y Dozier,
M Trusting, John Doe, et al. \$277.25
Nov 12, 1931--LOT 15 BLK H Del
Rio Woods Tract, Healdsburg Libr
Co vs Del Rio Properties, Inc,
Thos F Scoble, E Y Dozier, Esther
H Brown, John Doe, et al. \$281
Nov 12, 1931--LOT 15 BLK G, Del
Rio Woods Tract, Healdsburg Libr
Co vs Del Rio Properties, Inc,
Thos F Scoble, C W Piel, John
Doe, et al. \$173.50

BUILDING PERMITS

SACRAMENTO

DWELLING, 4-room & garage, \$1500;
No. 3908 U St., Sacramento; owner
and contractor, N. Bertolucci,
2104 28th St., Sacramento.
RESIDENCE and garage, 5-room, \$3,-
000; 1831 44th St.; owner, Peerless
Security Co.; contractor, Klein
Realty Co., 1009 9th St.
DWELLING, 8 rooms and garage,
\$7500; No. 3500 Brockway Court,
Sacramento; owner, P. A. Taylor,
1105 Dolores Way, Sacramento;
contractor, Hansen & Sutter.
DWELLING, 7-room & garage, \$6000;
No. 1854 9th Ave., Sacramento;
owner, Ed. Lee, 2314 27th St., Sac-
ramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Nov. 10, 1931--ISLETON, Southern
Pacific Co to whom it may con-
cern (asphalt concrete floor in
steamer shed). Nov. 4, 1931
Nov. 14, 1931--LOT 81, Mont Clair.
C J Nealis to whom it may con-
cern. Nov. 13, 1931
Nov 12, 1931--LOT 66 BLK 12 and
Maple Park. Isabell E Bolt to
whom it may concern. Nov. 10,
1931

LIENS FILED

Nov. 9, 1931--LOT 59 N 1/2 Lot 60
Carly Park, Sacramento. Carly
Investment Co to whom it may
concern. Oct. 26, 1931

SACRAMENTO COUNTY

Recorded Amount
Nov. 10, 1931--LOT 237 W & K Col-
lege Tract, Sacramento. Frank Z
Ahl vs W W and Corinne Bird. \$210.30

BUILDING PERMITS

FRESNO

DWELLING and garage, \$2850; 1901
College Ave., Fresno; owner, W.
C. Nixon, Tulare St.; contractor,
E. A. and Geo. F. Lehman.
DWELLING and garage, \$4000; 2745
Van Ness Blvd.; owner, L. M.
Barker, 2731 Van Ness Blvd.
STOCK, \$500; No. 1261 A 7th St.,
owner, J. Catino; contractor, Joe
Lo Forti.
ALTERATIONS and additions, \$2850;
Van Ness and Calaveras Ets.,
Fresno; owner, Goodyear Rubber
Co., Premises; contractor, J. T.
Cowan, 433 Rosevelt St., Fresno.
DWELLING and garage, \$3000; No.
1454 Del Mar Ave., Fresno; own-
er, W. H. Richmond, 1379 Adoline
St., Fresno.
ALTERATIONS and additions, \$2400;
H and Merced Sts., Fresno; owner,
Frank Short Jr., Premises; con-
tractor, J. T. Cowan, 433 Rose-
velt St., Fresno.

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Nov. 16, 1931--LOT 2 BLK 46, Sierra
Vista Addn No. 2, Fresno. Joe L
McCall to whom it may concern.
October 23, 1931
Nov. 9, 1931--LOT 1 BLK 1, Blvd
Gardens, Fresno. A R Klund to
whom it may concern. Nov. 8, 1931

A new type of what is claimed to be
a permanent non-skid road surface
has been laid on a street in the Kil-
burn district in London. It is reported
by the London bureau of Christian
Science Monitor. F. Morton of Leeds,
is the inventor. According to the
Monitor, "Mr. Morton found in the
course of his researches that two of
the softest road materials, pitch and
bitumen, if precipitated at different
temperatures and mixed, resulted in a
product which set as hard as granite
and which would not soften with even
tropical heat, or crack with arctic
cold. The road is laid in the form of
a carpet, the precipitate of bitumen
and pitch being mixed with granite
chippings. This is mixed in a heater
to temperature of 320 degrees Fahr-
enheit and then spread to a depth of
two inches at a temperature of 110 degrees.
It is then steam rolled and dusted with
granite dust, and within an hour of
being laid it is ready to carry heavy
traffic. It is claimed by the in-
ventor that from 350 to 500 square
yards can be laid by one machine in
a day."

Construction contracts awarded
during October in the thirty-seven
States east of the Rocky Mountains
amounted to \$22,094,200, a decrease of
28 per cent under October of last year,
F. W. Dodge Corp. reports. Non-
residential building led the three
major construction classes with \$99,-
095,400. The survey says that a more
wholesome tone in October's business
sentiment, although not yet felt in
the construction industry, is likely
to bear favorably on the future re-
vival of this industry.

Plans for municipal operation of
water, gas and power utilities are be-
ing studied by W. D. Clarke, city
manager of Bakersfield. The city coun-
cil has authorized employment of an
engineer to make a survey of the
local gas system with a view to seek-
ing reduced rates from the privately-
owned utility and of the advantage
of municipal ownership.

ENGINEERING SOCIETIES EMPLOYMENT SERVICE

Further information regarding positions listed in this column is obtainable from Newton D. Cook, Room 715, 57 Post Street, San Francisco. (Phone SUTTER 1584).

W-2975-C ENGINEER to take charge of engineering department in small plant manufacturing pumps. Must have had recent experience in design and production of modern centrifugal pumps and accessories, shop and drafting room supervision. Executive and creative ability, initiative and leadership essential. Apply only by letter. Location, Middle-west.

W-2999-S (K-332) TIME STUDY ENGINEERS. Must be expert analysts, thoroughly familiar with the different accepted incentive wage payment plans, have pleasing personalities and the faculties to put the work across. Should be at least 28 to 30 years old, and have had at least five years' practical experience, personally making time studies, analyzing them themselves and putting them across to a successful finish. Apply only by letter. Location, West Coast.

R-3671 YOUNG ENGINEER, preferably mechanical, to start in on the ground floor with a company holding patent rights on spray nozzle for solid injection Diesel engines. Work will be to design and adapt the unit to engines of different manufacturers as contracts are secured. Company is organized and considerable development work has been done. Will only consider applicants who can purchase stock after investigation. Location, San Francisco.

W-3254 - C SANITARY ENGINEER, young and progressive, thoroughly grounded in engineering fundamentals including hydraulics, capable of taking charge of the design of water and sewage plant including sewers and pumping stations. Must also be capable of taking charge of a drafting room and maintaining work discipline. Actual experience in the design of sewers, sewage treatment work, water plants, pumping stations and the like essential. Apply only by letter. Location, Middle-west.

R-3633-S SALESMAN, experienced, preferably with training in medicine to develop the sale of a new therapeutic lamp producing infra-red rays. Should be able to finance self. Commission only. Headquarters, San Francisco.

W-3009-C-S (K-377) ENGINEER with laboratory experience in formulating industrial finishes, baking jans and enamels of the bakelite and phthalic anhydride base enamels. Apply only by letter. Location, Middle-west.

W-3157 BACTERIOLOGICAL CHEMIST to do laboratory development work on the production of acetone, butyl-alcohol, citric acid and other chemicals for commercial research. Apply only by letter. Location, South America.

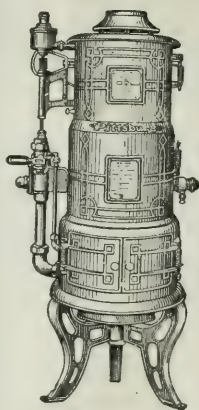
SAN FRANCISCO BUILDING PERMITS FOR OCTOBER, 1931, CLASSIFIED

	No. Bldgs.	Cost
New Residential		
One-family dwellings	157	\$630,750.00
Two-family dwellings	6	35,250.00
One and 2-family dwellings with shops	1	7,000.00
Multi-family dwellings	3	68,007.00
TOTALS	167	\$741,007.00
New Non-Residential	No. Bldgs.	Cost
Private garages	11	\$ 7,990.00
Service Stations	2	4,000.00
Public Works	3	95,403.00
Schools	5	275,581.00
Sheds, temporary offices, etc.	8	1,125.00
Stores, etc.	10	72,825.00
TOTALS	34	\$456,924.00
Additions, Alterations, Repairs	No. Bldgs.	Cost
On housekeeping dwellings	147	\$ 56,640.00
On non-housekeeping dwellings	14	10,900.00
On non-residential buildings	110	63,792.00
TOTALS	271	\$131,332.00
Installation permits	111	\$ 28,007.00

SACRAMENTO BUILDING PERMITS FOR OCTOBER, 1931, CLASSIFIED

Classification	No. of Permits	Est. Cost
1-story 1-family dwelling	14	\$ 57,750
2-story 1-family dwelling	5	32,700
New business building	1	7,264
Office building	1	11,000
Service station	1	2,000
State Building	1	3,500
Private garages	23	3,721
Sheds	4	545
Marquise, barber pole	2	700
Electric signs	4	1,425
Remodel dwelling	1	1,000
Dwelling repairs	20	14,143
Total for month	77	22,046
Summary	159	\$157,795
Housing	19	90,450
New buildings	61	120,605
Additions and repairs	98	37,189

During the past ten months 1319 permits have been issued for improvements aggregating an expenditure of \$3,355,121 as compared with 1541 permits for the same period last year when the total registered \$2,630,657.



A "Pittsburg" Automatic Water Heater installed in the Home indicates high quality throughout.

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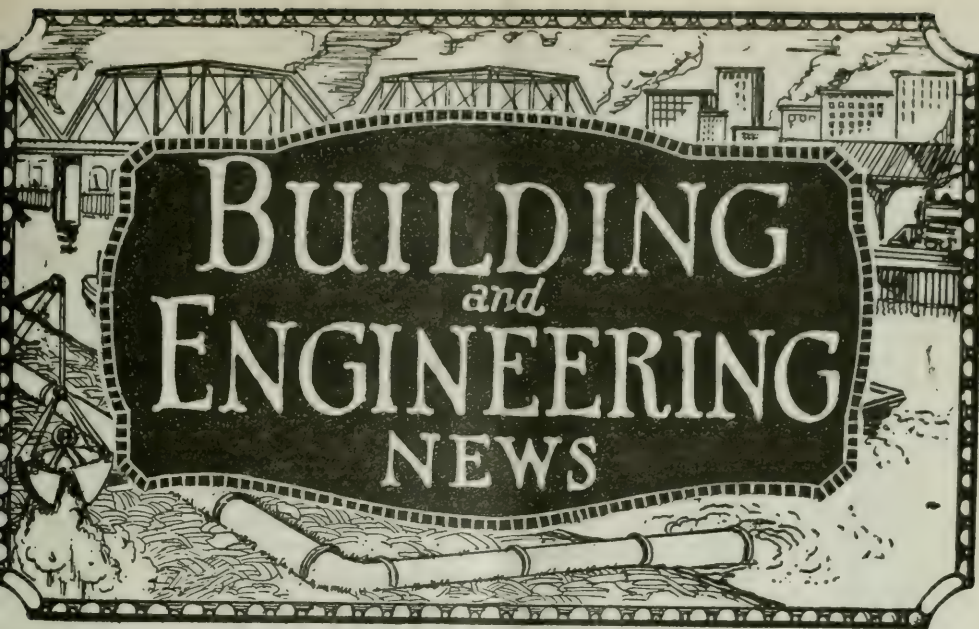
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478 Sutter St., San Francisco

SEND FOR CATALOGS

Electric telemeters of the carbon-resistor type, used for the accurate measurement of strains in structural members, form the subject of Bulletin 27, issued by the Baldwin-Southwark Corp., Philadelphia, Pa. This contained 32 pages, many illustrations and a great deal of detailed information on the uses of this new type of instrument.



Publication Office
547 Mission Street

SAN FRANCISCO, CALIF., NOVEMBER 28, 1931

Published Every Saturday
Thirty-fifth Year, No. 48

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Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

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ASPHALT CHIEFS TO PLAN LOW-COST ROADS

Details of low cost highways to connect the main - traveled roads with paved byways as well as to relieve untravelled through a wide distribution of jobs will be the principal subject at the meeting of the Association of Asphalt Paving Technologists on January 15 during the 29th Annual Convention and Road Show of the American Road Builders' Association in Detroit in January. This association of asphalt experts is composed of leading asphalt chemists and engineers in the United States and Canada.

New machines that make possible the construction of low-cost roads at a considerable reduced cost and at a rapid rate will be featured. These machines will be on display during the exposition and opportunity to examine and study them will be afforded everyone.

In addition to a study of machines, many committee reports will be presented. Mineral fillers, the cracking of pavements due to weather changes, and modern improved paving practice will be considered by committees. Addresses will be heard on low - cost plant-mix construction, simplification of tests for liquid asphalts, the surface relation between asphalt films and mineral aggregates, surface treatment of earth roads with asphaltic oils, and the adaptation of the stability test to coarse asphaltic paving mixtures.

C. A. Mullen of Montreal, Canada, is president of the Asphalt Technologists, and H. L. Howe and W. L. Hempelmann are vice-presidents. Committee chairmen are: Committee on Present Practice, R. L. Morrison; Committee on Research, Prevost Hubbard; Committee on Subgrade Problems, R. M. Green; Committee on Professional Practice, F. P. Smith.

BRIDGE TRAFFIC PLANS ARE DRAFTED

Approaches to the San Francisco-Oakland bridge will be as wide, straight and free from intersections and grade crossings as possible, C. H. Purcell, State Highway Engineer, declares.

City engineers of Oakland, Berkeley and Emeryville conferred with Engineer Purcell on plans for connecting the eastern terminal of the bridge to the new highway from Richmond to Alameda. The experts also went over the general plans for the approaches and connecting streets.

Borings on the bay bottom are proceeding at a satisfactory rate. Purcell declared, after inspecting reports by Charles E. Andrew, State bridge engineer in charge of the project. Three shifts are at work off Pier 22, where one of the main piers will rest, and the drilling is going on twenty-four hours a day.

BUILDERS AIM TO CUT HOME COSTS

A committee of nationally known builders is preparing to recommend numerous practical steps in cutting the cost of American home construction at the meeting in Washington December 2 to 5, of the president's conference on home building and home ownership, according to a statement by the conference.

Professional builders have been canvassed for the fruits of their experience on the most efficient building practices and materials, it was pointed out. This information will be used as a basis for suggestions on topics varying from partial excavation to the wider adoption of quality standards for materials. The committee, it was stated, is convinced the cost of the American home can be reduced materially.

SANTA CLARA COUNTY TO CLASSIFY HIGHWAYS

The Santa Clara county planning commission has taken first steps toward ultimate formation of a county-wide highway plan which will classify each road and highway in three divisions according to degrees of importance as public thoroughfares.

A preliminary master plan has been adopted by the commission, classifying highways of Santa Clara county as trunk, major or minor highways.

On completion of the plan, to be known as the "master highway plan of Santa Clara County," each highway and road in the county will be classified, will have widths standardized and a set-back ruling prohibiting buildings from being constructed closer than a distance to be prescribed by ordinance to the roadway.

Future expansion will be cared for by a provision in an ordinance to be passed by the board of supervisors under the plan which will require extensions of any of the roads or highways affected to conform with the original sections.

ALTERNATIVE PLAN FOR G. G. BRIDGE

An alternative proposal for the construction of the Golden Gate Bridge, providing for the linking of the San Francisco-Oakland transbay bridge with the Marin county mainland, by an extension from Yerba Buena Island across Angel Island to a point near Tiburon, has been advanced.

Tentative estimates place the cost of this 8 mile span at \$20,000,000, a substantial saving from the estimated \$31,000,000 cost of the Golden Gate Bridge.

ALL-AMERICAN CANAL BAN IS CONTINUED

Federal Judge Paul J. McCormick of San Diego, last Saturday, continued in force an order restraining any further step toward consummating a contract for the construction of the all-American canal.

At the same time however, Judge McCormick intimated that he would make his decision on the motion for dismissal and the plea for an interlocutory injunction this week in Los Angeles.

The extension of the restraining order, which has been in force since the suit was filed, will delay the last step in the approval or rejection of the contract, a vote upon it by the irrigation district voters, and delay the possibility of commencing construction of the \$34,000,000 canal by the Federal Government for the California agricultural interests.

The contract already has been approved by the Secretary of the Interior and the directors of the irrigation district.

PAINTERS LOSE IN SUPREME COURT

The injunction against the Painters' District Council No. 14, of Chicago, in the suit brought to enjoin the council from interfering with the installing of painted and glazed kitchen cabinets, was upheld by the United States Supreme Court on November 2, without opinion, on the strength of three previously decided cases. The district council was found guilty of conspiracy to restrain trade, in the lower court, and the Supreme Court confirmed this finding.

The suit was brought by the government through the district attorney of the northern district of Illinois, charging that the manufacturers were forced by the action of the unions into agreements to ship the cabinets into Chicago without the final finish on them. Denial was made on behalf of the unions that they had used force or violence in their attempt to secure for their own members the job of finishing the cabinets in the city of Chicago.

Suit to test the validity of the \$220,000,000 bond issue for construction of the Colorado River Aqueduct has been instituted in the Los Angeles county superior court and has been set for hearing before Judge Henry M. Willis Nov. 27. This procedure is necessary before the bonds can be sold. A petition by the Metropolitan Water District asking the court to validate the bonds is being contested by J. E. Burney, a taxpayer of Long Beach, who claims the legislative act under which the bonds were voted is unconstitutional.

INSURANCE COMPANIES SHOULD DEMAND GOOD MATERIALS IN THE BUILDINGS WHICH THEY FINANCE

(By Herbert L. Davis, Superintendent of Insurance, District of Columbia)

It has very properly been stressed by Commissioner Van Schaek of New York that rate-cutting and robbing have flourished as nefarious practices and are inseparable connected with investment schemes which developed to such large proportions during the height of our prosperity. Reference is specifically made to conditions affecting the extensive loans made by insurance companies on improved realty, wherein fraudulent appraisals have resulted in the loss of many millions of dollars during the recent past, especially to life insurance companies, the largest group of lenders on improved real estate. Policy holders eventually pay these heavy, avoidable losses. Thus, it is urgent and necessary that effective work be done to acquaint executives of insurance companies, passing upon mortgage loans, that a vast difference exists between slipshod work and dependable structural details, combined with high grade materials.

Experience proves that not infrequently loans are based upon the size of the buildings rather than upon their quality. In several instances, applicants for loans who inform the loaning officers of the amount which they expect to pay, based upon specifications requiring materials harmoniously selected for long service and hard usage and low upkeep, have been advised to go to other architects or to obtain bids from other contractors, naming in each instance individuals, firms or corporations that have either designed or built structures of similar size, but at lower cost. Loaning officers have in this manner actually demanded shoddy and cheap construction, thereby creating short-lived collateral for their loans. As a result, when they have had to foreclose, they have taken back buildings requiring constant repairs and costly upkeep. Furthermore, by promoting shoddy buildings, they have found it necessary, year after year, to lower the loaning percentage.

It will take considerable effort to educate all insurance institutions to consider favorably structures having built-in quality, honest value and materials selected for long life and low upkeep. Such structures, however, maintain their income levels and prestige over a sufficient number of years to amortize their erection cost, while the shoddy types, to which they have been promoting, go to pieces and demand heavy upkeep expense, the obsolescent charges and adjustments being in many instances highly extortionate.

The insurance executives and the general public should be informed of the high eventual cost of low initial-cost materials. Architects, generally, have been learning by experience that it is folly to specify short-lived materials, equipment, etc., in order to build low initial-cost buildings, except in the case of temporary structures.

Many producers of building materials make shoddy products for no other reason than to meet price competition. This condition has been engendered by the speculative builders whose responsibility lies with the sale of the completed buildings.

The downward trend in the securities market has seriously affected the plans of many life insurance companies with respect to adequately protecting the beneficiaries of subsisting in-

surance contracts. Today there is momentum in the well-matured program outlined by such recognized lenders as Clyde A. Mann, Director of Certified Building Registry of New York, to whom I am deeply indebted for technical advice incident to the solution of many problems confronting me relative to financing and managing very extensive building operations, in my capacity as Federal Receiver. The results accomplished by Walter Stabler, while Controller of the Metropolitan Life Insurance Company, in demanding honest workmanship and sound building materials, are worthy of special mention. Thereby Mr. Stabler abundantly safeguarded the loans of his company and materially contributed toward lessening the waste, the distress, the substitutions and fraud which were so rampant during our most prosperous days; now, like an incubus, strangling the building industry and injuriously affecting the stability of insurance loans upon improved realty.

Home buyers by many thousands have been made the victims of poor construction of houses bought of speculative builders, many of them realtors, and permanent disillusionment of millions of our people has been the result of the continued sale of houses which "broke the backs" of their buyers. The Associated General Contractors of America made it the first business of its Planning Committee to point the ways by which confidence of the public may be restored in both the buildings and building bonds and mortgages which have been issued. It was found that the same remedy needed for dwellings also was needed by larger buildings which failed to have adequate engineering or architectural service and were "starved" of the good materials, equipment and workmanship, which are needed for substantial structures.

Today there is insistent demand for reform, which is born of the needs of the industry, as now recognized, not only by the public, but by most of the large insurance mortgage lenders as the result of the foreclosure scourge, and also by the Insurance Commissioners who supervise the investments of the life insurance companies, and the operations of the fire insurance companies, as well as the mortgage guarantee companies. The subject of "structural assurance," and the importance to the lenders, as well as to the public, of closer knowledge of structures under mortgages is worthy of serious study and consideration alike by insurance commissioners and executives.

If there has been indifference on the part of directors of life insurance companies to their responsibilities to the 70,000,000 policy holders to insure good construction for the protection of the policy holders, and others, as well as for the safeguarding of the mortgage investments made by the life insurance companies, it is in a fair way to clearer recognition. In such highly organized institutions as life insurance companies, the recognition is the major need; correction of mistakes of the past may then be considered well on the way.

Life insurance companies, by the vastness of their mortgage investments and by their leadership in social benefits, are expected to set new standards in mortgage loan practices in which

"structural assurance" is an obvious factor. There has not been such precise knowledge about structures under mortgages as there commonly is regarding the title to the realty.

Structural assurance provides an aid to accuracy of appraisals by providing precise and complete information as to the structural merit. With such accepted basis, the vagaries of appraisals, which have been the means of over-financing in many billions of dollars during recent years, would have a checkmate. Many appraisers do not attempt to examine into the details of construction, and yet those details determine the sustained gross income, the maintenance costs and the operating expense.

Codes for rating other types of buildings, than dwellings, with the factors essential to each type duly weighed by committees, composed of engineers, architects, building managers and lenders, make possible the analysis of structural merit and the expression of that merit in sound classifications.

The work of structural rating already done will shortly result in a complete organization whose Governing Board, like the Committee of Lloyd's Register of Shipping, will be made up of men of various viewpoints and experiences in relation to buildings and men of outstanding reputations in their respective lines, for integrity of high purpose, as well as competence and vision. Such adequately equipped specialists will represent: Architects, engineers, contractors, property managers, fire-underwriters and builders.

Advice and guidance derived from authoritative quarters dealing with building construction standards—in integrity, ability and impartiality—are the essentials.

MONTEREY COUNTY SUED ON ROAD JOB

Monterey County's famous "million-dollar" highway, between Salinas and Monterey, over which countless hundreds of machines daily hurtle their way in the effort to "save a few minutes" between Salinas and the famed Monterey peninsula, took Monterey county into superior court before Superior Judge Maurice T. Dooling at Hollister last Wednesday.

The suit, instituted by A. J. Raish, contractor, asks \$15,899, allegedly due on the paving contract, in addition to \$160,000 already paid. Monterey county board of supervisors deny that the amount is owing.

The county action arose over discrepancies in two contracts for the work, one a printed form, a basic contract, requires the payment of an additional \$1 over the contract price for each cubic yard of concrete laid, proving one-half of the highway was kept open to traffic. The extra payment does not figure in the type-written contract on the job which expressly provides that one-half of the highway should at all times be kept open for traffic.

Monterey county was represented at the court hearing, attended by the board of supervisors, by Attorney H. C. Wyckoff, of the Watsonville law firm of Wyckoff, Gardner & Parker, with Attorney Russell Scott also an attorney of record in the case. Attorney J. A. Bardin represented the plaintiff. Attorney William Jones, also counsel for the plaintiff, was not present.

Brandis & Sons, Inc., 754 Lexington Ave., Brooklyn, N. Y., has published a new 54-page catalog of surveying instruments and field equipment.

THE OBSERVER

What He Hears and Sees on His Rounds

Road contractors in Louisiana have been notified that the state highway commission will issue certificates of indebtedness on balances due on estimates until the commission has sufficient money to pay the complete amount. The certificates will bear 5 per cent interest and will mature on March 1, 1932. Harry B. Henderlite, state highway engineer, explains that postponement of a \$5,000,000 bond sale made the deferred payment plan necessary.

A delegation of seventeen unemployed men and women appeared before the Oakland city council last week and submitted ten demands for the alleviation of their condition. The delegation declared that the relief given by the Associated Charities is "wholly inadequate," and demanded cash, free milk, free rides and free salaries. The demands were:

- 1.—No eviction of the unemployed for non-payment of rent.
- 2.—One quart of free milk per day, plus one quart for every child.
- 3.—No turning off of the gas supply.
- 4.—Free carfare on street cars.
- 5.—Free medical attention.
- 6.—Abolition of the chain gang, full union wages for all work already done there.
- 7.—No discrimination because of citizenship, age, sex or residence.
- 8.—All salaries over \$3000 per annum cut to that figure and the remainder given to the unemployed.
- 9.—Immediate cash payment of \$150, plus \$50 for each dependent.
- 10.—Immediate attention to these demands.

The injuries which convict labor is causing to the industries of the country were explained by A. P. Greensfelder, president of the Associated General Contractors of America, to a meeting of 45 members of the Milwaukee and Wisconsin chapters of the association held in Milwaukee Oct. 13. If prison labor were eliminated, Mr. Greensfelder stated, 250,000 men who are out of jobs today would be given employment.

The need for new construction at this time can be met by the cities by undertaking a program of slum rehabilitation, he pointed out to the contractors. Each city should make a survey of its needs in this regard and arrange to have unsafe, unsanitary buildings removed and modern safe structures supplied.

Mr. Greensfelder prophesied that in 10 years' time, certified construction bureaus would be established everywhere and would be generally accepted in connection with the building of homes.

The subjects discussed by Mr. Greensfelder will receive the attention of the annual convention of the Associated General Contractors to be held in Milwaukee during the week of January 13.

Hearing of the suit brought by the Six Companies, Inc., Boulder dam contractors, to enjoin the state of Nevada from preventing them from using auto trucks in tunnel construction work at the dam, has been set for December 12 by Judge Norcross in the federal court at Reno. The date was set ahead by Judge Norcross at the request of both parties. The com-

pany secured a temporary injunction prohibiting the state mining inspector from enforcing the state law concerning the use of gasoline under ground and this injunction will remain in effect until the hearing.

The International Brotherhood of Painters recently held a referendum regarding changes in their constitution; one of which provided that where a contractor was doing work in another city, he must employ the local men at least on a fifty-fifty basis, and where there might happen to be shorter working hours between the two localities, that the short week in either city should govern the job. This is a concession from the international which will be greatly appreciated by contractors, who in years past have been subject to law suits because they objected to paying men the highest scale which existed in either city.

Price-cutting tactics among various branches of the building industry continue unchecked. During these hectic days of fierce competition trying to capture a job, which are few and far between, sub-contractors are slashing their costs beyond reason to land within the charmed circle. It is just a repetition of the old story, "dog eat dog."

The legitimate sub-contractor declares it is useless to sharpen his pencil, as the odds are against him on the wage question, being always on the outside looking in. His estimate is based on the established hourly wage specified in trade agreements, which the non-agreement builder in a sense does not feel obligated to comply with.

From several sources, a new method of sub-contracting is brought to our attention. It is sub-contracting labor. Sub-contractors maintain a dependable group of workmen, these mechanics are hungry for employment, and band together for the purpose of submitting an agreed labor price for the job. While this method may get the sub-contractors by in some cases, due to the scarcity of building, it is a reflection later on and does not work out to their satisfaction.

It breaks down the structure, which years of service has built up. By this method, he is not, as he feels, relieved of the labor responsibility. He is only courting more trouble by placing his workmen in business, although they may have splendid records as craftsmen in their line. Another bad feature is: there is a divided responsibility and liability, such as compensation insurance, the validity of performance bonds, etc. Here the sub-contractor is buying unknown trouble for himself.

The apparent cost may appear quite a percentage lower. In the first analysis, the actual job cost is higher, because it is operated under two systems and not co-ordinated on the plan of a well managed and efficient construction project.

The public is well aware of wage cheating in building trades circles. Two wage scales are established, one for the unsuspecting sub-contractor and one for those taking advantage of the situation.

Our opinion simmers down to this: Either the workmen are not receiving the prevailing hourly wage; if they are, they are donating extra time aside from the prevailing hours and receiving straight time compensation. In other words, they agree to work 9, 10 and 11 hours and derive 8 hours pay and no more.

Members of the National Association of Building Trades Employers assume that while an overabundance of apartments, office and industrial buildings does obviously exist, there is a general shortage of dwelling houses. Moreover, there is much to be done in the way of slum and tenement clearance and rebuilding. Promising prospects are: Boston, Albany, Philadelphia, Louisville, Omaha, Kansas City, Duluth, St. Paul, Los Angeles, San Francisco, Portland and Seattle.

A department to act as contract authority between the owner, general and sub-contractor, the material men and financial groups, has been established by the Los Angeles Builders' Exchange, according to announcement from Mano Zan, Secretary-Manager of the exchange.

The purpose will be to give full protection to all concerned and to hasten construction activities by consolidating in one report every detail of the job, financial and otherwise. The division will be directed by Bert Wyatt.

To the sub-contractor and material men he will report on the financial condition of the project. To the financier involved in the transaction, the report will not only detail the encumbrances of record, but the estimated cost of construction. The Exchange has established the new department in line with the recently announced policy of President Hoover to encourage home building and general construction activities.

A minimum wage clause will be inserted in all future contracts for highway work in Oklahoma. It was made known recently through a supplementary notice to contractors included with the proposals for state highway work. This notice states: "The contractor shall write on the face of his proposal 'This bid based on a minimum wage of 30 cents per hour.' The contractor will be held responsible for enforcing this order in all sub-contracts let by him."

The American Institute of Steel Construction cites what is believed to be a record for the amount of steel set by a single tool in a day. On Aug. 27 of this year a crew of the Phoenix Bridge Co. on a job at 26th Street and Pennsylvania Avenue, Philadelphia, erected in place 2,033,000 lb. of steel. Included in the day's work 71 pieces weighing a little more than 14 tons each, all of which were erected in 9 working hours. The performance was accomplished with a single erecting crane in charge of H. A. Archinal, foreman, under the general supervision of J. F. Kinter, superintendent of erection.

The Firestone Tire & Rubber Company will inaugurate four six-hour shifts daily at its plant at Southgate, Calif., within a week. The change, it was said, will add 350 men to the 1200 now carried on the payroll. Men laid off during the last two years will be given preference for the new jobs. Production will be maintained at the present average daily output. R. J. Cope, general manager, said, but the work will be divided into four shifts instead of three.

HERE—THERE EVERYWHERE

A lower wage scale for building mechanics has been suggested by the Building Trades Employers' Assn. of Boston. A wage cut would affect 25,000 workers.

During the period of 1920 to 1929 approximately 70 billion dollars was spent on nation wide construction work, an average of nine billions annually.

L. E. Mayer of Chicago, president of the White City Electric Company, was re-elected president of the International Association of Electrotechnicians at the thirtieth annual convention of that body held at Hot Springs, Ark.

At the annual convention of the Plastering Contractors International Association held in New York City, the organization went on record favoring the letting of public construction work through direct contracts with each specialized division of the building industry.

The Landis Award Contractors in Chicago have announced a reduction in wages effective October 16th to continue indefinitely. The major trade rates are set at one dollar per hour, the cement finishers at 90 cents and laborers at 70 cents per hour. They announce no change in the wages of the bricklayers or their trade affiliations.

O. J. Condon, formerly field secretary of the National Association of Building Owners and Managers, has been appointed executive secretary of the National Association of Ornamental Iron & Bronze Manufacturers with headquarters at Washington.

A. J. Bateman, city engineer of Lynwood, has been appointed water superintendent of that city, the appointment to become effective Nov. 30. Mr. Bateman will supervise the work of both departments. H. S. Rutter has been selected as general foreman of the water department and Robt. Rodwell as pipe line foreman.

Link-Belt Co., Chicago, Ill., announces the merger of the George W. Moore Co., Chicago, with H. W. Caldwell & Son Company, a subsidiary of Link-Belt. The continued units are to be known as the Caldwell-Moore division of the Link-Belt Co. Max H. Hurd, formerly president of the Moore Company, becomes vice-president of Link-Belt in charge of the new division. His headquarters will be in Chicago.

The Ford Motor Co. is installing at its Rouge plant a 400-ton furnace, hot metal mixers, and a baling press capable of scrapping old cars at rate of almost one a minute. The new equipment, costing \$500,000, will increase capacity of the open-hearth department to 2600 tons every 24 hours. Under former practice, scrapped cars were crushed and cut into small parts. Ford likewise is changing over all motors at Rouge from direct current to alternating current operation. The work, involving 27,000 motors, is 45% completed, already has cost \$6 millions. Work already finished saves 2000 hp.

The ever present question concerning the shopping of bids becomes intensified in times like these, says an

editorial in The Constructor, A. G. C. publication. It is a question which has been brought up repeatedly by many agencies in attempts to devise a system which would eliminate bid peddling and yet be practicable. The Allied Construction Industries Committee, composed of nationally organized subcontractors and general contractors, studied the matter thoroughly in 1928 and 1929 but was unable to do more than fix the blame on the existing loose credit practices which encouraged irresponsibility in the industry.

Recently, with loose credit eliminated but with a struggle going on for the survival of the fittest, the New York Building Congress finds the peddling of bids still more prevalent and is endeavoring to work out a plan to correct it. As a basis for discussion the following has been suggested: That the architect specify the names of responsible sub-bidders wanted in each trade; that sub-bids be opened in the presence of bidders; that any of the subs bidding may be awarded the contract at the original price; that if changes in plan are made after the original opening, only original bidders be allowed to figure the changes; that in case of refiguring the job, the original bidders be paid one and a half per cent of their bid as a service charge for submitting the second bid, if not awarded the contract.

While presenting meritorious features, the difficulty with this proposal as with most others is the difficulty of enforcing it.

In Minneapolis, a totally new tactic has been proposed for dealing with the bid peddling question. The essence of this proposal is the establishment of a sort of exchange to which all organized general contractors will apply for sub-bids when wanted. Sub-bidders will then submit bids to the exchange where they will be opened and the market price for the sub-bid established by the low bid accepted. The general contractor will then be at liberty to award the sub-contract to any subcontracting member of the exchange at the market price established. It is proposed, of course, that all sub-bidders becoming members of the exchange shall be rigidly prequalified before being enrolled.

It is the Minneapolis plan is radically different from anything hitherto proposed, it has many elements which may make for its success. It is so well worth study that we hope to be able to present soon a thorough review of the proposal and the degree of acceptance which it has met at the hands of both general and subcontractors in Minneapolis.

Reports of new orders for fabricated structural steel for the week ending October 31, 1931, were received from 103 establishments, whose capacity represented 54.5 per cent of the total capacity of all plants in the United States. The bookings reported by these establishments, amounted to 13,104 tons, representing 26.1 per cent of the total capacity of reporting establishments. Reports of shipments of fabricated structural steel for the same week were received from 100 establishments, whose capacity represented 52.2 per cent of the total capacity of all plants in the United States. The shipments reported by these establishments amounted to 19,407 tons, representing 40.3 per cent of the total capacity of the reporting establishments.

One hundred years hence, this present generation will not be here to see and tell of it. Henry C. Lytton, pioneer clothing merchant forecasts Chicago's population in 2031 will be 20,000,000. He further says Chicago

goans in 2031 will reside in colored homes, composed principally of glass and steel, with skyscrapers ranging in height from 40 to 100 stories. His forecasts were sealed behind a bronze plaque in one corner of the Hub Building bearing the inscription, "to be opened October 12th, 1931."

The 1931 Hand Book of the Builders Association of Chicago is about ready to be distributed. For its general usefulness as a reference guide on construction work, it is eagerly sought. Its pages contain verbatim copies of every joint trade agreement existing between building trades unions and their employing bodies of Cook County. Other features are apprenticeship wages shift time data, Chicago Building Ordinance, decisions of both the Joint Conference Board and National Board for Jurisdictional Awards, rules of measurement, etc. Accompanying numbers and advertisers, the directory sells for \$2.00.

The October report of the committee on renting of the National Association of Building Owners and Managers reveals an increase of only one per cent since May in the supply of available office space in practically all cities of the country. The survey, made in 41 of the principal cities of the United States and Canada, covers a total of 2,628 office buildings with a total rentable floor area of 17,879,322 square feet. Of this amount, 32,617,176 square feet are vacant, or 18.34 per cent. During the five months since the May survey was taken the vacancy has increased from 17.27 per cent to the present figure.

In addition to the present vacancy, 3,930,544 square feet of space are reported under construction in 25 new office buildings. This figure of new construction is one-third of that reported in October, 1930, when 11,054,562 square feet of office space were under construction in 65 new buildings. In the face of general business conditions prevailing during the summer and in view of new space brought on the market, the increase in office vacancy was less than anticipated.

Methods of expanding highway programs as a relief to unemployment as well as the stabilization of highway activities will be subjects before an open mass meeting on January 11, during the 29th annual convention and road show of the American Road Builders' Association in Detroit at which 25,000 road builders will gather. Speakers of national note will be present. Out of the meeting undoubtedly will grow a practical plan for presentation to Congress and the various state, county, and city governments for their approval and action according to ideas of association officers.

In the famous Hudson Highlands overlooking the Hudson River near Peekskill, N. Y., there is a refuge for unfortunate construction workmen known as St. Christopher's Inn, established in 1909 by the Franciscan Friary, who converted an old log chicken house into a habitation. Since that time there has been built up an institution with accommodations for 150 persons in some fine large stone buildings and many smaller ones. These structures are the result of contributed efforts of unfortunate carpenters, bricklayers, stone masons, steel and concrete workers, foremen and even contractors who found shelter in the institution. A blacksmith shop, stone cutting shed, a quarry and a farm are now being operated. Workshops, machinery, supplies and instruction for the unskilled in useful arts and trades are contemplated.

BUILDING PERMIT TOTALS FOR PAST TEN MONTHS

ALAMEDA

	Permits	Est. Cost
January	26	\$104,721
February	39	38,344
March	47	96,677
April	60	43,684
May	54	60,382
June	58	182,687
July	50	25,355
August	53	20,945
September	72	32,625
October	38	26,650

ALBANY

	Permits	Est. Cost
January	32	\$ 38,095
February	29	49,755
March	28	48,318
April	16	27,326
May	24	162,095
June	22	35,015
July	24	34,250
August	39	44,165
September	25	37,105
October	21	79,137

ALHAMBRA

	Permits	Est. Cost
January	54	\$ 89,375
February	44	74,225
March	59	239,150
April	59	111,200
May	43	85,850
June	49	91,625
July	54	111,800
August	52	64,500
September	49	103,985
October	34	62,500

ANAHEIM

	Permits	Est. Cost
January		\$ 47,550
February		79,835
March	15	31,276
April		19,570
May	14	20,100
June	12	12,100
July		6,750
August		19,259
September		15,910
October		20,402

BAKERSFIELD

	Permits	Est. Cost
January	54	\$ 38,760
February	40	53,575
March	63	121,649
April	59	87,015
May	49	59,555
June	28	58,850
July	44	30,178
August	31	36,865
September		
October	43	19,737

BERKELEY

	Permits	Est. Cost
January	83	\$ 90,060
February	29	157,044
March	63	121,649
April	85	160,472
May	101	209,451
June	96	137,378
July	108	158,473
August	121	199,354
September	141	162,090
October	108	72,259

BEVERLY HILLS

	Permits	Est. Cost
January	69	\$324,350
February	55	254,800
March	79	367,450
April	58	272,470
May	57	246,710
June	54	200,305
July	53	520,911
August	60	824,173
September	75	231,385

BURBANK

	Permits	Est. Cost
January	24	\$ 42,400
February	24	32,350
March	23	38,370
April	33	51,780
May		
June	23	49,060
July	23	32,110
August	18	27,413
September		
October	28	50,600

BURLINGAME

	Permits	Est. Cost
January	13	\$ 76,715
February	11	98,600
March	12	51,200
April	16	73,491
May	12	78,050
June	11	21,212
July	19	54,992
August	16	34,900
September	14	28,135
October	11	22,600

CARMEL

	Permits	Est. Cost
January	6	\$ 20,450
February	10	7,920
March	15	16,555
April	13	9,250
May	8	20,655
June	7	11,285
July		
August	4	4,650
September	8	6,733
October	14	15,255

EMERYVILLE

	Permits	Est. Cost
January	4	\$ 25,800
February	No Permits Issued	
March	5	17,900
April	6	33,900
May	3	\$25
June	5	181,825
July	8	1,300
August	4	1,325
September	5	11,625
October	5	825

EUREKA

	Permits	Est. Cost
January	27	\$ 27,725
February	26	22,935
March	26	17,250
April	21	29,670
May	27	13,550
June	14	10,150
July	14	12,350
August	25	18,830
September	29	21,675
October	31	19,618

FRESNO

	Permits	Est. Cost
January	126	\$ 83,127
February	86	120,595
March	116	116,920
April	122	125,093
May	101	75,442
June	136	88,011
July	82	73,014
August	84	69,046
September	140	95,279
October	211	69,488

GLENDALE

	Permits	Est. Cost
January	118	\$244,210
February	80	142,165
March	149	332,740
April	27	283,545
May	97	219,885
June	92	250,050
July	103	234,475
August	108	264,155
September	110	306,925
October	87	206,930

HAYWARD

	Permits	Est. Cost
January	11	\$ 6,907
February	7	9,325
March	6	82,597
April	7	18,160
May	4	3,850
June	4	6,400
July	4	18,825
August	5	1,100
September	4	4,300
October	9	10,975

HUNTINGTON PARK

	Permits	Est. Cost
January	32	\$ 49,170
February	32	36,795
March	45	67,385
April	34	49,200
May	30	34,365
June	24	23,700
July	31	63,175
August	32	47,360
September	39	63,210
October	22	35,620

INGLEWOOD

	Permits	Est. Cost
January	21	\$177,100
February	38	55,525
March	46	62,550
April	43	92,070
May	43	137,750
June	31	68,545
July	45	65,320
August	33	44,115
September	41	63,005
October	44	64,286

LONG BEACH

	Permits	Est. Cost
January	321	\$461,910
February	279	355,845
March	294	595,585
April	313	382,775
May	270	438,100
June	279	334,925
July	325	384,160
August	421	302,060
September	451	341,875
October	379	386,245

LOS ANGELES

	Permits	Est. Cost
January	2,063	\$3,790,283
February	1,889	3,670,782
March	2,609	4,272,107
April	2,338	3,413,850
May	2,200	3,097,700
June	2,100	4,460,040
July	2,036	3,751,072
August	2,219	3,069,847
September	2,266	3,097,453
October	2,311	3,459,905

MODESTO

	Permits	Est. Cost
January	22	\$ 26,295
February	18	84,192
March	31	61,341
April	25	19,919
May	21	6,836
June	28	22,137
July	22	27,175
August	21	20,525
September	24	18,209
October	40	52,168

MONTEREY

	Permits	Est. Cost
January	18	\$704,405
February	17	7,925
March	31	30,479
April	27	25,175
May	19	26,333
June	26	21,018
July	28	253,679
August	18	37,172
September	31	44,718
October	29	36,090

OAKLAND

	Permits	Est. Cost
January	258	\$ 690,447
February	253	1,000,035
March	276	967,545

April	815	945,203
May	239	421,848
June	257	613,336
July	293	484,250
August	290	371,095
September	314	350,368
October	316	510,586

PACIFIC GROVE

	Permits	Est. Cost
January	12	\$13,500
February	14	11,875
March	15	21,176
April	23	45,835
May	16	17,175
June	15	35,260
July	7	7,500
August	7	23,130
September	19	15,000
October	16	23,690

PALO ALTO

	Permits	Est. Cost
January	30	\$46,500
February	40	90,200
March	34	85,775
April	42	79,800
May	37	165,075
June	40	157,150
July	42	99,650
August	56	149,329
September	63	86,500
October	60	105,510

PASADENA

	Permits	Est. Cost
January	310	\$1,516,175
February	304	162,566
March	356	299,479
April	278	204,244
May	259	20,980
June	242	364,838
July	258	177,806
August	325	195,263
September	330	125,082
October	387	297,006

PETALUMA

	Permits	Est. Cost
January	1	\$4,000
February	4	5,300
March	2	2,125
April	6	8,825
May	9	10,230
June	8	9,885
July	6	9,750
August	4	7,175
September	6	3,700
October	11	8,710

PIEDMONT

	Permits	Est. Cost
January	6	\$14,625
February	4	35,400
March	7	29,985
April	14	58,939
May	14	84,199
June	18	22,863
July	12	44,803
August	11	19,256
September	14	13,240
October	7	19,773

POMONA

	Permits	Est. Cost
January	60	\$90,940
February	42	212,515
March	62	216,980
April	30	44,044
May	45	132,031
June	47	33,022
July	46	50,072
August	54	40,867
September	65	30,237
October	58	212,965

REDWOOD CITY

	Permits	Est. Cost
January	20	\$35,785
February	33	45,600
March	41	125,735
April	29	78,990
May	32	60,270
June	24	61,534
July	29	36,470
August	29	43,232
September	36	115,668
October	26	71,608

RICHMOND

	Permits	Est. Cost
January	27	\$24,705
February	36	62,323
March	40	90,645
April	44	44,355
May	40	36,100
June	47	16,865
July	40	127,658
August	45	54,984
September	42	26,575
October	46	10,636

RIVERSIDE

	Permits	Est. Cost
January	50	\$95,197
February		
March	55	33,847
April	40	44,304
May	61	66,540
June	70	47,855
July		
August		
September	108	40,348
October	75	61,267

SACRAMENTO

	Permits	Est. Cost
January	87	\$220,932
February	96	608,781
March	149	303,045
April	131	478,230
May	113	576,097
June	134	280,414
July	121	277,211
August	169	279,159
September	160	158,454
October	159	137,794

SALINAS

	Permits	Est. Cost
January	33	\$126,558
February	34	60,210
March	45	69,125
April	19	117,095
May	25	34,260
June	20	23,775
July	19	39,527
August	32	37,738
September	23	58,035
October	30	45,160

SAN BERNARDINO

	Permits	Est. Cost
January	40	\$56,631
February	40	65,276
March	74	94,064
April	52	94,887
May	49	56,850
June	39	44,075
July	27	25,810
August	37	50,600
September	45	36,795
October	41	31,030

SAN DIEGO

	Permits	Est. Cost
January	265	\$506,523
February	270	386,442
March	351	644,875
April	294	547,923
May	284	431,610
June	281	605,167
July	323	342,735
August	314	453,330
September	343	449,361
October	310	276,620

SAN FRANCISCO

	Permits	Est. Cost
January	468	\$1,831,083
February	501	1,712,571
March	556	2,090,129
April	703	1,837,433
May	590	2,853,671
June	575	2,851,799
July	583	1,829,473
August	558	1,992,305
September	561	1,531,282
October	533	1,357,340

SAN JOSE

	Permits	Est. Cost
January	52	\$216,810
February	71	127,655
March	92	207,735

April	68	109,611
May	46	61,48
June	65	95,81
July	73	122,41
August	66	128,49
September	76	108,771
October	94	282,39

SAN MATEO

	Permits	Est. Cost
January	15	\$129,651
February	35	138,921
March	18	74,721
April	25	145,431
May	18	69,192
June	17	37,910
July	19	146,778
August	29	76,415
September	20	67,750
October	24	143,690

SAN RAFAEL

	Permits	Est. Cost
January	7	\$8,750
February	11	9,475
March	11	15,250
April	12	22,875
May	5	5,225
June	15	10,835
July	12	28,975
August	16	21,075
September	11	23,800
October	11	18,725

SANTA ANA

	Permits	Est. Cost
January	60	\$71,647
February	46	64,472
March	57	107,585
April	38	51,601
May		
June	60	276,939
July	55	58,084
August	67	24,038
September	75	58,899
October	57	66,696

SANTA BARBARA

	Permits	Est. Cost
January	73	\$118,030
February	94	273,910
March	102	333,588
April	71	141,378
May	58	606,466
June	60	124,525
July	67	86,317
August	77	121,245
September	78	101,241
October	76	60,284

SANTA CRUZ

	Permits	Est. Cost
January	22	\$30,503
February	26	13,345
March	33	32,410
April	36	33,705
May	29	20,330
June	21	6,906
July	17	18,653
August	20	21,080
September	34	41,100
October	31	15,427

SANTA MONICA

	Permits	Est. Cost
January		
February	65	\$239,181
March	71	130,425
April	71	170,285
May		
June		
July	68	86,513
August	57	90,230
September	53	90,240
October	49	65,147

SANTA ROSA

	Permits	Est. Cost
January	20	\$52,400
February	4	38,700
March	19	39,950
April	16	118,655
May	17	11,075
June	20	15,321
July	20	14,950
August	19	87,945
September	20	30,150
October	23	18,344

MORTGAGE BANKS OF REDISCOUNT LAUDED BY NATIONAL REALTORS

Describing the Hoover plan for creating mortgage banks of rediscount as the "first light on a dark horizon," Harry S. Kissell, President of the National Association of Real Estate Boards, announces that he has called a special meeting of the Association's Executive Committee to aid in presenting this matter to Congress. The Association's membership comprises real estate boards in 562 cities.

The President of the Realty Association was exuberant about the news from Washington. He said the Hoover recommendation culminated a long struggle on the part of the Association to have the rediscount mortgage bank adopted as the solution for many current problems. The Real Estate Association authorized a study of such a system last May and the Board of Directors passed a resolution approving such a plan on November 7. Mr. Kissell said:

"The lack of such a plan in the financial structure of the country has been one thing that has retarded home owning. A family purchases a dwelling, takes on a first and second mortgage for a period of years. The picture is perfect in many ways up to the time when one or both of the mortgages run out and refinancing is needed. Then if times are the least bit bad, and often even when times are very good, the new financing cannot be obtained, all that has gone before is wiped out, and the home is lost—often forever.

"Many financing companies have been powerless to meet this problem. If they did not have the funds, they could not as much as step across the street to get money on this very good risk—the American home owner. With money plentiful in some sections of the country, other sections have been in the position of needing it badly and many financing institutions literally have been dying of thirst with water

all around. Thus, what have come to be known as frozen real estate credits have piled high on their counters, but these credits have been frozen only because of lack of proper financing machinery and not because of any general collapse of underlying values.

"The mortgage bank proposed by Mr. Hoover will permit the easy exchange of residential mortgages between American cities and states so that home financing money can be sent where it is needed. The capital funds of the bank will provide a permanent fund not now in existence for this field and the bonds of the bank, in quick time, will become a popular American investment.

"The Hoover announcement will bring peace to thousands upon thousands of people who have been greatly agitated about the fate of their real estate equities. If Congress makes this new system possible, home owning will be enormously stimulated and many people who never would have undertaken home owning at all will be given the confidence to do so. Labor and all allied trades will benefit in the resumption of residential construction which will follow the completion of such a system.

"This is the greatest thing that has ever happened in the real estate field, the greatest impetus home owning has ever had, and the announcement alone that Hoover is for this plan will at once tend to stabilize the entire real estate market."

Members of the Executive Committee and the Board of Directors of the Real Estate Association and many others interested in the housing field telegraphed President Hoover tonight expressing their appreciation of his determination to push the mortgage bank project and assuring him of active co-operation in presenting the matter before Congress.

high and low bids of \$61,700 or a variation of approximately 16%. How in the name of Heaven can competent or incompetent estimators justify such unintelligent figures. Either the drawings and specifications were carelessly made or something was radically wrong with the surveyors' quantities. I cannot believe that the Architects were at fault in this instance, because they seldom have extras caused by omissions or errors; neither can it be said that these particular Architects are unfair in interpreting the contract requirements.

I could cite hundreds of cases similar to the one mentioned, many of which are well known to every Contractor in this city.

It is a waste of time for me to tell of the present ridiculous practice of the average Contractor who has an estimator or estimating department figure every job, who gets an occasional one, and at the same time, multiplies an overhead expense which eventually must be unloaded on the Owner. Such wastefulness needs no exposition, it should be condemned before trial.

Recently on two large building operations in this city the Contractors failed to complete their contracts and the work is now being carried to completion by the Bonding Company. I am not informed as to the exact cause of these failures, but I would venture the statement that an investigation of their estimating and take-off sheets would reveal some illuminating facts.

My remarks represent my own personal opinion. I am completely in sympathy with your movement and work, and stand ready and willing to assist you when I can. I hope that great body of men, the Building Contractors, will see the value of your service and adopt it wholeheartedly.

The San Mateo city council has adopted a standard wage scale to apply on construction undertaken by that body. The scale lists carpenters at \$9 a day; bricklayers, \$11; electrical workers, steam fitters, plumbers and sheet metal workers at \$10; laborers from \$4.50 to \$5.50 and more than a score of crafts at rates approved in union schedules.

Capital expenditures on highways during 1930 by Canadian provinces were \$70,000,000, according to data prepared by the dominion bureau of statistics. During the same period \$23,100,000 was spent on maintenance of primary and secondary highways.

There has just been issued from the press of the State Printing Office at Sacramento a pamphlet entitled "Union Scales of Wages and Hours of Labor—1929 and 1930." It is from the State Department of Industrial Relations and was compiled by the division of labor statistics and law enforcement under the direction of the late James W. Mullen, chief.

The building products division of the Berger Manufacturing Company of Canton, a subsidiary of Republic Steel Corporation, has been taken over by the Truscon Steel Company, it is announced by President Julius Kahn of Truscon.

When the construction of the recently completed 85-story Empire State Building in New York was in full swing, according to Andrew J. Eken, of Starrett Bros. & Eken, Inc., the contractors, the payroll ran to \$250,000 per week and a total of 4,200 men was working at one time. There were 50 different trades in the building and more than 1,200 firms supplied equipment and materials.

QUANTITY SURVEY METHOD TO ELIMINATE WASTE IN INDUSTRY

(Address of H. P. Van ARSDALL, of Samuel Hannaford & Sons, Architects, Cincinnati, Ohio, before the American Institute of Quantity Surveyors)

You are, no doubt, aware that the average Architect knows very little about quantity surveys; if he knew more he would probably advocate the employment of your service. Should an Architect once start to make use of your service you can rest assured he will continue to do so (if we can take the repetition practice in specification writing as an example).

It seems incredible in this enlightened age, when people are preaching efficiency that many business men are still employing wasteful methods in conducting their business. If there is any industry in America that needs a thorough house cleaning and a revised business set-up it is the Building Industry. This is said in the friendliest spirit and should not be taken as adverse criticism. After reviewing and tabulating thousands of bids, over a period of twenty years, I have come to the conclusion that 75% of those in the Contracting Profession know less about estimating building costs than the poor bewildered architect whom the Lord knows needs knowledge on the subject. Help is what we all need and it is you, gentlemen, who will have to supply the deficiency, in the form of accurate Quantity Surveys.

How to educate the Contractor and Architect to employ and endorse your service I am not prepared to say. I might suggest, however, that your executive body appoint one of your members to make parallel comparative quantity surveys for a period of one year with some successful general contractor, and make no charge for this service. The general contractor should keep an accurate record of his expense in making his surveys, while your representative establishes his own probable fees. Such an arrangement if made, I am sure would quickly demonstrate the necessity and economies of your service, and arm you with conclusive proof in marketing a badly needed service in the Building Industry.

I have made statements which I might be called upon to substantiate, so I am going to cite a recent example.

On February 5, 1931, the Hamilton County Tuberculosis Hospital Building Commission received bids on the Southwest Wing Addition to the present Infirmary Building and Additions to "J" Building. No. 1 bid for the general contract work amounted to \$373,000. There were eight other bids ranging all the way from \$381,950 up to \$441,500, a difference between the

BAROMETER FOR BUILDING INDUSTRY PLAN OF ARCHITECT

A business barometer for the building industry, which would serve as a guide for business generally, is advocated by Electus D. Litchfield of the New York chapter of the American Institute of Architects. Such an indicator could be created, he declares, by keeping a monthly check on the number of draftsmen employed by the architects of the country.

"New York City will be faced with a housing shortage in two years," says Mr. Litchfield, outlining his plan to the Architects' Emergency Employment Committee for the Region of New York. "Although the city's population continues to increase, the buildings are growing obsolete. In the building industry, and I suppose it is the same in most industries, depressions cure themselves.

"Today we are perhaps at the zero hour. Return of confidence will be indicated the moment a definite general increase in employment comes into the offices of the architects.

"Now, if monthly reports can be obtained of the number of draftsmen employed by the architects, we will have the most sensitive possible barometer of the attitude of the public mind. Such a barometer could be taken as an indicator for all industries insofar as the building industry reflects the true nature of business conditions generally.

"To date we have had thermometers which told the business conditions of the past and present, and we have had wind gauges which told just how bad the depression hurricane was, or was going to be, but we have had no barometer which would predict what business weather we were likely to have."

Congress took a definite step toward guarding against future depressions in enacting the Wagner Bill at the last session, according to Mr. Litchfield. This legislation contemplates the planning of public works some years in advance of actual construction so that if an emergency should arise public works activity could begin without delay.

"In the functioning of this Act," Mr. Litchfield points out, "it would be important to have prompt and accurate information as to the state of indus-

try, and particularly the building industry. A sensitive index which would accurately and quickly measure the direction and speed in which the building industry was about to move would be of the greatest general value.

"Such an index could be developed rapidly. To make it nationwide, a unified organization would probably be necessary, but in New York, where all the architects are registered by the State, and a large percentage of them are members of one or the other of the architectural societies, this index of employed draftsmen can be built up at once."

Architectural leaders in New York, including Stephen F. Voorhees, president of the New York Chapter of the Institute, feel that the Council of Registered Architects of New York would be the appropriate organization to provide the machinery necessary for the index. Senator Wagner has expressed the hope that the plan may be carried out.

"When our leaders sought to relieve the present slump by throwing large amounts of public works into the market of the building and allied industries," said Mr. Litchfield, "they found that months, even years, of planning and effort were necessary before the work could be actually started. Under the Wagner Bill the plans would be prepared so that public construction could be placed rapidly. The architectural index would be of the greatest value to the commission appointed to carry out the terms of the Act.

"Suppose, for example, that on the index for the section east of the Mississippi the line should start downward. This would indicate that the building public was experiencing a lack of confidence or a realization of over production. Or, in addition to these causes, the decline might be due to a reduction in the earning power of the United States.

"What is important is that long before the building industry would realize that matters were on the mend, and perhaps even before the actual earnings would show a very apparent increase, the upcurve of the architectural index would be definitely rising owing to a return of confidence

companies, insurance policies and friends or relatives.

In Boston the Department of Commerce investigators are working in cooperation with the Institute of Human Relations of the law school of Yale university. To date 910 cases of failure have been studied in this area.

Newark reported more than 600 bankruptcies. The report of this study is now being printed.

These studies in the field of business failures are part of the long time program of the Department of Commerce to locate causes of bankruptcies. When it is remembered that, from 1906 to 1931, the number of these business failures in the United States have risen from less than 11,000 cases to more than 60,000, the value of such a study is evident. At the present time statistics of the Department of Justice indicate that there is an annual loss of nearly a billion dollars in bankruptcies, most of which could be prevented if creditors themselves were less lax in extending credit. During the past five years more than three billion dollars have been lost in bankruptcy, and careful calculations indicate that only a little over 7 per cent of this amount is salvaged for the creditors.

A bill for a new national bankruptcy law will be introduced in Congress when it meets next month.

Westinghouse Lighting Institute, in the Grand Central Palace, New York City, has been turned over without cost to the Electrical Association of New York, Inc., by the Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa. Ralph Neumuller, former director of the Institute, will assume the managing directorship of the association, supervising both market development and electrical institute activities.

More than 1,500,000 new houses costing a total of approximately \$4,870,000,000 have been built in England and Wales since the World War, it is revealed in a report of the inter-departmental committee under the Rent Restrictions Act, forwarded to the U. S. Department of Commerce by Floyd E. Sullivan, trade commissioner at London. Funds were obtained from both public and private sources to carry on this great construction program.

The population of England and Wales has increased by about 2,000,000 in the past 10 years, and the increase of 1,500,000 houses is considered sufficient to accommodate approximately 6,000,000 people, so that surplus accommodations, after allowing for demolitions, has been provided for about 4,000,000 persons.

This apparent surplus, however, is misleading in view of the fact that the demand for individual family accommodations has increased considerably, says Southwest Builder and Contractor. Only about one-third of the new accommodations consist of houses to rent, and it is in this class that the main shortage exists at present. About 1,000,000 of the new houses were built for sale and the rest, owing to the increased cost of building and the higher standard now required, are rented at a higher figure. It is stated, than the poorer members of the working class can afford.

The nominating committee of the American Concrete Institute reports the following nominations for officers to become vacant at the next convention in Washington, March 1-4: President, S. C. Hollister; Vice-President, Arthur R. Lord; Treasurer, Harvey Whipple.

U. S. COMMERCE DEPARTMENT MAKING BANKRUPTCY SURVEY

Surveys for the purpose of "isolating the germ of bankruptcy," indicating areas of infection and prescribing antidotes for business failures are now well under way in three cities in the country, the U. S. Department of Commerce announces.

The series of surveys being conducted by the merchandising research division of the department began last spring in Newark, New Jersey. Later Boston was subjected to investigation. The announcement made recently indicates that the principal activities at present are centering in Boston and Chicago, with preliminary work already begun in St. Louis in connection with the drug store survey of that city.

More than one thousand cases have already been analyzed and hundreds more will be taken up before a report is compiled. However, it is believed that these four cities, Newark, Boston, Chicago and St. Louis, will provide excellent samples of conditions in industrial and financial centers so that inferences may be made and con-

clusions drawn as to conditions throughout the country.

Representatives of the University of Chicago and the Bureau of Foreign and Domestic Commerce are cooperating in studying the common cause of failure in the Chicago area. More than 1100 bankrupts have volunteered to tell their experience. This information from the two organizations. The investigators interviewed debtors of every type, approaching them immediately after they had filed petitions at the bankruptcy courts. Data was also obtained from creditors to serve as a check in analyzing the results.

The questions asked concern the history of the bankrupt, his interests outside his business at the time of failure, the reason for entering the particular enterprise, and the extent of his financial equipment when he became insolvent. This information includes assistance received from wholesalers, jobbers and manufacturers who started the business, as well as amounts borrowed from banks, loan

SUBSTANTIAL EXCESS OF LUMBER ORDERS OVER PRODUCTION CONTINUES

Although lumber orders have as a rule equaled or exceeded the limited cut for several months past, the most favorable ratios have been noted during the past two weeks. For the week ended November 7 new business received exceeded production by 20 per cent. It is indicated in telegraphic reports from 824 leading hardwood and softwood mills to the National Lumber Manufacturers Association. Production of these mills amounted to 116,945,000 feet and shipments were 9 per cent above this figure. A week earlier 816 mills reported orders 16 per cent above and shipments 21 per cent above a cut of 157,072,000 feet. Comparison by identical mill figures for the latest week with the equivalent period a year ago shows—for softwoods, 446 mills, production 37 per cent less, shipments 30 per cent less and orders 26 per cent less than for the week in 1930; for hardwoods, 233 mills, production 39 per cent less, shipments 21 per cent less and orders 8 per cent under the volume for the week a year ago.

Lumber orders reported for the week ended November 7, 1931, by 562 softwood mills totaled 154,158,000 feet, or 17 per cent above the production of the same mills. Shipments as reported for the same week were 139,111,000 feet, or 5 per cent above production. Production was 132,159,000 feet.

Reports from 281 hardwood mills give new business at 21,610,000 feet, or 46 per cent above production. Shipments as reported for the same week were 21,427,000 feet, or 46 per cent above production. Production was 14,756,000 feet.

Reports from 484 softwood mills given unfilled orders of 477,414,000 feet on November 7, 1931, or the equivalent of 10 days' average production. This is based upon production of latest calendar year—300-day year—and may be compared with unfilled orders of 512 softwood mills on November 8, 1930, of 744,668,000 feet, the equivalent of 14 days' production.

The 419 identical softwood mills report unfilled orders at 464,821,000 feet or the equivalent of 10 days' average production on November 7, 1931, as compared with 719,295,000 feet, or the equivalent of 16 days' average production on similar date a year ago. Last week's production of 446 identical softwood mills was 122,771,000 feet, and a year ago it was 195,894,000 feet; shipments were respectively 128,645,000 feet and 184,838,000; and orders received 141,541,000 feet and 190,839,000. In the case of hardwoods, 233 identical mills reported production last week and a year ago 12,884,000 feet and 21,288,000; shipments 19,292,000 feet and 24,490,000; and orders 18,990,000 feet and 20,728,000 feet.

A. G. C. PLANS CAMPAIGN TO SPEED BUSINESS RECOVERY

Convinced that a constructive business recovery is within the grasp of the American people if well considered recommendations are "promptly translated into action" as urged by President Hoover's Emergency Organization on Unemployment Relief, the Associated General Contractors of America has mobilized for an intensive and aggressive campaign for nation-wide adoption of its 18-point program promulgated at the recent meeting of the association's governing board, Edward J. Harding, managing director, announced yesterday.

Praising the recent special report of the President's Committee on Employment Plans and Suggestions, on which the Associated General Contractors is represented by its presidential nominee, Col. William A. Starrett of New York, Harding declared that the recommendations of the committee and those of the Associated General Contractors' governing board are similar in spirit and correlated to each other.

"The keynote of the recommendations made by each of these bodies," Harding pointed out, "is to divorce business, the people and the officials of the country from the inertia that for months has lulled them into false hopes of an easy and unaided recovery. Both emphasize the need of immediate action and the organized general contractors of the country already are out to secure it," Harding stated.

He explained that the officers and members of the association's more than 100 branches and chapters throughout the country are contacting their congressmen, mayors and other officials, city councils and business associates to thoroughly familiarize them with the sound, constructive nature of the board's recommendations and to secure support for their immediate adoption so as to forestall further human suffering and business distress this winter. The association's pro-

gram, at the request of Senator Robt. M. LaFollette, also has been submitted States Senate committee which is studying the need of a national economic council.

Mr. Harding pointed out that there is no argument among economists, public officials and business leaders as to the strategic position occupied by the construction industry in any movement toward forcing business recovery and that the recommendations made by the Associated General Contractors' board are directed at the fundamental causes that have prevented the industry from leading the country out of the depression.

"Our Association's national president, Mr. A. P. Greensfelder of Saint Louis, is now actively organizing general support for the board's program in his territory," Harding stated, "and other groups of members throughout the country have followed suit by taking the matter up locally so that united action may be had."

The board's program, which has been hailed by "Business Week" as second only to that of President Gerard Swope of the General Electric Co. in significance, and as worthy of business attention, includes among others, recommendations for maximum expenditures of local, state and federal funds that can be immediately raised to undertake a constructive program for America; extension of the powers and functions of the Federal Reserve System so as to release hoarded capital; general revaluation of construction securities; extension of Federal aid similar to that now accorded the states for highways; to provide needed schools, hospitals, eleemosynary institutions, etc.; the issuance of State bonds for public buildings as well as highways; enactment of legislation prohibiting the competition of prison labor with free labor and the entering of the Government into competition

with its citizens; the certification of construction so that more liberal financing terms may be arranged; and the licensing of contractors and the establishment of credit bureaus to determine their responsibility.

Interesting comment on business men's opinions of current employment stabilization measures is provided by the replies of 266 individuals to a questionnaire sent out by Industrial Standards Corp. to 2000 manufacturers, wholesalers, retailers, public utility executives, bankers, and economists, results of which are reported in *The Business Week*.

General wage cuts in their industries ranging from 10% to 50% of wages, were reported by 154 (58%) of the 266 individuals who replied to the questionnaire. Virtually the same number (151) reported that their own companies had cut wages, which shows an unusual correlation between industry and company cuts and raises the suspicion that cuts by their own companies may have been taken by many employers as convincing evidence that their industries had cut as whole. With 60% believing that wages should be cut, 31% that they should be maintained, 2% that they should be increased, there is also an interesting correlation among those cutting wages and those believing in cuts.

Queried on labor schedules, 54% believe working hours per day should not be shortened but 47% favor a shorter working week; 36% want shorter hours, 37% do not want shorter weeks.

Opinion on unemployment insurance was rather evenly divided with 48.5% in favor and 44.6% opposed. Of those in favor 26.4% prefer a national insurance system; 24% would like it handled by trade groups; 45% want individual company plans; 4.6% favor state operation.

General comments gave the history of wage cuts thus: consumers demand lower prices; lower prices require lower costs; lower costs actuate lower commodity prices including labor. But concerns which have been most successful during the past 2 years have found that the injection of more intelligence into the design, manufacture and sale of their products meets the customers' wishes as well as low prices so that the other elements of the cycles were not called into use.

Recent practical developments in the design and construction of concrete highways are being studied by a committee of the American Road Builders' Association. Results of the investigation will be presented at the 29th annual Convention and Road Show in Detroit, Jan. 22-25.

More concrete has been laid on rural highways than any other high type of surfacing. For many years engineers all over the country have experimented with and tested concrete.

Many designs of section, thickness, width, joints, and surface textures are in use. Which of all these designs are giving best service? What has been determined by field surveys?

The designs and the construction conditions said to be largely responsible for quality and life of concrete are thoroughly discussed in the report, which contains definite recommendations and conclusions.

Walter W. Krauter, Inspector for State Department of Professional and Vocational Standards, charged with enforcement of the contractors' licensure law, was a recent visitor on the floor of the San Francisco Builders' Exchange.

BUILDING PERMITS IN PRINCIPAL CITIES DURING MONTH OF OCT.

The Bureau of Labor Statistics of the United States Department of Labor received building permit reports from 343 identical cities having a population of 25,000 or over, for the months of September, 1931, and October, 1931. These reports indicated that there was a decrease of 6.3 per cent in the number and an increase of 2.4 per cent in the estimated cost of new residential buildings comparing October with September. In contrast, new nonresidential buildings increased 6.3 per cent in number but decreased 16.7 per cent in estimated cost. Additions, alterations and repairs increased 3 of 1 per cent in number but decreased 2.8 per cent in estimated cost. Total building operations increased 1.1 per cent in number but decreased 8.1 per cent in cost. Dwelling units were provided during October, 1931, for 7,981 families. This is

an increase of 12.0 per cent as compared with September, 1931.

Various agencies of the United States Government awarded 120 building contracts during October, which totaled \$10,349,498.

Comparing permits issued in 292 identical cities during October, 1931, and October, 1930, there was a decrease of 16.4 per cent in the number and a decrease of 34.8 per cent in the estimated cost of total building operations. New residential buildings decreased 30.4 per cent in number and 42.2 per cent in estimated cost comparing these two periods. New non-residential buildings decreased 22.8 per cent in number and 30.5 per cent in estimated cost. Additions, alterations and repairs decreased 8.7 per cent in number and 25.5 per cent in estimated cost. The number of family dwelling units provided decreased 36.0 per cent.

Table 1.—Estimated Cost of New Buildings in 343 Identical Cities as Shown by Permits Issued in September and October, 1931, by Geographic Divisions.

Geographic Division	Cities	New Residential Buildings					
		Estimated Cost			Families provided for in new dwellings		
		Sept.	Oct.		Sept.	Oct.	
New England.....	51	\$ 2,991,865	\$ 2,893,300	564	645		
Middle Atlantic.....	69	12,955,873	16,203,545	2,646	3,323		
East North Central.....	92	3,690,308	3,088,869	749	702		
West North Central.....	24	1,798,890	1,732,350	486	491		
South Atlantic.....	38	2,780,770	2,179,239	600	508		
South Central.....	34	2,102,886	1,374,619	647	545		
Mountain and Pacific.....	35	4,603,050	4,254,972	1,434	1,267		
TOTAL.....	343	\$70,923,642	\$31,671,894	7,126	7,981		
Per cent of change.....				+2.4	+12.0		
		New nonres. bldgs., est. cost.		Total const., incl. alt. & repairs estimated cost.			
		Sept., 1931	Oct. 1931	Sept., 1931	Oct., 1931	Sept., 1931	Oct., 1931
New England.....	51	\$15,309,998	\$ 3,093,962	\$19,682,493	\$ 6,977,844		
Middle Atlantic.....	69	10,448,277	18,114,901	28,011,035	40,344,103		
East North Central.....	92	7,468,204	3,959,738	10,069,573	9,896,014		
West North Central.....	24	2,889,964	1,547,553	5,738,452	3,956,985		
South Atlantic.....	38	5,248,033	4,535,151	10,470,808	8,346,182		
South Central.....	34	3,046,634	4,505,150	6,039,855	6,911,625		
Mountain and Pacific.....	35	2,415,327	3,299,282	8,841,330	9,106,766		
TOTAL.....	343	\$46,826,437	\$36,989,737	\$92,853,546	\$55,339,517		
Per cent of change.....			-16.7		-1.1		

competition from open shop crews. The carpenters reduced their wages from \$1.10 to \$1.00 per hour, and the steamfitters took a cut from \$1.50 to \$1.25 per hour. The report further stated other trades were considering taking a cut in their wages.

At Sioux City, Iowa, the bricklayers and carpenters both voluntarily reduced their wages from \$1.50 to \$1.25 per hour and the latter from \$1.25 to \$1.00 per hour. It was also reported that the general contractors in Philadelphia reduced carpenter wages in that city from \$1.25 per hour to maximum of \$1.00 per hour and a minimum of 85c per hour.

The most drastic action taken regarding wage cuts is reported from Des Moines, Iowa, where the Builders Association of that city advised the Building Trades that they were not going to continue the old action of wages and announced a reduction effective October 31 to continue until December 1, 1932. They gave as their reason that outside competition prevented them from getting any work and that they thought by their action they were really preserving trade unionism in Des Moines. Lathers who were getting \$1.37 1/2, were cut to \$1.00; carpenters from \$1.12 1/2 to \$1.00; cement finishers, iron workers and holsting engineers from \$1.25 to \$1.00 per hour; painters from \$1.50 to \$1.00 per hour; bricklayers and plasterers from \$1.50 to \$1.25 per hour, common labor being cut from 67 1/2c to 55c per hour.

In Pittsburgh there is considerable sentiment among contractors for a reduction in wages. In Chicago many employers are demanding that action be taken for a reduction of wage rates. New York contractors, it is reported, are contemplating asking the Building Trades Craftsmen to accept a decided decrease in wage rates, preliminary to the making of new wage agreements for the coming year.

The builders of Boston are petitioning twenty-five thousand building tradesmen, through the building trades council, to agree upon a reduction of wages effective at once. Joint committees are meeting now to consider the matter.

The whole country appears to have come to the conclusion that the only salvation for the construction industry is to readjust wages, that being recognized as the one important condition which must be remedied before there will be any perceptible increase in the volume of construction in any city in the country.

RE-ADJUSTMENT OF WAGES IN BUILDING CRAFTS TAKING PLACE

"Reports from many cities throughout the country show an increased tendency to listen to the call that if the construction industry desires to get back to normalcy a re-adjustment of wage rates paid building trades mechanics must take place at once," says the Building Construction Employers' Association.

"High cost of labor is apparently one of the leading factors in preventing a new lease of life for the industry. The building public is, they say, on strike, and by a comparison of the cost of commodities now and two years ago, many believe that the prevailing wage rates are not justified."

The recently issued national wage scale of the Builders' Association of Chicago disclosed the fact that many trades in many cities, realizing the conditions, voluntarily agreed to a reduction of wage rates; almost every trade in the industry being included in the compilation.

The painters in Baltimore dropped from \$1.50 to 90c per hour; in Portland, Ore., from \$1.22 1/2 to \$1.10; in Tacoma from \$1.12 1/2 to \$1.10. The bricklayers are reported as accepting a reduction in wages at Denver from \$1.62 1/2 to \$1.50; in Detroit from \$1.57 1/2 to \$1.25 and \$1.50 per hour; in New

Orleans from \$1.50 to \$1.00; in Tacoma from \$1.50 to \$1.37 1/2 and at Toledo from \$1.62 1/2 to \$1.50. The plasterers at Detroit dropped from \$1.62 1/2 to \$1.47 1/2; in Memphis from \$1.62 1/2 to \$1.25 per hour; in New Orleans from \$1.50 to \$1.25; in Salt Lake City from \$1.37 1/2 to \$1.20 and in Toledo from \$1.62 1/2 to \$1.50 per hour. At Atlantic City the steamfitters' and plumbers' rate dropped from 1.50 to \$1.25, while at Tacoma the rate was reduced from \$1.25 to \$1.00. The carpenters also felt the pinch of hard times by having their wages in Detroit cut from \$1.25 to 80c per hour; at Louisville they were reduced from \$1.12 1/2 to \$1.00; in Sioux City, Iowa, the bricklayers took a wage cut from \$1.50 to \$1.25 and the carpenters from \$1.25 to \$1.00. Other trades in the list of twenty cities showing decreases took a corresponding cut, while about twenty more are quoted as showing a decrease in wages in certain individual trades.

The Landis Award Contractors in Chicago recently announced a reduction in wages to all mechanics they employ, the rate being almost universally set at \$1.00 per hour. Announcement was made recently that two union trades in Baltimore had accepted a voluntary cut in wages to meet the

Protective Paint For Metals Perfected

Announcement has been made by the American District Steam Company North Tonawanda, N. Y., of the perfection, after more than two years' experimenting and testing, of a protective paint for use on steam and hot water pipe lines. The product has been named Adco Pipe-Kote 505. According to the manufacturer, it provides several important advantages over ordinary pipe paints in that it is impervious to any degree of heat generated by steam; is practically immune to the action of moisture, dilute acids and alkalis; and, while producing an extremely hard, tenacious coating, is sufficiently elastic to expand and contract with the pipe without cracking or peeling.

While Pipe-Kote is especially recommended for use on steam and hot water lines, it works with equal effectiveness on gas and water mains, stacks, boiler fronts, bridges and all other surfaces exposed to extreme or rapid changes of temperature and atmospheric conditions.

FIVE BILLION DOLLAR PROGRAM OF PUBLIC WORKS IS PROPOSED

A five billion dollar bond issue by the federal government, to be used for construction of public works, principally roads, was urged by Dr. John A. Ryan of the National Catholic Welfare Conference before the "a Follette committee on economic planning last Tuesday.

Dr. Ryan would have the government pay interest on the bonds with revenue from higher income taxes on wealth. He estimated that such a program would bring employment directly or indirectly to between 4,000,000 or 5,000,000 of the unemployed.

"If this plan is not adopted, business will lose much more during the coming year than it will be called on to pay in higher taxes," said Ryan.

He scored the idea that the United States cannot emerge from the depression until there is an improvement in business conditions throughout the world.

He pointed out that American exports are only about 10 per cent of American products in normal times and calculated from this that one-sixth of the recession in business in this country can be accounted for by the depression abroad.

The committee will recommend that the government assume control of national economic planning. It will suggest creation of an economic "staff" or board, to be selected by the Presi-

dent, upon advice of business, labor and other interests.

It will urge that the board include problems of consumption in its studies as well as problems of production.

Dr. J. M. Clark, professor of economics at Columbia University and a member of the progressive conference committee, disclosed these facts while testifying before the committee studying economic planning.

Dr. Clark's views were in sharp opposition to those expressed by Henry L. Harriman, chairman of the committee on continuity of business and employment of the United States Chamber of Commerce.

Harriman and his committee favor creation of an unofficial economic council, to be selected and supported by business and agriculture. His board would have no authority, but would "depend for its standing on the respect of the community."

At the same time he suggested modification of the anti-trust laws to permit pools of contracts to limit production. After such contracts had been in operation for a period of time he would have his economic board study them to see if they had led to improper prices. To do this, he conceded the board would have to determine proper corporation earnings and wage levels.

NO STATE LICENSE— TWO FACE SENTENCES

In Judge Gale's Court at Pleasanton, last Tuesday, Judge Clark of Livermore presiding, Ray Coney and Marcel Marquis were found guilty of practicing architecture without a certificate, in violation of the act to regulate the practice of architecture in California, according to H. H. Guttererson, secretary of the State Board of Architectural Examiners.

As representatives of the Melrose Steel Company, both Coney and Marquis are held to answer to the Superior Court, the case now being before Judge J. J. Allen on a conspiracy to defraud charge in connection with the contracting for a number of oil stations.

The Pleasanton cases also found Coney guilty of violation of the State Corporation Act in representing the Melrose Steel Company which company was not licensed to do business in the state.

The prosecution was in the hands of Assistant District Attorney Harry E. Styles, the State being represented by A. L. Bolton. Sentences will be pronounced on Nov. 24th.

LUMBERMEN WILL ELECT IN FEBRUARY

Election of officers for the California Retail Lumbermen's Association was postponed for 90 days by the board of directors in the final convention session at Oakland last Saturday.

The reason for this action, H. A. Lake, president, said, was to give the new board of directors chosen Friday night an opportunity to aid in selecting officers.

The outgoing and incoming boards will meet together in Oakland in February to elect officers of the association.

A president and two vice-presidents, who will represent northern and southern California, will be chosen.

The convention came to a formal conclusion Friday night with a dinner dance at Hotel Oakland.

Directors chosen Friday night are: S. E. Dalton, Oakland; Paul M. Mermer, Palo Alto; Arthur Hayward, Salinas; W. A. Bales, Hollister; Roy H. Myer, Ventura; Ralph Duncan, Merced; A. J. Stoner, Sattelle; Henry M. Adams, Anaheim; R. C. Doucherty, Larkspur, and Fred Shapin, San Bernardino.

TULARE COUNTY SUPERVISORS REFUSE TO PASS UNION SCALE

Adoption of a scale of wages, advocated by Archie Mooney, field representative of the State Building Trades Council, has been temporarily postponed by the supervisors of Tulare County. The county board is of the belief that the scale proposed by the union representative is higher than that "actually paid" throughout the county.

A partial list of the wages proposed is published herewith—the first column of figures being the per diem wage proposed by the county supervisors and the second, those advocated by the building trades unions:

Asbestos workers	\$ 8.00	\$10.00
Bricklayers	10.00	12.00
Hod carriers	7.00	8.00
Carpenters	7.00	8.00
Linoleum workers	7.00	8.00
Cement finishers	7.00	8.00
Electrical workers	8.00	10.40
Engineers, stationery	4.00	9.00

Pile driver engineers	6.00	10.00
Firemen and apprentices	4.00	7.00
Glass workers	7.00	8.00
Granite setters	10.00	12.00
Granite cutters	7.00	9.50
Hardwood floormen	7.00	8.00
Houseworkers	7.00	8.00
Ironworkers (arch)	7.00	9.00
Laborers, common	3.50	5.00
Laborers, cement	4.00	6.00
Lathers	8.00	10.00
Layout men	7.00	8.50
Cabinet men	7.00	7.50
Sash and door men	7.00	7.50
Painters	7.00	8.00
Plasterers	10.00	12.00
Hod carriers	6.00	8.00
Plumbers	8.00	10.00
Roofers	7.00	8.00
Sheet metal workers	8.00	10.00
Shovel operators	6.00	10.00

Double time for Sundays and holidays is asked. The supervisors make no provision for overtime.

SAN JOSE BUILDING PERMITS FOR OCTOBER, 1931, CLASSIFIED

New Work	Permits	Value
Residences, 1-family	14	\$ 57,900.00
Residences, 2-family	2	13,500.00
Residences, multi-family	2	21,000.00
Business building	1	4,000.00
Gasoline service stations	2	2,000.00
Public structure, subway	1	160,000.00
Private garages	26	2,330.00
Miscellaneous operations	3	235.00
TOTALS	51	\$260,965.00
Alterations	Permits	Value
To residential buildings	24	\$ 9,235.00
To business buildings	15	11,925.00
Miscellaneous operations	4	165.00
TOTALS	43	\$ 21,325.00
Grand Totals, buildings	94	\$282,290.00
Signs, etc.	20	10,000.00
TOTALS		\$292,290.00

CONTRACTOR LICENSE CASE IS DISMISSED

Judge Stewart Magee of the Sixth Township Justice Court at Bakersfield dismissed the case against J. R. Rogers, Bakersfield contractor, who was charged with operating without a state contractor's license.

Contractor Rogers complied with the state requirements between the time of his arrest and hour of his trial by applying for a license, Fred J. Rich, inspector for the State Department of Professional and Vocational Standards, told District Attorney Ray Bailey, who immediately requested Judge Magee to dismiss the case in the interests of justice. Trial of the Bakersfield contractor was to have been heard last Wednesday in Justice Court. A jury impaneled for the trial was dismissed.

Building News Section

BONDS

Bond Election Planned.
HIGH SCHOOL. Cost, \$250,000
RIO LINDA, Sacramento Co., Calif.
Rio Linda Blvd. N Grand Ave.
High school plant.
Owner—Grant Union High School Dist.
(James Purcell, clerk).

Architect—Starks & Flanders, Forum
Bldg., Sacramento.
Bond election will probably be held
December 19.

SAN MATEO, San Mateo Co., Cal.—
Election will be called shortly by the
trustees of the Burlingame and San
Mateo High School Districts to vote
bonds of \$260,000 to finance construction
of alterations and additions to the
San Mateo and the Burlingame
high schools.

NAPA, Napa Co., Cal.—Election will
be held December 18 in the Mt. George
School District to vote bonds of \$20,-
000 to finance erection of a new
school. The district, recently organ-
ized, comprises the Coombs, Franklin
and Harmony School Districts. Trust-
tees of the district are: Wm. Watt,
J. E. Godley, George A. Anderson, C.
S. Park and John Wallis.

CHURCHES

Contract Awarded.
CHURCH. Cost, \$15,000
TRACY, San Joaquin Co., Cal. Eaton
and Parker Streets.
One-story frame and stucco church.
Owner—Methodist Episcopal Church,
Rev. E. L. Fisher, pastor, Tracy.
Architect—W. D. Coates, 626 Lowell
Bldg., Fresno.
Contractor—Johnson Bros., Tracy.

Bids Opened—Held Under Advisement
REMODEL CHURCH. Cost, \$4000
OAKLAND, Alameda Co., Cal. 26th
and Harrison Streets.
Alterations to church interior (new
pews, etc.)
Owner—First Congregational Church,
Premises.
Architect—W. H. Ratcliff, Jr., Cham-
ber of Commerce Bldg., Berkeley.
Announcement will be made within
a few days.

MERIDIAN, Sutter Co., Cal.—Meri-
dian Methodist Church was partially
destroyed by fire Nov. 23. Estimate of
damage is \$3,500. Structure will be
rebuilt in the near future. Rev. J. J.
Goodenough, pastor.

FACTORIES AND WARE- HOUSES

Additional Sub-Contracts Awarded.
ALTERATIONS. Cost, \$6000
SAN FRANCISCO. No. 1000 Bran-
nan Street.
Alterations to warehouse (steel canopy
corrugated iron work, iron plat-
form, etc.)
Owner—Western States Grocery Co.
Engineer—Couchot & Rosenwald, 535
Market St., San Francisco.
Contractor—Barrett & Hlip, 918 Har-
rison St., San Francisco.
Sheet Metal—Western Furnace &
Cornice Co., Lansing and Essex
Sts., San Francisco.

Painting—J. H. Devert, 912 Harrison
St., San Francisco.
Other awards previously reported.

OAKLAND, Cal.—Chas. W. McCall,
architect, 1404 Franklin St., is in the
market for catalogs and data on
laundry machinery and equipment.

Bids Opened.
DAIRY. Cost, \$60,000
IONE, Amador Co., Cal.
Complete dairy unit at Preston School
of Industry, involving (A) Cream-
ery unit; (B) Milking Barn.
Owner—State of California.
Architect—Russell G. DeLappe, 1710
Franklin St., Oakland.

The Creamery Unit will be one-story
with reinforced concrete foundations
and floor, brick walls, wood roof
construction and asbestos shingle roof.
The Milking Barn will be one-story
with reinforced concrete foundations
and floor, brick walls, wood roof
construction and corrugated iron roof.

Following is a complete list of bids:
General Work
Guth & Fox, 1528 27th Street,
Sacramento \$22,376
Lindgren and Swinerton, Inc.,
Sacramento 22,493
The Minton Co., Palo Alto 24,980
George Hudnutt, Sacramento 25,423
J. A. Hunt, San Diego 26,515
Holdener Const. Co., Sacto 27,860
J. E. Branagh, Oakland 30,600

Electric
Reliable Elevator Works, 1217
7th St., Sacramento \$1,745
W. B. Baker, San Francisco 1,772
T. L. Rosenberg, Oakland 1,795
H. F. Haverkamp, San Francisco 1,795
George Woolf, Oakland 1,859
Eddy Electric Co., Stockton 1,926
Luppen & Hawley, Sacramento 2,163
Carl Stolling, Santa Rosa 2,171

Refrigeration
York Ice Machine Co., 234 9th
St., San Francisco \$2,740
Carrier Eng. Co., San Francisco 3,140
Baker Ice Machine Co., S. F. 3,487
Creamery Package Co., S. F. 3,888

Insulation
Allyn L. Burr Co., 11th and R
Sts., Sacramento \$1,990
Western Asbestos Co., S. F. 2,184

Heating
Fred. Snook, 596 Clay Street
San Francisco \$ 6,277
George Bell, Oakland 7,423

SKILSAW Portable Electric Hand
Saws (4 models).

SKILSAW Portable Electric Sander

SKILSAW Radial A Arm Attach-
ments.

SYNTRON Portable Electric Ham-
mers (4 models, motor-
less).

MALL Flexible Shaft Machines (50
models).

Electric Drills, Grinders, Buffers,
Routers, Lock Mortisers.

PETER H. NELSON

Labor Saving Portable Electric
Tools.

1248 Mission St. UNDERHILL
San Francisco 7662
SALES . SERVICE . RENTALS

Schreiber Bros., Oakland 10,997

Plumbing
J. A. Fazio, 402 Castro Street,
Oakland \$2,398
Miller-Hays Co., Stockton 2,597
A. D. Ray, Stockton 2,599
Fred. Snook, San Francisco 2,730
Bids held under advisement.

Bids Opened—Held Under Advisement
CANNERY. Cost, Approx. \$50,000
GILROY, Santa Clara Co., Cal.
One-story reinforced concrete and
wood frame cannery (265x140 ft.).
Owner—Filice & Perrelli, Gilroy and
Richmond.
Architect—Wm. Knowles, 1214 Web-
ster St., Oakland.
Announcement will be made within
a few days.

Roofing Contract Awarded.
PACKING PLANT. Cost, \$—
SAN JOSE, Santa Clara Co., Cal.
Berryessa Road.
Steel and cork meat packing plant (82
by 38 feet).
Owner—San Jose Meat Co. (Adrian
Lassars), Berryessa Road, San
Jose.

Plans by Eng. Dept. of Van Fleet,
Frear Co., 557 Howard St., San
Francisco.

Contractor—A. W. Cobby, 426 Homer
St., Palo Alto.

Roofing—Fred Hayden, 369 Stockton
Ave., San Jose.

Contract Awarded.
PACKING HOUSE. Cost, \$50,000
RIVERSIDE, Cal. Fourth and Vine
Streets.

One-story and basement concrete and
brick packing house (80x150-ft.).
Owner—Union Pacific System, Pacific
Electric Bldg., Los Angeles.
Plans by Eng. Dept. of Owner.
Contractor—T. C. Pritchard, 5260
Magnolia Ave., Riverside.

Contract Awarded.
RECEIVING BLDGS. Cost, \$—
LOS ANGELES, Cal. 1925 E Vernon
Avenue.

Two 1-story steel frame and masonry
receiving buildings (32x155 and 91
x 93 ft.; composition roofing, steel
sash, metal doors, concrete floors,
etc.)

Owner—Safeway Stores, 1925 E Ver-
non Ave., Los Angeles.
Associated Architects and Engineers—
Couchot, Rosenwald & Roeth, 525
Market St., San Francisco, and
1604 Franklin St., Oakland.
Contractor—Clinton Const. Co., 541 S
Spring St., Los Angeles.

Preparing Plans.
FACTORY. Cost, \$—
LOS ANGELES, Cal. Gage Ave. and
Aviation Blvd.

One-story reinforced concrete factory
(80x200 ft.).
Owner—Loose-Wiles Biscuit Co., Com-
merce Bldg., Kansas City, Mo.
Architect—Claud Beelman, Union Bk.
Bldg., Los Angeles.

Following erection of the first unit,
the main factory will be built. It will
be five stories and basement, 160x270
ft. in area, and will be of class A re-
inforced concrete construction.

FLATS

Sub-bids Wanted.
FLATS Cost, \$8000
SAN FRANCISCO. E Prospect 160 S Virginia.
 Two-story and basement frame and stucco flats (2 flats).
 Owner—J. Begley, 1206 Valencia St.
 Architect—Not Given.
 Contractor—H. S. Mehnberger, 343 4th Street.
Grading—L. Devincenzi and Co., 148 Blake Street.
 Sub-bids are wanted on all other portions of the work.

To Be Done By Day's Work By Owner.
FLATS Cost, \$7500
SAN FRANCISCO. E Webster St. 100 S Beach.
 Two-story and basement frame and stucco flats (2 flats).
 Owner & Builder—W. R. Reiman, 281 Mallorea Way, San Francisco.
 Plans by Owner.

GARAGES AND SERVICE STATIONS

Contract Awarded.
SERVICE STATION Cost, \$3500
FRESNO. Fresno Co., Cal.—Orchard and Tulare Avenue.
 Service station, pump canopy, rest and lunch rooms.
 Owner—George Kaehler, 913 Belmont Ct., Fresno.
 Architect—Not Given.
 Contractor—J. T. Cowan, 433 Roosevelt St., Fresno.

Preparing Plans.
SAN DIEGO. Cost, \$—
OAKLAND, Alameda Co., Cal. Broadway.
 One-story reinforced concrete car shelter (capacity of 26 cars) and reconstruction of garage for automobile salesroom.
 Owner—Withheld.
 Architect—Chas. McCall, 1404 Franklin St., Oakland.
 Bids will be asked in about one week.

GOVERNMENT WORK AND SUPPLIES

Additional Prospective Bidders.
POST OFFICE EXTENSION \$—
ALAMEDA, Alameda Co., Cal.
 Fireproof extension to Post office and remodel present quarters.
 Owner—United States Government.
 Plans by Supervising Architect's Office, Treasury Dept., Washington, D. C.
 Following are additional contractors who have secured plans. Others reported Nov. 18.

General Work

W. E. Lyons, 1st National Bank Bldg., Oakland.
 Sullivan & Sullivan, 3927 39th Ave., Oakland.
 C. M. Lundberg, Railway Exchange Bldg., St. Louis.
 Barrett & Hilp, 918 Harrison St., San Francisco.
 Charles Weltz's Sons, Inc., 713 Mulberry St., Des Moines, Iowa.
 R. J. Chute Co., 2506 W. Santa Barbara Ave., Los Angeles.
 J. S. Hannah, 268 Market St., San Francisco.
 Young & Horstmeier, 461 Market St., San Francisco.
 Charles D. Vezey & Sons, 3220 Sacramento St., Berkeley.
 Geo. Petersen, Box 104, San Leandro
Elevators
 American Elevator & Machinery Co., 500 E. Main St., Louisville.
 General Electric Co., Schenectady, New York.

Westinghouse Electric Elevator Co., 30th and Walnut Sts., Philadelphia.
 A. B. See Elevator Co., Washington
 Haughton Elevator Co., Washington
 Elevator Locks Co., 119 N. Washington St., Peoria, Ill.
 Reliance Elevator Co., 212 Kinzie St., Chicago.
 Jeffrey Mfg. Co., Box 510, Raleigh, N. C.
 Noyes, Roach & Co., Syndicate Trust Bldg., St. Louis.

SUNNYVALE, Santa Clara Co., Cal.—Until December 16, 11 A. M., under Specification No. 6704, bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for grading and graveling and oil treating an existing road at the Naval Air Station at Sunnyvale. Specifications obtainable from Commandant of the Twelfth Naval District, 100 Harrison St., San Francisco, on deposit of \$10, returnable, checks for same to be made payable to the Chief of the Bureau of Yards & Docks.

LIVERMORE, Alameda Co., Cal.—The San Francisco Construction Co., 3159 Fillmore St., San Francisco, desires sub bids on all portions of the work in connection with the construction of the stables to be erected in Livermore for the U. S. Government for which bids will be opened Nov. 30th by the Supervising Superintendent of Construction at Palo Alto.

ALAMEDA, Alameda Co., Calif.—The San Francisco Construction Co., 3159 Fillmore St., San Francisco, desires sub bids on all portions of the work in connection with the construction of the post office building to be erected in Alameda for the U. S. Government, for which bids will be opened December 4.

Preparing Preliminary Plans.
POST OFFICE Cost, \$150,000
MARYSVILLE, Yuba Co., Cal.—NE Fourth and C Sts. (160x160 ft).
 Class A Post Office building.
 Owner—United States Government.
 Architect—J. J. Donovan, 1916 Broadway, Oakland.

SAN FRANCISCO—Constructing Quartermaster, Fort Mason, is preparing plans for improvements to water system, including:
 (1) construct pump house;
 (2) 2000 lln. ft. cast iron pipe, valves; 1 water meter and fittings;
 (3) 1 1000 g. p. m. centrifugal pump and motor.

It is expected that bids will be asked the latter part of this month.

BOISE, Idaho—Connor & Ripstap, Wichita, Kansas, at \$12,388 awarded contract by Supervising Superintendent of Construction, Palo Alto, for installation of additional boilers at Boise. Complete list of bids published October 1.

Bid Call Cancelled.
PARTITIONS Cost, \$—
SAN FRANCISCO. No. 100 Harrison Street.
 Re-arrange offices (Specification No. 6741).

Owner—United States Government.
 Plans by Public Works Officer, Mare Island Navy Yard, Mare Island.
 Due to change of plan, the plans and specifications on the above mentioned work have been cancelled and the opening of bids scheduled for November 25 will not take place. The project will probably be advertised along different lines some time after the first of the new calendar year.

MARE ISLAND, Calif.—Q. R. S. Neen Corp., 296 7th St., San Francisco at \$1,335 awarded contract by Public Works Officer, Mare Island Navy Yard to install an illuminated airway marker located on the roof of Building No. 390.

MARCH FIELD, Cal.—Bennett & Taylor, 736 E. 73rd St., Los Angeles, awarded contract at \$14,850 by Col. W. C. Gardenhire, Constructing Quartermaster, March Field, for furnishing and installing a hydraulic gasoline fueling system at March Field.

SAN DIEGO, Cal.—Until December 3, 11 A. M., under Specification No. 6730, bids will be received by the Public Works Officer, Eleventh Naval District, to improve landing field at the Eleventh Naval District near Del Mar. The work will consist of the grading and miscellaneous work in connection therewith, of approximately 80 acres of land to be used as a landing field for airplanes. Plans obtainable from the Public Works Officer, Foot of Broadway, San Diego, on deposit of \$10, returnable, checks for same to be made payable to the Chief of the Bureau of Yards and Docks.

ALAMEDA, Alameda Co., Cal.—K. E. Parker, 135 South Park, San Francisco, desire sub-bid on all portions of the work in connection with the construction of the Alameda Post Office, for which bids will be opened in Washington, D. C. on December 4.

MARCH FIELD, Riverside Co., Cal.—Until 11 A. M., Dec. 15, bids will be received by Col. W. C. Gardenhire, Constructing Quartermaster, March Field, for type A-9 floodlight installation at March Field in accordance with specifications NLS 21 and NLS 17 X-40031-A-40032. Plans may be obtained from the constructing quartermaster upon deposit of \$5. Guarantee in the sum of 10% must accompany each bid. The work will include the installation of a bank of Air Corps floodlights, including wiring, bridge assemblies, transformer vault, cable and concrete manholes, conduit lines and vaults.

MARCH FIELD, Riverside, Calif.—Until 11 A. M., December 10 (tentative date) new bids will be received by Col. W. C. Gardenhire, Constructing Quartermaster, March Field, for the construction of a combined gymnasium and theater building at March Field; specification No. 9023-D. Further information may be obtained at March Field. The plans will be available to bidders on November 21. All bids received on October 13 were rejected and revisions have been made to the plans, consisting principally of the omission of several bays. The building will be a one-story structure and will contain a gymnasium, theater, locker and shower rooms and toilets; steel frame construction.

SAN DIEGO, Cal.—Until Dec. 1, 11 A. M., under Spec. No. 6756, bids will be received by Public Works Officer, Eleventh Naval District, San Diego, for dredging at the Naval Operating Base (Destroyer Base) San Diego. The work will consist of the dredging of approximately 15,000 cubic yds. of materials in an area south of the approach to the marine railway at the Destroyer Base. Specifications obtainable from the Public Works Officer, San Diego, on deposit of \$10, returnable, checks for same to be made payable to Chief of the Bureau of Yards and Docks.

Plans Being Figured—Bids Close Dec.

INSPECTION STATION Cost, \$—
OTISVILLE, Washington.
 Construct U. S. Inspection Station.
 Owner—United States Government.
 Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Plans Being Figured.

RUTTFE, Montana. Cost, \$230,000
 Class A Postoffice.
 Owner—United States Government.
 Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Date for opening bids has not been definitely fixed but it is probable they will be opened on December 23.

Complete Bid Listing—Low Bidder Previously Reported.

POST OFFICE Cost, \$—
PORT ANGELES, Washington.
 Class A Post Office.

Owner—United States Government.
 Plans by Supervising Architect, Treasury Dept., Washington, D. C.
 Low Bidder—MacDonald Building Co., 1517 S Tacoma Way, Tacoma, (1) sandstone, \$123,972 (2) terra cotta, \$122,825.

Item 1, sandstone; 2, terra cotta.
 MacDonald Building Co., Tacoma, Wash., item 1, \$123,972; 2, \$122,825.
 Henrikson-Alstrom Const. Co., Seattle, Wash., item 1, \$132,400; 2, \$128,280.

Levering-Longbotham Co., Inc., St. Paul, Minn., item 1, \$129,829; 2, \$128,629.

O. F. Larson & Son, Tacoma, Wash., item 1, \$129,260; alt. bid; 2, \$128,000.

Western Const. Co., Seattle, Wash., item 1, \$130,000; 2, \$125,800.
 Charles Weltz's Sons, Inc., Des Moines, Iowa, item 1, \$132,100.00; 2, \$130,700.

Stewart S. Mullen, Port Angeles, Wash., item 1, \$133,916.72; 2, \$129,905.72.

A. F. Mowat, Seattle, Wash., item 1, \$133,500; 2, \$130,500.
 Halbauer—La Bahn, Inc., item 1, \$136,000; 2, \$132,000.

Peter J. Gjarde, Seattle, Wash., item 1, \$133,696; 2, \$131,196.

Hallstrom and Hallstrom, Seattle, Wash., item 1, \$135,353; 2, \$137,000.

Christman & Snyder, Seattle, Wash., item 1, \$138,657; 2, \$134,657.

Pacific States Const. Co., Seattle, Wash., item 1, \$138,684; 2, \$134,624.

Shapiro Bros., N. Y. City, item 1, \$139,400; 2, \$138,000.

Walter & Brady, Seattle, Wash., item 1, \$142,677; 2, \$138,517.

Peter I. Hansen, Tacoma, Wash., item 1, \$145,045; 2, \$140,830.

Seattle Const. Co., Port Angeles, Wash., item 1, \$148,313.13; 2, \$144,313.13.

Commercial Const. Co., Seattle, Wash., item 1, \$148,448; 2, \$146,200.

West Coast Const. Co., Seattle, Wash., item 1, \$149,374; 2, \$145,165.

Charles C. Cawsey, Seattle, Wash., item 1, \$160,519; 2, \$155,696.

Complete Bid Listing.
ADDITION Const. Price, \$340,600
WEST LOS ANGELES, Los Angeles Co., Cal.

Addition to Wadsworth Hospital and connecting corridors, including walks, grading and drainage.
 Owner—United States Government.

Plans by Construction Department, U. S. Veterans' Bureau, Arlington Bldg., Washington, D. C.

Low Bidder—Murch Bros., Railway Exchange Bldg., St. Louis, Mo.

This work will include excavating, reinforced concrete construction, hollow tile, brickwork, cut stone, ornamental terra cotta or artificial stone, marble work, floor and wall tile, rubber tile, compressed asphalt tile or

hudson floors, terrazzo, iron work, steel sash, steel stairs, steel shelving and cabinets, tile and built-up roofing, roof ventilators, metal lathing, plastering, carpentry, insect screens, painting, glazing, hardware, plumbing, heating and ventilating, electrical work, electric elevators, nurses' call system, fire alarm system, and connections to outside sewer, water, gas, steam and electrical distributing system.

Following is a complete list of bids received:

Item 1, general construction; alt. A, ded. for omission of roughing in room 011; B, ded. for ornamental terra cotta; C, ded. for cast stone; D, ded. for compressed asphalt tile floor; E, add for spring balanced steel windows; 2 and 2a, elevator.

Murch Bros. Constr. Co., St. Louis, item 1, \$340,600; alt. A, \$1500; B, \$500; C, \$5000; D, \$500; E, add \$5000; 240 days.

H. Mayson, Los Angeles, item 1, \$343,200; alt. A, \$1732; B, \$2445; C, \$10,000; D, \$1000; E, add \$9100; 300 days.

Sarver & Zoss, Inc., Los Angeles, item 1, \$346,300; alt. A, add \$300; B, \$4200; C, \$4500; D, \$1050; E, add \$6800; 280 days; item 2, \$17,400; alt. A, \$1200; 450 days.

Robt. E. McKee, El Paso, Texas, item 1, \$350,100; alt. A, \$1900; B, \$500; C, \$7500; D, \$1300; E, add \$6600; 225 days.

R. J. Chute Co., Los Angeles, item 1, \$353,338; alt. A, \$1350; B, \$1000; C, \$5500; D, \$1000; E, ded. \$6300; 360 days.

John Largura, Gary, Ind., item 1, \$354,000; alt. A, \$500; B, \$1000; C, \$1000; D, \$500; E, add \$100; 280 days.

Herbert M. Baruch Corp., Ltd., Los Angeles, item 1, \$354,379; alt. A, \$1924; B, \$1140; C, \$6580; D, \$1010; E, add \$840; 210 days.

Mitty Bros. Constr. Co., Los Angeles, item 1, \$357,525; alt. A, \$1201; B, \$7500; C, \$9150; D, \$900; E, \$8200; 180 days; item 2, \$20,400; alt. A, \$1650.

Isadore Carroll, Pasadena, item 1, \$358,826; alt. A, \$1175; B, \$4020; C, \$10,500; D, \$1042; E, add \$10,945; 230 days.

Jacobson Constr. Co., Salt Lake City, Utah, item 1, \$362,000; alt. A, \$1850; B, \$1100; C, \$9600; D, \$1000; E, add \$5500; 300 days.

Floyd Shafner, Los Angeles, item 1, \$364,000; alt. A, \$3000; B, \$50; C, \$6000; D, \$1000; E, add \$10,000; 225 days.

L. E. Dixon Co., Los Angeles, item 1, \$364,500; alt. A, \$1600; B, \$500; C, \$7000; D, \$1000; E, add \$7000; 225 days.

R. E. Campbell, Los Angeles, item 1, \$365,000; alt. A, \$330; C, \$5000; D, \$1000; E, add \$9000; 350 days.

James J. Burke & Co., Salt Lake City, Utah, item 1, \$370,000; alt. A, \$370; B, \$870; C, \$8200; D, \$6500; E, add \$10,000; 300 days.

J. F. Atkinson, Los Angeles, item 1, \$374,036; alt. A, \$1935; C, \$8000; D, \$975; E, add \$11,650; 260 days.

Los Angeles Contracting Co., Los Angeles, item 1, \$377,000; alt. A, \$2000; B, \$2000; C, \$5000; D, \$400; E, add \$7000; 240 days.

Andy Sordel, Long Beach, Calif., item 1, \$377,145; alt. A, \$1800; B, \$3500; C, \$10,000; D, \$500; E, add \$9200; 270 days.

MacDonald & Kahn, San Francisco, item 1, \$379,000; alt. A, \$8000; B, \$600; C, \$6500; D, \$1000; E, add \$3600; 355 days.

George Mitty, Los Angeles, item 1, \$385,490; alt. A, \$2177; B, \$2000; C, \$2650; D, \$1000; E, add \$8313; item 2, \$20,400; alt. A, \$1650; 300 days.

Orndorff Construction Co., Los Angeles, item 1, \$387,000; alt. A, \$1500; B, \$1500; C, \$9500; D, \$1000; E, add \$2700; 210 days.

Weymouth-Crowell Co., Los Angeles, item 1, \$401,800; alt. A, \$1000; B, \$500; C, \$8000; D, \$1000; E, add \$7500; 180 days.

J. F. Kohler, Los Angeles, item 1, \$424,677; alt. A, \$2065; B, \$4400; C, \$10,000; D, \$800; E, add \$5630; 350 days.

Kimball Bros. Co., Council Bluffs, Iowa, item 2, \$17,400.

Otis Elevator Co., Washington.

Item 2, \$18,644; alt. A, \$2975.

Consolidated Steel Corp., Los Angeles, item 2, \$20,470; alt. A, \$1650.

Beckwith Elevators, Ltd., Los Angeles, item 2, \$21,000.

Bids held under advisement.

SAN DIEGO, Calif.—Johns-Manville Sales Corp. Spreckels Theatre Bldg., San Diego, under Specification No. 6647 at \$5,726.63 awarded contract by Public Works Officer, Eleventh Naval District, for acoustical treatment of a portion of the Physical Instruction, Gymnasium and Welfare Building at the Naval Operating Base (Alt Station) San Diego. Complete list of bids follows:

Coast Insulating Co., 634 S Western Ave., Los Angeles, \$5,649.40.

Johns-Manville Sales Corp., Spreckels Theatre Bldg., San Diego, (a) \$5,455.57; (b) \$5,726.63.

Anton Johnson Co., Inc., 921 Monterey Road, South Pasadena, \$5,779.

J. A. Hunt, P. C. Box 146, East San Diego, (a) \$6,150; (b) \$5,795.

R. H. Jones Co., 504 K Ave., National City, Calif., \$5,865.

Fred F. Greenfield Co., 7310 S Figueroa St., Los Angeles, \$6,380.

Fred F. Greenfield Co., 7310 S Figueroa St., Los Angeles, \$6,720.

MARCH FIELD, Riverside Co., Cal.—Until 11 A. M., Dec. 4, bids will be received by Col. W. C. Gardenhire, Constructing Quartermaster, March Field, to install a deep-well turbine pump with electric control, a well pump to ground tank at March Field.

Specifications obtainable from constructing quartermaster upon deposit of \$5. Work will involve the furnishing and installation of a deep-well, motor-driven turbine pump, with automatic electric control, and 675 feet of discharge pipe connecting to ground tank; also the construction of a 14x14 foot well pump house with concrete walls, tile roof and steel sash.

AMERICAN LAKE, Wash.—Combustion Engineering Co., 324 Monadnock Bldg., San Francisco, at \$17,344 submitted only bid to Superintendent of Construction, Palo Alto, to furnish and install stoker equipment at the Veterans' Administration Hospital American Lake, for three 250-hp. water tube "Birchfield" boilers.

SUNNYVALE, Santa Clara Co., Cal.—Siems-Helmer Co., 206 Sansome St., San Francisco, holding the contract for roofing and siding in connection with the Sunnyvale Dirigible Hangar, desire sub-bids in connection with the roofing, miscellaneous iron, side walls, painting, 500 yards of concrete and for erection of timber.

PANAMA CANAL ZONE—Until December 9, 10:30 A. M., under Schedule No. 2704, bids will be received by Purchasing Officer, Panama Canal, Washington, D. C., to furnish and deliver metal cabinets, oil purifiers, rigid steel conductors, cable, wire, transformers, circuit breakers, rectifiers, reflectors, electric fixtures, switches, porcelain insulators, mica, pipe fittings, sanitary fixtures, range boilers, metal valves, cocks, ramers, bolts, nuts, screedboard springs, mop heads, calcium chloride, rice straw, twine, rubber bands, cypress lumber, southern yellow pine or

Dogulus fir timbers, and untreated piles. Specifications on file in office of Assistant Purchasing Agent, Ft. Mason, San Francisco.

SCHOFIELD BARRACKS, T. H.—Until December 12, under Proposal No. 21, bids will be received by Quarter-master, Schofield Barracks, T. H., to furnish and deliver

- (1) 20 cement presses;
- (2) 1 cuff press;
- (3) 1 unit ironer;
- (4) 10 adjustable ironers;
- (5) 1 steam chest.

Specifications and further information obtainable from the Quarter-master.

Preliminary Plans Completed.

POST OFFICE Cost, \$155,000
MONTEREY, Monterey Co., Cal.
One-story Class A Spanish type post office.

Owner—United States Government.
Architect—Wm. O. Raiguel, Del Monte
Preliminary plans have been forwarded to Washington for approval.

SAN FRANCISCO—Until December 3, 10 A. M., under Circular No. 928-32-114, bids will be received by Quarter-master Supply Officer, General Depot, Fort Mason, to furnish and deliver poultry netting wire, in 150-ft. rolls, to be galvanized after weaving, as follows:

- 18 rolls 1½" mesh, 36" wide, #18 gauge.
- 15 rolls, 1½" mesh, 48" wide, #18 gauge.
- 18 rolls 1½" mesh, 72" wide, #18 gauge.
- 16 rolls ¾" mesh, 36" wide, #20 gauge.
- 12 rolls ¾" mesh, 48" wide, #20 gauge.

WASHINGTON, D. C.—Bids are being received by the Bureau of Supplies and Accounts, Navy Dept., Washington, D. C., to furnish materials and equipment to Pacific Coast navy yards and stations, further information on the Schedules listed being obtained from the Navy Purchasing Office, 100 Harrison St., San Francisco:

Bids Close Dec. 3.

Mare Island, parts for motor boat gasoline engines; sch. 6901.

Mare Island or fob works, 20,000 cylindrical paint pails; sch. 6933.

Western yards, rules and tapes; sch. 6930.

Western yards, wrenches; sch. 6932.

Mare Island, 2,808 dust pans; sch. 6944.

Mare Island, 90 gasoline torches, and Puget Sound, 42 do; sch. 6943.

San Francisco, 2,700 ft. cotton covered air hose; sch. 6942.

Western yards, pliers and nippers; sch. 6931.

Seattle, 1 corrugated suspension furnace; sch. 6945.

Mare Island and Puget Sound, electric-driven worm geared winches and spares; sch. 6979.

Western yards, lumber; sch. 6959.

Western yards, screwdrivers; sch. 6946.

Additional Prospective Bidders.

OFFICES Cost, \$1,287,500
PORTLAND, Ore. Broadway, Madison, Sixth and Main Sts.

Seven-story and basement Class A Federal Office.

Owner—United States Government.

Architect—Witchouse, Stanton & Church, Railway Exchange Bldg., Portland, Oregon.

Following are additional contractors who have secured plans. Others reported Nov. 18 and Nov. 5.

General Work

Albertson & Cornell, Fidelity Bldg., Tacoma, Wash.

L. H. Hoffman, Public Service Bldg., Portland, Oregon.

John Hayes, 1450 N. Ardmore Ave., Glendale, Calif.

Richards—Wilcox Mfg. Co., Aurora, Illinois.

Elevators

Montgomery Elevator Co., Moline, Ill.

To Ask Bids Nov. 30—To Close Dec. 29.

SUBSISTENCE BLDG. Cost, \$—
WALLA WALLA, Washington.

One-story and basement reinforced concrete subsistence building.

Owner—United States Government.
Plans by Supervising Architect, Washington, D. C.

NEPHI, Utah.—Bernston Bros., 2336 S. 21st St., Salt Lake City, Utah, at \$51,850 awarded contract by Treasury Department, Washington, D. C., for construction of a post office building at Nephi, for the U. S. Government.

JUNEAU Alaska.—Until Dec. 12 bids will be received by the Custodian U. S. Postoffice, Juneau, to furnish linoleum. Specifications obtainable from above.

SACRAMENTO, Cal.—Until Nov. 30, 3 P. M., under Circular Proposal No. 32-165, Specifications No. 3920-1861-476, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to furnish castings, as follows:

Item No. 1—Two propellers, 3 blade, eclipse pattern, fig. P 5340 C. J. Hendry page 147, to be made of cast steel in conformity with U. S. A. Ord. Dept. Metal Spec. No. 57-64 A—Grade 2. Shall be faced, taper bored, and have key way cut.

Item No. 2—One Piston ring casting to be made of best grade gray cast iron. The casting shall be clean and smooth, and free from any blow holes. The casting shall be furnished rough cast but so that it can be finished to 22½-in. O. D. x 20¼-in. I. D. x 14-in. long. The allowance for machining shall be ¼-in. on the inside and 3/16 in. on the outside.

Item No. 3—Four bushing castings to be made of cast iron of the grade known as semi-steel in conformity with U. S. A. Ord. Dept. Metal Spec. No. 57-62A—Class Medium. These castings shall be furnished rough cast but so that they can be finished to 5¼-in. O. D. x 4¼-in. I. D. x 14-in. long. The allowance for machining shall be ¼-in. on the inside and 3/16 in. on the outside.

Item No. 4—One motor base to be made of cast iron of the grade known as semi-steel as per dwg. 70A-17-1035 and in conformity with U. S. A. Ord. Dept. Metal Spec. No. 57-62A—Class Medium.

Item No. 5—One main bearing pillar to be made of cast iron of the grade known as semi-steel as per dwg. 70A-17-812-2 sheet 6 part 6H/312 and in conformity with U. S. A. Ord. Dept. Metal Spec. No. 57-62A Class Medium.

BOISE, Idaho.—E. F. Lessinger, 221 South Tenth St., Boise, Idaho, at \$9,800 submitted lowest bid to Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, Cal., for furnishing and installing complete at the Veterans' Hospital, Boise, one aerating tank, pump house, pumps and piping. This work will include excavating, backfilling, brickwork, reinforced concrete work, erection of a 30,000 gallon wood stave tank with aerating device, concrete foundations, pipe, valves, fittings, etc.; also the installation of one direct connected motor-driven vertical deep well pump and two horizontal direct connected motor-driven booster pumps, two

chlorinators and valves and plumbing and electrical work.

Following is a complete list of bids:
E. F. Lessinger, Boise, Idaho, \$9,800; 90 days.

James Burke & Co., Salt Lake City, \$9,915; 90 days.

E. K. Bergeson, Spanish Fort, Utah \$10,249; 120 days.

Olsen Mfg. Co., Boise, Idaho, \$10,322; 60 days.

Coast Electric Service Co., San Jose \$10,721; 90 days.

Morley Const. Co., Kansas City, Mo. \$10,935; 60 days.

Morrison-Knudsen Co., Boise, Idaho, \$12,450; 90 days.

John Bean Mfg. Co., Boise, Idaho, \$618 (deep well pump only).

Bids referred to Washington for award.

HALLS AND SOCIETY BUILDINGS

Contract Awarded.
CLUB HOUSE Cont. Price, \$19,959

SALADA BEACH, San Mateo Co., Cal.
Sharp's Beach.

One-story frame and stucco clubhouse (tile roof; 100x10 feet).

Owner—City and County of San Francisco (Park Commission).

Architect—Willis Polk & Co., 277 Pine St., San Francisco.

Contractor—San Francisco Constr. Co., 3159 Fillmore St., S. F.

Following is a complete list of bids:
San Francisco Constr. Co. \$19,959
Young & Horstmeier. 20,760
G. P. W. Jensen. 21,270
Clancy Bros. 21,490
F. J. Reilly. 21,683
Ragner, Monson. 21,737
Clinton Stephenson Constr. Co. 22,254
Jacks & Irvine. 22,296
Reilly & Grace. 22,385
H. Pappenhausen. 23,320
N. H. Sjoborg & Son. 24,348

Planned.

ENLARGE CLUB. Cost, \$—
WOODLAND, Yolo Co., Cal.

Enlarge present club quarters.

Owner—Y. M. C. A. (J. W. Howell, Sec'y., Yolo County Y. M. C. A.)

Architect—Not Selected.

Frank Morris, Woodland, is chairman of the building committee.

Planned.

REMODEL CLUB. Cost, \$—
OAKLAND, Alameda Co., Cal.

Near Park Blvd. and McKinley St.

Remodel present club building.

Owner—German Pioneers House Assn. (W. A. Luetger, Pres.), 3380 Lyman Road, Oakland.

Architect—Not Selected.

As soon as financial arrangements have been completed more definite information will be given.

HOSPITALS

Plans Being Completed.

MEDICAL BLDG. Cost, \$50,000
PALO ALTO, Santa Clara Co., Cal.

Hammer Ave. and Bryant St. (150 by 150 feet).

One and two-story reinforced concrete medical building (tile roof, steel sash, steam heating system)

Owner—Drs. Russell Lee; B. Wilbur; E. F. Roth and M. H. Saler, 440 Foothill Ave., Stanford University, Palo Alto.

Architect—Birge M. Clark, 310 University Ave., Palo Alto.

Low Bidder.

ADDITION Contract price, \$340,600
WEST LOS ANGELES, Los Angeles Co., Cal.

Addition to Wadsworth Hospital and connecting corridors, including walks, grading and drainage.

LOS ANGELES, Cal.—Until 2 P. M., Dec. 7, bids will be received by the Los Angeles County Supervisors for the construction of a jail dormitory

on the roof of the county jail. The addition will house about 200 prisoners but will be used only for trustees and misdemeanor cases. Construction will be of steel angles and columns, with steel sash, wire glass and 2-inch wire mesh, sheet steel canopy, utilizing certain existing walls. There will be no doors to the cells. Bids will be taken on contracts as follows: (1) general; (2) plumbing and heating; (3) ventilating; (4) electric wiring and fixtures; (5) cell blocks and wire screens.

Plans by Wm. Davidson, chief mechanical engineer, 1066 Hall of Records. Mamie B. Beatty, 393 Hall of Records, Clerk of the Board.

Plans Being Figured—Bids Close Dec. 22, 10 A. M.
HALL OF RECORDS Cost, \$300,000
 MARTINEZ, Contra Costa Co., Cal.
 Three-story Class A steel frame and concrete Hall of Records (hollow tile and metal lath partitions, steel sash, heating plant).
 Owner—County of Contra Costa.
 Architect—E. Geoffrey Bangs, 411 30th St., Oakland.
Structural Engineer—F. H. Tibbitts, Alaska Commercial Building, San Francisco.
Mechanical Engineer—G. M. Simonson, Call Bldg., San Francisco.
 Previously reported to be opened December 18.

RESIDENCES

Preparing Working Drawings.
PARISH HOUSE Cost, \$28,000
 HAYWARD, Alameda Co., Cal.
 Two-story frame and stucco parish house (Spanish type).
 Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
 Architect—W. E. Schirmer, 700 21st St., Oakland.
 Rev. Stephen Barron is the pastor.

Contract Awarded.
RESIDENCE Cost, \$10,857
 FRESNO, Fresno Co., Cal. No. 641
 Carmen Avenue.
 Two-story and basement frame and stucco residence.
 Owner—Frank Kauke, 1585 N. Van Ness Ave., Fresno.
 Architect—Not Given.
 Contractor—J. Dan Shorb, 1295 Linden St., Fresno.

Contract Awarded.
RESIDENCE Cost, \$3—
 OROVILLE, Butte Co., Calif. Quincy Road.
 Two-story and basement frame and stucco residence (Spanish type; tile roof, patio, flagstone terrace).
 Owner—Harry Gray, Oroville.
 Architect—Not Given.
 Contractor—Milo Stram, Oroville.

To Be Done By Day's Work.
COTTAGE Cost, \$2000
 FORT BIDWELL Reservation, Surprise Valley, Modoc Co., Calif.
 One-story frame cottage (4 rooms).
 Owner—United States Government.
 Plans by Bureau of Indian Affairs, Washington, D. C.
 There will be twenty additional cottages constructed in the spring of 1932 at a cost of \$10,000.

Plans Being Completed.
RESIDENCES Cost, \$5000 each
 SACRAMENTO, Sacramento Co., Cal.
 Forty-fourth St. near R St.
 Four one-story and basement frame and stucco residences (5 rooms each).
 Owner and Builder—Klein Realty Co., 1009 8th St., Sacramento.
 Plans by Owner.
 Work will be handled by owner on day's labor basis.

Construction Postponed.
RESIDENCE Cost, \$7500
 ORINDA, Contra Costa Co., Cal.
 Orinda Country Club Grounds.
 One and one-half-story frame and stucco residence (7 rooms and 2 baths; Normandy style, shingle roof, steel sash, oil burner, hot air heating system, colored tile baths and kitchen, hardwood floors and trim).
 Owner—Withheld.
 Architect—Wm. A. Rich, Orinda.
 Construction has been postponed until after January 1, 1932.

Sub-Bids Being Taken.
RESIDENCE Cost, \$7500
 SAN FRANCISCO. Geary Street and 47th Avenue.
 One-story and basement frame and stucco residence (6 rooms; composition and tile roof, gas heat, colored tile bath and kitchen, hardwood floors and trim).
 Owner and Builder—Klerman and O'Brien, 47th Ave. and Geary St.
 Architect—A. H. Larsen, 594 Bright Street.
 This will be Building No. 7 of a group to be constructed and now under construction.

Plans Being Figured.
RESIDENCE Cost, \$45,000
 SAN FRANCISCO. Sealcliff District.
 Two-story and basement frame, stucco and brick veneer residence (14 rooms, 5 baths; slate roof, tile baths and kitchen, gas heating system, etc.)
 Owner—Joseph Bransten.
 Architect—Bakewell and Weihe, 251 Kearny Street.

Following contractors have secured plans:
 Gauley & Yount, 299 22nd St.
 A. F. Matlock, 212 Clara St.
 Young & Horstmeier, 461 Market St.
 Taylor & Jackson, 290 Tehama St.
 Chas. Stockholm & Son, Russ Bldg.
 D. B. Gladstone, 557 Market St.
 Henry B. Post, 1330 Webster Street, Palo Alto.

Sub-Contracts Awarded.
RESIDENCE Cost, \$26,500
 PALO ALTO, Santa Clara Co., Cal.
 Two-story and basement frame and stucco residence (12 rooms and 4 baths); tile roof, garden pool, library; maid's quarters; considerable landscaping.
 Owner—Mrs. Madeline Meyer.
 Plans by Austin Pierpont, Ojai Ave., Ojai, Calif.
 Contractor—William Short, 2121 Waverly St., Palo Alto.
Concrete Materials—Steve Anderson & Son, 601 Park Blvd., Palo Alto.
Concrete—Albert Simonini, 415 Lambert St., Palo Alto.

Sub-Contracts Awarded.
RESIDENCE Cost, \$7000
 SAN FRANCISCO. Forty-seventh Ave. and Geary St.
 One-story and basement frame and stucco residences (six rooms, composition and tile roof, gas heat, colored tile bath and kitchen).
 Owner & Builder—Klerman & O'Brien, Alexander Bldg., San Francisco.
 Architect—Albert H. Larsen, 447 Bright St., San Francisco.
Plumbing—Scott Co., 243 Minna St.
Stairs—P. O. Lind, 2745 16th St.
Decorating—Harry Tyrell.
Sheet Metal—T. G. Arrowsmith, 661 Howard St.
Electric—Atlas Electric Co., 343 4th Street.
Gravel Roof—Alms Roofing Co., 2485 Chestnut St.
Lathing & Plastering—W. J. Coney, 74 Moltke St.
Concrete—Yannucci Brothers, 1875 San Bruno Ave.

Preparing Working Drawings.
RESIDENCE Cost, \$—
 HILLSBOROUGH, San Mateo Co., Cal.
 14-acre tract.
 Two-story and basement brick, frame and stucco residence (English type).
 Owner—Thomas Fortune Ryan, Hillsborough.
 Architect—Willis Polk & Co., 277 Pine St., San Francisco.

Plans Being Completed.
RESIDENCES Cost, \$1500 each
 SAN MATEO, San Mateo Co., Cal.
 Casa Baywood.
 Four one-story and basement frame and stucco residences (5 rooms); composition and tile roof, gas heat, colored tile baths and kitchens, hardwood floors and trim, etc.)
 Owner and Builder—Buschke & Johnson, 235 Third Ave., San Mateo.
 Plans by Grimes & Schoening, 235 Third Ave., San Mateo.
 Sub-bids will be taken within a few days.

Sub-Bids Being Taken.
RESIDENCE Cost, \$6500
 MILLBRAE HIGHLANDS, San Mateo Co., Cal.
 One-story and basement frame and stucco residence (6 rooms and 2 baths); composition and tile roof, gas heat, colored tile baths and kitchen, etc.)
 Owner and Builder—E. Vegin, 280 Elder Ave., Millbrae Highlands.
 Plans by Grimes & Schoening, 235 Third Ave., San Mateo.

Plastering Contract Awarded.
RESIDENCE Cost, \$70,000
 PIEDMONT, Alameda Co., Cal. Piedmont Estates.
 Two-story and basement frame and stucco residence (Italian style, tile roof, ornamental iron, marble, gas heat, vapor system, landscaping).
 Owner—R. K. Ham, Latham Square Bldg., Oakland.
 Architect—Noble and Archie T. Newsum, Russ Bldg., San Francisco.
 Contractor—A. Cedarborg, 1455 Excelsior Blvd., Oakland.
Plastering—Tom Glimme, 4048 Brown Ave., Oakland.
 Other awards reported Oct. 15.

Preparing Working Drawings.
RESIDENCES Cost each, \$5000
 SAN FRANCISCO. Seventeenth Ave. and Ortega Street.
 Eighteen 1-story and basement frame and stucco residences (six rooms and social hall) special roof, gas furnace, ornamental iron work, leaded glass, some brick work and stone veneer; Period design.
 Owner—Withheld.
 Architect—Clausen Architectural Studio, 746 46th Avenue.
 Bids will be asked in about 2 weeks.

Contract Awarded.
RESIDENCE Cost, \$8000
 SAN FRANCISCO. NE 17th and Ord Streets.
 One-story and basement brick veneer residence (five rooms, unadorned walls, gas hot air heater, colored tile bath and kitchen).
 Owner—Withheld.
 Architect—Fabre & Hildebrand, 110 Sutter St., San Francisco.
 Contractor—San Francisco Construction Co., 3155 Fillmore St., S. F.
 Previously reported as being awarded to William McIntosh, who is manager of construction for the San Francisco Construction Co.

Plans Being Completed.

RESIDENCE—Cost, \$5000
MILLERAGE HIGHLANDS, San Mateo
Co., Cal.

One-story and basement frame and
stucco residence (3 rooms and 2
baths; gas heat, composition and
tile roof, colored tile baths and
kitchen, hardwood floors and trim)
Owner & Builder—O. Harjulin, Third
St., San Francisco.

Architect—Not Given.

Sub-bids will be taken within a
few days.

Contract Awarded.

RESIDENCE—Cost, \$—
SANTA CRUZ, Santa Cruz Co., Cal.
Adjoining 25 Columbia Street.

One-story and basement frame and
stucco residence (6 rooms; colored
tile bath and kitchen, hardwood
floors, etc.)

Owner—Steven Ghio, 25 Columbia St.,
Santa Cruz.

Architect—Not Given.

Contractor—William Vesely, 75 Second
Ave., Beach Hill.

SubContracts Awarded.

RESIDENCE—Cost, \$12,459
BERKELEY, Alameda Co., Cal. No.
611 Cragmont Avenue.

Three-story frame and stucco resi-
dence (3 rooms).

Owner—N. M. Zoph, 1870 Capistrano
St., Berkeley.

Architect—W. B. Yelland, Financial
Center Bldg., Oakland.

Contractor—A. Holyoake, 517 East
Ave., Hayward.

Concrete—F. Avena, 1112 Oregon St.,
Berkeley.

Plumbing—J. A. Fazio, 402 Castro
St., Oakland.

Electric—Higgins Electric Co., 1633
Stuart St., Berkeley.

Painting—G. C. Van Dyke, 41 St.
James Court, Hayward.

Sheet Metal—Hobbrook, Merrill &
Stetson, Inc., 2090 Broadway, Oak-
land.

Brick Work—C. Shearer, 3629 13th
St., Oakland.

Lumber—T. P. Hogan Co., Second
and Alice Sts., Oakland.

Tile Work—Brockhurst Tile Co., 2819
Shattuck Ave., Berkeley.

Contract Awarded.

RESIDENCE—Cost, \$8000
SAN FRANCISCO. NE 17th and Crd
Streets.

One-story and basement brick veneer
residence (five rooms, canvassed
walls, gas hot air heater, colored
tile bath and kitchen).

Owner—Withheld.

Architect—Fabre and Hildebrand, 110
Sutter Street.

Contractor—Wm. McIntosh, 3169 Fill-
more Street.

Plans To Be Prepared.

RESIDENCES—Cost, \$—
PALO ALTO, Santa Clara Co., Cal.
California Ave., Cambridge and
Hanover Sts.

Twenty-four one and one-half-story
frame and stucco residences (4
and 5 rooms).

Owner and Builder—Pedro J. Lemos,
460 Churchill St., Palo Alto.

Plans by Owner.

Construction will be started in the
Spring.

Contract To Be Awarded.

RESIDENCE—Cost, \$7000
SAN JOSE, Santa Clara Co., Cal.

One-story and basement frame and
stucco residence (6 rooms; com-
position and tile roof, gas heat,
hardwood floors, colored tile bath
and kitchen).

Owner—C. Bosch.

Architect—Herman Krause, 243 N-9th
St., San Jose.

Contractor—M. Scaglione, 1231 Sher-
man St., San Jose.

Preparing Working Drawings.

RESIDENCE—Cost, \$22,000
SAN FRANCISCO. Western Addition

Two-story and basement frame and
stucco residence (8 rooms and 3
baths; slate roof, gas steam heat-
ing system, electrically equipped
kitchen, electric refrigeration,
hardwood floors and trim, colored
tile baths and kitchen).

Owner—Withheld.

Architect—Albert H. Larsen, 447
Sutter St., San Francisco.

Bids will be asked for shortly.

SCHOOLS

Preparing Preliminary Plans.

DORMITORY—Cost, \$100,000
OAKLAND, Alameda Co., Cal. Mills
College Campus.

Two-story reinforced concrete dormi-
tory.

Owner—Mills College.

Architect—W. H. Ratcliff Jr., Chamber
of Commerce Bldg., Berkeley.

Additional Sub-Contracts Awarded.

ADDITION—Cost, price, \$7522
KENTFIELD, Marin Co., Cal. Marin
Junior College Campus.

One-story four-classroom addition to
Science Building (wooden frame,
stucco exterior, tile roof).

Owner—Marin Junior College District,
Kentfield.

Architect—A. A. Cantin, 544 Market
St., San Francisco.

Contractor—J. S. Hannah, 268 Market
St., San Francisco.

Lathing & Plastering—Archie Winch-
cole, 622 12th St., Richmond.

Glass—Crown Glass Co., 675 Golden
Gate Ave., San Francisco.

Sheet Metal—Frank Davidson, 65 Ches-
ley St., San Francisco.

As previously reported, mill work
awarded to Hess Lumber Co., 229 3rd
St., San Rafael; plumbing to F. W.
Spencer, 2659 California St., San Fran-
cisco; window hardware to Universal
Window Co., 1916 Broadway, Oakland;
painting to A. A. Zelinsky, 4420 Cali-
fornia St., San Francisco; roofing to
United Roofing Co., 142 Stillman St.,
San Francisco; concrete to Jas. Ghi-
lotti, 1329 4th St., San Rafael.

SAN FRANCISCO—Until November
30, 3 P. M., under Proposal No. 773,
bids will be received by Leonard S.
Leavy, city purchasing agent, 270 City
Hall, to furnish athletic goods
for the School Department and the
Playground Commissioners.

SAN FRANCISCO—Until November
30, 3 P. M., under Proposal No. 773,
bids will be received by Leonard S.
Leavy, city purchasing agent, 270 City
Hall, to furnish and deliver shop
equipment for the School Department.
Specifications obtainable from above
office.

Plans Being Completed.

SCIENCE BLDG.—Cost, \$130,000
SAN FRANCISCO. State Teachers'
College (124 Buchanan St.)

Three-story reinforced concrete Class
B science and chemistry building
(classrooms, lecture auditorium to
seat 200, chemistry laboratories
and supply rooms, tile roof, wood
floors, linoleum covered, steam
heat).

Owner—State of California.

Architect—S. Heiman, 605 Market St.

Plans will be completed in about 30
days.

Completing Plans.

SCHOOL—Cost, \$63,000
LOS ANGELES, Cal. Topeka Drive
near Ventura Blvd.

Two-story brick and concrete school.
Owner—Los Angeles City School Dist.
Architect—Armand Monaco, Pershing
Square Bldg., Los Angeles.

Preparing Plans.

SCHOOL—Cost, \$75,000
LOS ANGELES, Cal. 614 Soto St.

Two-story concrete and brick high
school (18 units).
Owner—Los Angeles City School Dist.
Architect—A. F. Rosenheim, Chamber
of Commerce Bldg., Los Angeles.

Sub-Contracts Awarded.

SCHOOL—Cost, \$8000
BERKELEY, Alameda Co., Cal. No.
1710 Carleton Street.

One-story frame and stucco school (8
rooms).

Owner—Berkeley Japanese Church.
Plans by Richard Weeks, 6280 Acacia
St., Oakland.

Contractor—W. J. Baker, 2555 Ran-
some Ave., Oakland.

Plastering—Joe Giachetto, 1209 Derby
St., Berkeley.

Roofing—E. C. Rossi, 731 46th St.,
Oakland.

Plumbing—Ambrose Bros., 206 Chu-
malla Ave., San Leandro.

Heating—Clow Gasteam Heating Co.,
312 17th St., Oakland.

Steel Sash—Fenestra Constr. Co.,
63rd and Doyle Sts., Oakland.

Sheet Metal—M. C. Henry, 1183 53rd
St., Oakland.

Brick—Paul Breitkopf, 2145 E-23rd
St., Oakland.

Concrete—Walter Todd, 1827 41st Ave.
Oakland.

Electric Wiring—Electric Service Co.
1455 Dwight Way, Berkeley.

SAN FRANCISCO—Until Dec. 7, 3
P. M., under Proposal No. 773, bids
will be received by Leonard S. Leavy,
city purchasing agent, 270 City Hall,
to furnish and deliver manufactured
furniture for the School Department.
Specifications obtainable from above.

CHICO, Butte Co., Cal.—J. F. Shep-
herd, First National Bank Building,
Stockton, desires sub-bids on all por-
tions of the work in connection with
the construction of the Chico Library
and Classroom Building, for which
bids will be opened in Sacramento on
Dec. 1. Sub-bids must be in Mr. Shep-
herd's office by Nov. 28.

BANKS, STORES & OFFICES

Glass Contract Awarded.

OFFICES—Cost, \$325,000
SAN FRANCISCO. N McAllister W
Polk St. (60x120 feet).

Six-story and basement Class A rein-
forced concrete offices (terra cotta
and granite facing; steam heating
system, etc.)

Owner—Perry F. Burke, ex William
Magee, 69 Sutter St., S. F.
Architect—Bliss & Fairweather, Bal-
boa Bldg., San Francisco.

Contractor—Barrett & Hilt, 918 Har-
rison St., San Francisco.

Engineer—T. Ronneberg, Crocker
Bldg., San Francisco.

Glass—W. P. Fuller & Co., 301 Mis-
sion St., San Francisco.

Other awards previously reported.

Plans Being Prepared.

REMODEL STORES—Cost, \$—
SAN MATEO, San Mateo Co., Cal.
Location Withheld.

Alterations to group of concrete and
brick stores.

Owner—Withheld.

Plans by Grimes and Schoening, 235
Third Ave., San Mateo.

Contract Awarded.
STORE Cost, \$—
FRESNO, Fresno Co., Cal. Fresno and Fulton Streets.
 Extensive remodeling of store (50x80 feet).
 Owner—Peggy Porter, Mattel Building Fresno.
 Architect—Not Given.
 Contractor—Fisher & McNulty, Mattel Bldg., Fresno.

Supplemental Foundation Contract Awarded.
STORE Cont. Price, \$76,000
SANTA ROSA, Sonoma Co., Cal. 4th Street.
 Three-story brick and concrete store building (salesroom and offices; 60 by 90 ft.).
 Owner—E. H. Kress & Co., 621 South Broadway, Los Angeles.
 Architect—John Fleming, 1031 South Broadway, Los Angeles.
 Contractor—Lindgren & Swinerton, 1736 34th St., Sacramento.
 Other awards reported previously.

Contract Awarded.
EXCHANGE BLDG. Approx. \$170,000
SAN FRANCISCO. Pine and Steiner Streets.

Two-story and basement brick reinforced concrete and steel frame telephone exchange building.
 Owner—Pacific Telephone and Telegraph Co., 140 New Montgomery Street.

Plans by Eng. Dept. of Owner (E. V. Cobby in charge).
 Contractor—MacDonald & Kahn, Financial Center Bldg.

As previously reported, footings and foundations awarded to Lindgren and Swinerton, Inc., 225 Bush St.; excavation to Sibley Grading and Teaming Co., 165 Landers St.; structural steel to Steel Erectors Consolidated, Ltd., 15th and Carolina Sts.

Roofing Contract Awarded.
STORE Cont. Price, \$7756
SAN JOSE, Santa Clara Co., Cal. Julian and San Pedro Sts.

One-story reinforced concrete store (Johns-Manville roof, concrete and wood flooring).

Owner—John S. Hayden.
 Architect—W. E. Higgins, Realty Bldg., San Jose.
 Contractor—W. M. Caldwell, 1241 Hedding St., San Jose.

Asbestos Roofing—Fred Hayden, 369 Stockton Ave., San Jose.

THEATRES

Construction To Start In About Thirty Days.
THEATRE Cost, \$50,000
SONOMA, Sonoma Co., Cal.
 One-story reinf. concrete theatre (76x181-ft.; 500 seating capacity; three stories; Grecian type of architecture).
 Owner—Mr. Sebastian Sonoma.
 Architect—Reid Bros., 105 Montgomery St., San Francisco.
 Contractor—Ralph Murphy and Sons, Napa Road, Sonoma.

WHARVES AND DOCKS

To Ask Bids Next Week.
PIER EXTENSION Cost, \$—
SAN FRANCISCO. Pier No. 44.
 170-ft. extension to Pier No. 44 (cracked piles, timber construction); and connecting wharf 150-ft. wide between Piers Nos. 42 and 44 (timber construction).
 Owner—State of California (Harbor Commission).
 Engineer—Frank G. White, Ferry Bldg.
 Sub-Contracts Awarded.
SHEC Cont. Price, \$92,648
SAN FRANCISCO. Pier 23, Foot of Greenwich Street.

Steel frame shed (110x330 ft.; precast concrete wall slabs, redwood roof sheathing covered with asphalt and gravel).

Owner—Estate of California (Harbor Commission).

Engineer—Frank White, Ferry Bldg., San Francisco.
 Contractor—Barrett & Hlip, 918 Harrison St., San Francisco.

Cast Steel—Enterprise Foundry Co., 2902 19th St., San Francisco.
Roofing—Alta Roofing Co., 976 Indiana St., San Francisco.

Reinforcing Steel—Pacific Coast Steel Co., 20th and Illinois Sts., S. F.
 As previously reported, pile jackets awarded to Healy-Tibbitts Constr. Co., 64 Pine St., San Francisco.

MISCELLANEOUS CONSTRUCTION

EUREKA, Humboldt Co., Cal.—Until December 1, 8 P. M., bids will be received by A. Walter Kildale, city clerk, to furnish the following:
 (1) lubricating oil and grease;
 (2) fuel oil;
 (3) gasoline.
 Above supplies for use during 1932.

EUREKA, Humboldt Co., Cal.—Until Dec. 1, 5 P. M., bids will be received by A. Walter Kildale, city clerk, to furnish 1,000 cubic yards of screened gravel, more or less. Specifications obtainable from city clerk.

Planned.
MAUSOLEUM Cost, \$—
MONTEREY, Monterey Co., Cal.
 Reinforced concrete mausoleum (marble and bronze interior).
 Owner—Monterey Mission Memorial Association.
 Architect—Not Selected.
 Agent—A. G. Metz, 447 Alvarado St., Monterey.

SANTA ROSA, Sonoma Co., Cal.—County Surveyor E. A. Feugh has completed plans for 10,000 ft. of timber fencing on both sides of the Jenner to Mendocino County Line Right-of-Way. Bids will be asked at once.

SAN DIEGO, Cal.—Edwin Carewe & associates, Los Angeles, submitted only bid to city purchasing agent for disposal of garbage. The agreement calls for constructing and operating a garbage disposal plant, in or near the corporate city limits of San Diego, to cost not less than \$150,000. The bidder is to furnish his own specifications for the plant, which is to provide for the cremation or reduction of garbage, the residue to be disposed of by the plant operator. The plant is to have a capacity of not less than 80 tons per day. Construction must be started within 30 days from the date of award of contract. Carewe's bid was referred to the city manager.

Plans Being Figured—Bids Close Nov. 25th.
DANCE HALL Cost, \$11,000
MODESTO, Stanislaus Co., Cal. 10th and K Streets.
 Rebuild dance hall (Class C concrete construction).
 Owner—Modesto Winter Garden, 1125 10th St., Modesto.

Architect—Fahre and Hildebrand, 110 Sutter St., San Francisco.

LOS ANGELES, Calif.—Olympic Games officials and Long Beach recreation officials report that buildings to be constructed at the rowing lagoon include a boat house to accommodate 200 shells, grandstand to seat 10,000 people, floats, judges' stands, comfort stations, showers and other equip-

ment. Plans for the crew's quarters have been approved. It will be 49x110 feet; frame and stucco construction, composition roofing, etc. Total expenditure will be \$50,000.

Plans Being Figured.
MUSEUM Cost, \$—
SAN DIEGO, San Diego Co., Cal. Balboa Park.
 Two-story and basement Class A reinforced concrete fireproof museum (cast stone trim, tubular doors, steel ash).
 Owner—San Jose Natural History Museum.
 Architect—William Templeton Johnson, San Mateo Trust & Savings Bank Bldg., San Diego.

BUSINESS OPPORTUNITIES

Names and addresses of persons or firms concerned in the following opportunities will be furnished on request to Business Opportunity, Department, Daily Pacific Builder, 547 Mission St., San Francisco, or phone Garfield 8744.

21500—Wall Paper, San Francisco. French manufacturer of wall paper, seeks an agent in San Francisco.

21504—Sicilian Sulphur, Catania, Italy. Exporters of Sicilian sulphur are seeking a local market.

21510—Chinaware, Idaho Falls, Idaho. Party asks to be put in touch with importers of chinaware.

21511—Automotive Parts and Accessories, Nanking, China. Firm is interested in importing automotive parts and accessories.

21512—Representation, Hongkong, China. Import-export firm desires American connections or agencies in various staple lines.

21514—Turpentine, San Francisco. Inquiry for list of firms interested in importing turpentine from Mexico.

21516—Oxide of Tin, H. de Parral, Chih., Mexico. Producers of large quantities of oxide of tin wish to contact interested importers.

L. D. Harrison, Victoria Hotel, San Francisco, wishes to secure various lines of merchandise of local firms to represent in Oregon, Washington and British Columbia.

W. O. Boynton, 701 N 61st St., Seattle, Wash., representing manufacturers in Oregon and Washington would be interested in additional lines to represent.

W. C. Jones, Industrial Dept., Saint Paul Association of Commerce, Saint Paul, Minn., represents concern having facilities for representing Pacific Coast concerns.

Leonard Simms, Manager, Industrial Dept., Detroit Board of Commerce, Detroit, Mich., represents a concern which desires to secure automotive and other products not manufactured in Detroit, to represent there.

Expansion of road building programs for the relief of unemployment as well as to relieve traffic congestion on the highways and reduce accidents from motor vehicles will be proposed to Congress in numerous measures as soon as it meets according to W. R. Smith, president of the American Road Builders' Association.

Briggs Boiler Works Co., Akron, Ohio, announces the appointment of Alfred C. Fickes as sales manager. Mr. Fickes for the past eight years has been general sales manager of the Lancaster Iron Works, Lancaster, Pa., and was previously connected with the Philadelphia & Reading Coal & Iron Co., Lehigh Coal & Navigation Co., Southern Pipe Line Co., Bethlehem Steel Corp. and McClintic-Marshall Construction Co.

Engineering News Section

BRIDGES

LOS ANGELES, Cal.—Until 2 P. M. Nov. 30, bids will be received by the county supervisors for the construction of reinforced concrete conduit to be constructed in Verdugo Wash between Woodland Lane and 1100 feet northerly. The items are:

- (1) 1500 cu. yds. excavation;
- (2) 600 cu. yds. fill;
- (3) 700 cu. yds. backfill;
- (4) 630 cu. yds. class A reinf. conc.;
- (5) 575 cu. yds. class B reinf. conc.;
- (6) 15 ft. drill dowel holes;
- (7) 1475 ft. placing the drains;
- (8) 700 ft. pipe and wire fencing.

E. C. Eaton 202 N Broadway chief engineer. Mame B. Beatty, 303 Hall of Records, clerk of the board.

LOS ANGELES, Cal.—Until 2 P. M. Nov. 30, bids will be received by the county supervisors for supplying reinforcement steel for the construction of a reinforced concrete conduit in Verdugo Wash, between Woodland Lane and Glorietta Ave., in the city of Glendale. This steel will be delivered f.o.b. site of work. The items are:

- (1) 760 lbs. 1-in. round deformed;
- (2) 1620 lbs. $\frac{3}{4}$ -in. round deformed;
- (3) 4550 lbs. $\frac{3}{4}$ -in. round deformed;
- (4) 4960 lbs. $\frac{3}{4}$ -in. round deformed;
- (5) 46,300 lbs. $\frac{1}{2}$ -in. round deformed;
- (6) 26,900 lbs. $\frac{1}{2}$ -in. square deformed;
- (7) 9670 lbs. $\frac{3}{4}$ -in. round deformed.

E. C. Eaton 202 N Broadway chief engineer. Mame B. Beatty, 303 Hall of Records, clerk of the board.

SAN LUIS OBISPO COUNTY, Cal.—As previously reported, bids will be received December 9, 2 P. M., by State Highway Commission to construct two reinforced concrete girder bridges; one across Los Berros Creek about 1 mile east of Los Berros, consisting of one 40-ft. span on concrete abutments with wing walls; the other across Arroyo Grande Creek at Arroyo Grande, consisting of six 35 ft. spans on concrete bents and a concrete abutment with wing walls on pile foundations. Project involves:

- (1) 1855 cu. yds. struc. excav.;
- (2) 2400 lin. ft. furnish Doug. fir piles, incl. test piles;
- (3) 92 drive Doug. fir piles, incl. test piles;
- (4) 2500 lin. ft. reinf. conc. piles, incl. test piles;
- (5) 65 cu. yds. "A" cem. concrete (placed by tremie);
- (6) 1235 cu. yds. "A" cem. concr. (struct.);
- (7) 48 cu. yds. "A" cem. concrete (slope paving);
- (8) 226,000 lbs. reinf. steel;
- (9) 760 lbs. cast steel rockers and bearings;
- (10) 1180 lbs. bronze expansion plates;
- (11) 620 lin. ft. timber railing;
- (12) 1 lot misc. items of work.

CARSON CITY, Nev.—Until Jan. 6, 2 P. M., bids will be received by S. C. Durkee, State Highway Engineer, to demolish a steel and timber bridge over the Virgin River near Bunkerville, Clark County, and to grade, construct structures, and surface 10.71 miles between the lower bridge over the Virgin River and Mesquite, Clark County. Specifications for demolish-

ing bridge obtainable after Nov. 20 and for grading after Dec. 21, from county clerk's office at Las Vegas, Highway Dept. at Las Vegas or Reno, and U. S. Bureau of Public Roads, 461 Market St., San Francisco, upon deposit of \$15, of which \$10 is returnable. Certified check 5% required with bid.

LOS ANGELES, Cal.—Plans for reinforced concrete and cross-tied pile bridge on Riverside-Bedondo Road over Nigger Slough have been completed by the Los Angeles County bridge department, 12th floor Hall of Records. The structure will be a combination bridge and culvert, the main structure consisting of two covered openings, each 10 ft. in width, with 12-in. walls, resting on concrete footings and cross-tied wood piling. The length of the structure across the slough will be 20 ft. and will be 54 ft. in width. The estimated cost is \$7000. W. D. Armstrong is the county bridge engineer.

SACRAMENTO, Cal.—Until Dec. 4, 3 P. M., under Circular Proposal No. 32-164, Spec. No. 3873/OGS, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to raise and strengthen existing levee on westerly side of Yolo By-pass along Reclamation District No. 2068 and the property of Sullivan, Sullivan & Roche beginning 4.5 miles southerly of Yolo Station on the Sacramento Northern Railroad and extending southerly 15,920 feet. Project involves moving approximately 342,000 cu. yds.

MORAGA, Contra Costa Co., Calif.—Barrett & Hily, 918 Harrison St., San Francisco, awarded the following subcontracts in connection with the construction of a wooden bridge to be constructed over the Sacramento Northern Railroad, involving approximately 11,000 feet of lumber. It will be constructed jointly for the Saint Mary's College and the Sacramento Northern Railroad Co. Cost, \$5,000. Lumber—Rolando Lbr. Co., 301 Berry St., San Francisco. Rough Hardware—Payne's Bolt W'ks, 201 Main St., San Francisco.

SAN FRANCISCO—Barrett & Hily, 918 Harrison St., has awarded the reinforcing steel contract to Pacific Coast Steel Co., 20th and Illinois Sts., in connection with the construction of the Strauss Steel Trunnion Bascule Bridge, including substructure and approaches over the Channel Street Waterway at Third Street.

DREDGING, HARBOR WORKS & EXCAVATIONS

LONG BEACH, Cal.—Sparkes & McClellan, Newport Beach, awarded contract by city council at \$25,639.50 for dredging at Recreation Park Lagoon, involving approximately 119,400 cubic yards material.

SAN DIEGO, Cal.—Until Dec. 1, 11 A. M., under Spec. No. 6756, bids will be received by Public Works Officer, Eleventh Naval District, San Diego, for dredging at the Naval Operating Base (Destroyer Base) San Diego. The work will consist of the dredging of approximately 15,000 cubic yards of

materials in an area south of the approach to the marine railway at the Destroyer Base. Specifications obtainable from the Public Works Officer, San Diego, on deposit of \$10, returnable, checks for same to be made payable to Chief of the Bureau of Yards and Docks.

MACHINERY AND EQUIPMENT

LAS VEGAS, Nev.—Until 10 A. M. Jan. 5, bids will be received by the County Commissioners of Clark County, for furnishing to the county one motor road grader. Said motor road grader must be of four or six cylinder, tractor type motor, rear wheels solid rubber, dual drive or rubber track; front wheels to be pneumatic 6-inch tires. Front type scarifier with blade not less than 12 ft. Wm. L. Scott, clerk of the Board.

TULARE, Tulare Co., Calif.—Until December 2, 8 P. M., bids will be received by W. M. Brown, city clerk, to furnish one new two-door coach, six-cylinder car to be equipped with radio antenna in top, bumpers, spare wheel and tire. Bidder shall state allowance on used Ford touring car.

LOS ANGELES, Calif.—Chicago Pneumatic Tool Co., 655 Santa Fe Ave. awarded contract by county purchasing agent, H. E. Russell, at \$175 for furnishing 5 tons of Vesta 7-8-in. hollow hex Swedish rock drill steel in random lengths from 18 feet to 24 feet. Spec. No. 1390.

SCHOFIELD BARRACKS, T. H.—Until December 12, under Proposal No. 21, bids will be received by Quartermaster, Schofield Barracks, T. H., to furnish and deliver

- (1) 20 garment presses;
- (2) 1 cuff press;
- (3) 1 unit ironer;
- (4) 10 adjustable ironers;
- (5) 1 steam chest.

Specifications and further information obtainable from the Quartermaster.

LOS ANGELES, Cal.—Until 11 A. M., November 30, bids will be received by city purchasing agent, Thomas Oughton, for furnishing one motor dump truck under Specifications No. 2672. Allowance to be made or one used Moreland, 3-ton truck, 1922 model.

BERKELEY, Alameda Co., Calif.—George W. Nelson, 628 E. 10th Street, Oakland, at \$3,892 awarded contract by city council to furnish 7000-pound capacity truck for the Garbage Department. An allowance of \$100 was made for the old truck.

SAN FRANCISCO—Until November 30, 3 P. M., under Proposal No. 778, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and deliver shop equipment for the School Department. Specifications obtainable from above office.

TURLOCK, Stanislaus Co., Cal.—City council has authorized the purchase of a light truck for the street department.

MADERA, Madera Co., Cal.—Hudd & Quinn, 1516 H St., Fresno, at \$1,216 awarded contract by county supervisors November 18 to furnish one new Super Model caterpillar grader, 12-ft. blade, weight not less than 10,385 lbs. or equal, E. C. Chaschilla, Associated Equipment Co., San Francisco, at \$1,549 submitted only other bid.

LOS ANGELES, Cal.—Until 11 A. M., November 25, bids will be received by city purchasing agent, Thomas Oughton, for furnishing one used Rex paver, model 27-E with 26-foot boom, under Specifications No. 2670.

YUBA CITY, Sutter Co., Cal.—Until December 7, 7 P. M., bids will be received by John P. Onstott, clerk, Yuba City High School District, to furnish a school bus. Bids may be submitted for bus as a whole or for various parts. Chassis bids must include cost of lengthening frame if necessary. Specifications obtainable from office of Board at Yuba City High School. Certified check 10% payable to clerk of board required with bid.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—Until Dec. 7, 7:30 P. M., bids will be received by Daniel McSweeney, city clerk, to furnish a new Buick automobile, Model 32-37 regular, wheel base 126-in., shatter-proof glass wheels, equipped with 18-700 tires and covers for upholstery. Bid shall include offer for Buick now owned by city.

FIRE EQUIPMENT

EXETER, Tulare Co., Cal.—Until December 9, 7:30 P. M., bids will be received by T. E. Awer, city clerk, to furnish a 500-gallon or more per minute water pumper in connection with the municipal water system for fire protection. Certified check 10% required with bid. Test of pumper required before acceptance.

RESERVOIRS AND DAMS

LOS ANGELES, Cal.—Plans for the proposed dam to be built in Bouquet Canyon have been completed by the engineering department of the Los Angeles Water and Power Department, and approved by the State Engineer. The question as to whether the work will be done by contract or day labor has not been determined. This dam will be built in Bouquet Canyon at the junction of Spunky Canyon Road, about ten miles north of Saugus. It will be a combination rolled earth and rock fill dam, 185 ft. in height, 50 ft. wide at the crest, 1100 ft. in length at the crest, with 3 to 1 slopes, making the base approximately 1200 ft. in thickness. The reservoir will impound 32,000 acre feet. Construction will involve approximately 3,500,000 cu. yds. material.

LOS ANGELES, Cal.—Engineering Department of the Los Angeles Water & Power Department, 207 S. Broadway, is preparing plans for a combination earth and rock fill type dam to be constructed in the upper end of the present Hollywood Reservoir (Weid Canyon).

PIPE LINES, WELLS, ETC.

RIVERSIDE COUNTY, Cal.—Lyon Bros., 1563 Carmona St., Los Angeles, at \$300 submitted low bid to E. C. Sullivan, district engineer, State Highway Commission, San Bernardino, for drilling water well at

Shaver's Summit maintenance station. Other bids: Roscoe Moss, \$4030; A. A. Barrett, Temecula, \$7600. Award will be made to low bidder.

SEWERS AND SEWAGE DISPOSAL PLANTS

LOS ANGELES, Cal.—M. Miller, 208 W 2nd St., submitted low bid to the board of public works at \$59,895 to construct Section No. 2 of the Wilmington Intercepting Sewer, south of Anaheim St. between the intersection of Badger Ave. and Washington St. and the sewer right of way extending south from McFarland Ave. Involving: 4994.36 lin. ft. vitrified clay pipe sewer, including curves, structures, etc., and including required surfacing.

REDLANDS, San Bernardino Co., Cal.—F. W. & W. C. Seecombe, 431 Court St., San Bernardino, awarded contract by city council at \$2171.20 for constructing a sewer in W Palm Ave. between Center St. and San Mateo St. under the 1911 act, involving: 2400 ft. of 8-in. vitrified sewer; 4 manholes.

OAKLAND, Cal.—Until Dec. 3, 8 P. M., bids will be received by W. W. Chappell, city clerk, for construction of a drainage structure on Russett St. involving:

- (1) 1,809 lin. ft. 42-in. reinf. concrete pipe conduit;
- (2) 499 lin. ft. 36-in. do;
- (3) 89 lin. ft. 24-in. do;
- (4) 49 lin. ft. 21-in. do;
- (5) 5 brick manholes with conc. base and cast iron top;
- (6) 1 brick manhole with cast iron top.

LOS ANGELES, Cal.—Until 10 A. M., Dec. 2, new bids will be received by the Los Angeles Board of Public Works for constructing sewers in the West Channel Road Sewer District, involving:

- (1) Sanitary sewer involving: 1446.65 ft. 15-in. cement pipe, \$76.69 feet of 12-in. cement pipe, 1533.46 feet of 10-inch cement pipe, 13 manholes "B," three drop manholes "C," 5 junction chambers "E," one junction chamber "H," one lamphole "Z," 22 manholes frame and cover sets, 76 ft. concrete reinforcement type "X," 800 ft. concrete reinforcement type "Z," 1447 ft. concrete reinforcement, type "Z";
- (2) 1290 ft. 6-in. house connections;
- (3) 17.8 vertical ft. chimney;
- (4) 20,745 sq. ft. class "AA" resurf.;
- (5) 7615 sq. ft. class "C" resurfacing;
- (6) 254 sq. ft. class "C" resurfacing, 4-in. thick;
- (7) 178 sq. ft. class "D" resurfacing, 12-in. thick;

Average depth of structures, 11.8 ft.; area of district, 597 acres.

The bids opened October 25 were rejected.

PALO ALTO, Santa Clara Co., Cal.—State Board of Health has approved the plans of the city of Palo Alto for the disposal of settled sewage in San Francisco Bay, 700 ft. off shore and one-half mile north from Sand Point.

The estimated cost of the proposed new sewage system is \$185,000, the larger part of which expense would be borne by the city. A portion of the cost will be borne by Stanford University. It is expected a bonding proposition will be submitted to the local electorate some time this winter for the purpose of financing such improvement, which includes the construction of new mains, a pumping plant and treatment plant on the marsh land.

The pumping plant would have a capacity of five million gallons daily. The treatment plant, consisting of

sedimentation tanks and a digester for separate sludge digestion, would have a similar capacity, according to plans worked out under the direction of J. F. Byxbee, city engineer.

Design of the treatment plant and outfall is to serve a population of 30,000, which would be reached in 12 years. The present population to be served is 17,600.

SAN BERNARDINO COUNTY, Cal.—J. W. Burkhardt, Victorville, at \$747.50 submitted only bid to E. Q. Sullivan, district engineer, State Highway Commission, San Bernardino, for drilling water well at the Baker Maintenance Station. Award of contract will be recommended.

BEVERLY HILLS, Los Angeles Co., Cal.—Until 8 P. M., Dec. 8, bids will be received by city council to construct storm drain in Linden Drive, Roxbury Drive and other streets, involving:

- 3 catchbasins, 10-ft. side openings;
- 6 catchbasins, 10-ft. grating openings;
- 2 catchbasins, 3.5 ft. grating openings;
- 5 catchbasins, 5-ft. side openings;
- 653.6 ft. 12-in. corr. pipe;
- 14 ft. 15-in. corr. pipe;
- 320.5 ft. 18-in. corr. pipe;
- 31.6 ft. 24-in. corr. pipe;
- 67.5 ft. 30-in. corr. pipe;
- 232.4 ft. 36-in. corr. pipe;
- 1123 ft. box section drain;
- 9 manholes with frame and covers;
- 5 shallow manholes with frame and covers;
- 5 culvert frame and covers only.

Note: The time for receiving of bids on the above work has been extended from Nov. 24 (as previously announced) to Dec. 8.

BERKELEY, Alameda Co., Calif.—Until December 8, 10 A. M., bids will be received by Florence E. Turner, city clerk, to install a sewer in Colusa and Visalia Sts., involving:

- (1) 205 ft. 12-in. pipe;
- (2) 100 ft. 10-in. pipe;
- (4) 4 catchbasins;
- (4) 1 manhole.

Specifications include either vitrified or concrete pipe.

WATER WORKS

ALHAMBRA, Los Angeles Co., Cal.—U. S. Pipe & Foundry Company was awarded contract by city commission at \$3218 for furnishing cast iron pipe as follows: 3100 ft. 6-in.; 2000 ft. 8-in.

TRACY, San Joaquin Co., Cal.—City council rejects all bids received Nov. 17 to extend water system. Work will be done by day labor under supervision of City Engineer E. T. A. Bartlett. Project involves:

- (1) 850 ft. 6-in. C. I. pipe;
- (2) 20 ft. 4-in. C. I. pipe;
- (3) 2 fire hydrants;
- (4) 2 6-in. C. I. valves;
- (5) 2 4-in. C. I. valves;
- (6) 1 8 to 6 T;
- (7) 2 6 to 6 T;
- (8) 1 6-in. L;
- (9) 2 6 to 4 T.

SAN FRANCISCO — Constructing Quartermaster, Fort Mason, is preparing plans for improvements to water system, involving:

- (1) construct pump house;
- (2) 2000 lin. ft. cast iron pipe, valves; 1 water meter and fittings;
- (3) 1 1000 g. p. m. centrifugal pump and motor.

It is expected that bids will be asked the latter part of this month.

SAN FRANCISCO.—Until Nov. 30, 3 P. M., under Proposal No. 777, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish standard weight galvanized steel pipe for the San Francisco Water Department. To be in random lengths, threaded and coupled; for Mill Shipment, each 639 Bryant St., San Francisco, as follows:

- (1) 1,000 ft. $\frac{3}{4}$ -inch;
- (2) 25,000 ft. $\frac{3}{4}$ -inch;
- (3) 2,000 ft. 1-inch;
- (4) 5,000 ft. 1 $\frac{1}{2}$ -inch;
- (5) 5,000 ft. 2-inch.

Specifications and further information obtainable from above office.

LOS ANGELES, Cal.—Until 11 A. M., November 25, bids will be received by city purchasing agent, Thos. Oughton for furnishing copper service connection tubing to the department of water and power under Specification No. 2667. The items are:

- (1) 6426 lbs. (10,000 feet) $\frac{3}{4}$ inch;
- (2) 8290 lbs. (10,000 feet) 1 inch.

F. O. B. 410 Duncommon St.

KINGSBURG, Fresno Co., Calif.—General Paint Corp., 160 Fremont St., San Francisco, at 421 submitted low bid to city council November 16 to scrape, clean, caulk and paint water tank and tower of the Municipal Water Co. Shullman-Conray Paint Co., San Francisco, at 475 submitted only other bid. Bids taken under advisement until Dec. 7.

FAIRFIELD, Solano Co., Cal.—L. D. Buck, Dixon, at \$763.95 awarded contract by city council to furnish and install a deep well turbine pump. Complete bids published in issue of Nov. 16.

OAKLAND, Alameda Co., Cal.—Until December 3, 5:30 P. M., bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, to furnish approximately 78,000 feet of cast iron pipe as follows:

- (1) 8000 ft. 2-in.;
- (2) 25,000 ft. 4-in.;
- (3) 20,000 ft. 6-in.;
- (4) 25,000 ft. 8-in.;

Specifications No. LS 69 obtainable at Room 33, 512 16th St., Oakland.

LYNWOOD, Los Angeles Co., Cal.—A \$125,000 water bond issue will probably be placed on the ballot next April. A. J. Bateman, city engineer, has been appointed water superintendent. He will retain his appointment as city engineer and supervise the work of both offices.

PASO ROBLES, San Luis Obispo Co., Cal.—City Engineer Hal Johnson will make survey of water resources with a view to increasing the present facilities for domestic supply and better fire protection.

GLENDAL, Los Angeles Co., Cal.—Southwest Foundry & Machine Co., 1451 Water St., Long Beach, submitted low bid to city council at \$65 per ton for furnishing 22 tons bell and spigot cast iron fittings to the public service department. The other bids were: Hercules Foundry Co., \$70; Reliable Iron Foundry, \$71.50; National Cast Iron Pipe Co., \$74.40; C. G. Claussen & Co., \$74.70; Hackett Pipe & Supply Co., \$74.80; U. S. Pipe & Foundry Co., \$80; Utilities Equipment Corp., \$84.90; American Cast Iron Pipe Co., \$90, \$95 and \$100, according to type.

LONG BEACH, Cal.—Western Pipe & Steel Co., 5717 Santa Fe Ave., Los Angeles, awarded contract by the city manager at \$137,000, for the fabrication and erection of six steel tank

water reservoirs on Alamitos Hill. Each tank will be 132 ft. in diameter and 35 ft. high.

PASADENA, Los Angeles Co., Cal.—Until 11 A. M., Dec. 2, bids will be received by the Pasadena city directors for furnishing the city 15 tons of Class B best iron water pipe, in 16-ft. lengths, as follows:

- (1) 50,000 ft. 6-in. pipe;
- (2) 20,000 ft. 8-in. pipe;
- (3) 12,000 ft. 12-in. pipe;
- (4) 24 ft. 14-in. pipe; and
- (5) 2400 ft. 16-in. pipe;

Specifications as follows:

- 50 6x6-in. tees;
- 30 8x6-in. tees;
- 12 8x8-in. tees;
- 18 12x6-in. tees;
- 6 12x8-in. tees;
- 2 12x12-in. tees;
- 6 8x6-in. crosses;
- 6 12x8-in. crosses;
- 1 12x12-in. cross.

All pipe shall conform to the AWA specifications. The estimated cost of the material to be purchased is approximately \$55,000. S. B. Morris, water superintendent, Bessie Chamberlain, city clerk.

MARCH FIELD, Riverside Co., Cal.—Until 11 A. M., Dec. 4, bids will be received by Col. W. C. Gardenhire, Contracting Quartermaster, March Field, to install a deep-well turbine pump with electric control, a well pump to ground tank at March Field. Specifications obtainable from constructing quartermaster upon deposit of \$5. Work will involve the furnishing and installation of a deep-well, motor-driven turbine pump, with automatic electric control, and 675 feet of discharge pipe connecting to ground tank; also the construction of a 14x14 foot well pump house with concrete walls, tile roof and steel sash.

EUGENE, Ore.—Parker-Schram Co., Couch Bldg., Portland, Ore., at \$59,592 awarded contract by city commissioners to construct filter plant in connection with municipal water system. Stevens and Koon, engineers, Portland. Complete list of bids follows:

Parker-Schram Co.	\$59,592
Hargreaves & Lindsay, Eugene	65,825
Stien Bros., Eugene	69,602
L. C. Creelman, Seattle	78,744
L. H. Hoffman, Portland	92,450
Oregon Bridge & Dredging Co., Portland	73,686

RIVERSIDE, Riverside Co., Calif.—Construction of approximately 12,000 ft. of 24-in. Hume concrete-stee pipe line between the city water mains and the new emergency well in the Russell Tract on North Orange Street has been started by city forces under the direction of W. A. Scott, water superintendent.

BOISE, Idaho.—E. F. Lessinger, 221 South Tenth St., Boise, Idaho, at \$9,800 submitted low bid to the Supervising Superintendent of Construction U. S. Veterans' Hospital, Palo Alto, Calif., to furnish and install, complete, at the Veterans' Hospital, Boise, one aerating tank, pump house, pumps and piping.

For complete list of bids received see "Government Work and Supplies" in this issue.

STREETS AND HIGHWAYS

SUNNYVALE, Santa Clara Co., Cal.—Until December 16, 11 A. M., under Specification No. 6704, bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for grading and graveling and oil treating an existing road at the Naval Air Station at Sunnyvale. Specifications obtainable from Commandant of the Twelfth Naval Dis-

trict, 100 Harrison St., San Francisco, on deposit of \$10, returnable, checks for same to be made payable to the Chief of the Bureau of Yards & Docks.

STOCKTON, San Joaquin Co., Cal.—Until December 7, 11 A. M., bids will be received by Eugene D. Graham, county clerk, to grade and surface Leffler Road, No. 571, 2.2 miles in length, involving:

- (1) 2000 cu. yds. grading;
- (2) 4000 cu. yds. shoulder material;
- (3) 1600 tons base rock;
- (4) 2300 tons top rock.

Specifications obtainable from Julius Manthey, county surveyor.

YUBA CITY, Sutter Co., Cal.—Until December 7, 7:30 P. M., bids will be received by Beatrice Johnson, city clerk, (398) to widen Plumas Street, between Teegarden Ave. and Sumner St., involving grading, cem. conc. pavement, 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Edward Von Geldern, city engineer.

HUMBOLDT COUNTY, Calif.—As previously reported, bids will be received December 9, 2 P. M., by State Highway Commission to grade and surface with untreated crushed gravel or stone 0.9 mile of the Dyerville Bridge approaches, involving:

- (1) 7.2 acres clear and grub right of way;
- (2) 66,260 cu. yds. rdwy. excav. without class;
- (3) 215,500 sta. yds. overhaul;
- (4) 448 cu. yds. struc. excav.;
- (5) 1,610 cu. yds. screened gravel (base);
- (6) 1,340 cu. yds. untreated crushed gravel or stone surf.;
- (7) 350 cu. yds. screenings in stockpiles;
- (8) 480 M. gals. water applied to subgrade, base and surf.;
- (9) 5 cu. yds. A. cem. conc. (struc.);
- (10) 200 lbs. bar reinf. steel (struc.);
- (11) 480 lin. ft. 18-in. corr. metal pipe
- (12) 795 lin. ft. 8-in. perf. metal pipe underdrains;
- (13) 105 timber guide posts and culvert markers;
- (14) 46 sta. finishing roadway;
- (15) 32 monuments in place.

The State will furnish corrugated metal pipe, timber guide posts and culvert markers.

MADERA COUNTY, Cal.—As previously reported, bids will be received by State Highway Commission, December 9, 2 P. M., to grade and pave with Portland cement concrete 0.6 mile at Madera, involving:

- (1) 36 trees remove and dispose of;
 - (2) 1020 cu. yds. rdwy. excav. without class.;
 - (3) 18,200 cu. yds. imported borrow;
 - (4) 15 cu. yds. struc. excav.;
 - (5) 6350 sq. yds. subgrade for pave.;
 - (6) 2 cu. yds. "A" cement concr. (struc.);
 - (7) 1460 cu. yds. "A" cem. concr. (pave.);
 - (8) 34,600 lbs. bar reinf. steel (pave. and struc.);
 - (9) 74 lin. ft. 18" corr. metal pipe;
 - (10) 0.4 mi. move and reset existing property fences;
 - (11) 100 tons crusher run base;
 - (12) 1000 tons untr. cru. gravel or stone surface;
 - (13) 600 bbls. fuel oil;
 - (14) 300 cu. yds. cem. conc. and asph. concr. remove from existing pave. and bldg. found.;
 - (15) remove existing bridge;
 - (16) 54 lin. ft. laminated timber guard rail;
 - (17) 31 sta. finish rdwy.;
 - (18) 7 monuments in place.
- The State will furnish corrugated metal pipe.

LOS ANGELES, Cal.—Until 12 M. November 21, bids will be received by county purchasing agent, H. E. Russell, 132 N. Broadway for furnishing 175 tons of asphaltic concrete to the county road department who will call for and deliver. Specifications No. 2019.

SANTA ROSA, Sonoma Co., Cal.—County Surveyor E. A. Peugh has completed plans for 10,000 ft. of timber fencing on both sides of the Jenner to Mendocino County Line Right-of-Way. Bids will be asked at once.

LOS ANGELES, Cal.—Until 10 A. M., Dec. 2, bids will be received by board of public works for improving La Brea Ave. from Washington Blvd. to Exposition Blvd., cash contract, involving:

- (1) 11,737 cu. yds. excavation, 410 cu. yds. fill, including removal of existing improvements and trees;
- (2) 430,962 sq. ft. 2-in. Willite asph. concrete wearing surface;
- (3) 14,799 tons asph. conc. base in place;
- (4) 2845 sq. ft. 8-in. conc. pavement;
- (5) 6553 sq. ft. 6-in. do;
- (6) 182 sq. ft. class C resurfacing;
- (7) 97 sq. ft. class D resurfacing;
- (8) 57,232 sq. ft. 3-in. walk;
- (9) 267 sq. ft. 4-in. walk;
- (10) 16,137 sq. ft. 6-in. walk;
- (11) 90 sq. ft. walk replacement;
- (12) 11,333 ft. heavy unplastered curb;
- (13) 167 ft. light unplastered curb;
- (14) 11,248 sq. ft. 8-in. gutter;
- (15) 337 ft. curb armor;
- (16) 1904 type A traffic markers, installed;
- (17) 476 type B do;
- (18) sanitary sewer;
- (19) 689 ft. house sewers;
- (20) 2686 ft. house sewers (Detail A, Fig. 5890);
- (21) storm drain;
- (22) install ornamental light conduit, complete, remove and reset light posts, etc.;
- (23) 23 manholes to be remodeled.

SAN FRANCISCO.—California Construction Co. Standard Oil Bldg., at \$2,996.22 awarded contract by Board of Public Works to improve Orizaba Ave. between Stanley St. and Alemany Blvd., involving:

- (1) 653 ft. unarmored concrete curb, \$60;
- (2) 3 brick catchbasins, \$85;
- (3) 50 ft. 10-in. V. C. P. culverts, \$109;
- (4) 330 sq. ft. 1-course concrete sidewalk, \$15;
- (5) 30 ft. 6-in. V. C. P. side sewers, \$60;
- (6) 10,652 sq. ft. asph. conc. pavement \$21.

CARSON CITY, Nev.—Until Jan. 6, 2 P. M., bids will be received by S. C. Durkee, State Highway Engineer, to demolish a steel and timber bridge over the Virgin River near Bunkerville, Clark County, and to grade, construct structures, and surface 10.71 miles between the lower bridge over the Virgin River and Mesquite, Clark County. Specifications for demolishing bridge obtainable after Nov. 20 and for grading after Dec. 21, from county clerk's office at Las Vegas, Highway Dept. at Las Vegas or Reno, and U. S. Bureau of Public Roads, 461 Market St., San Francisco, upon deposit of \$15, of which \$10 is returnable. Certified check 5% required with bid.

SAN FRANCISCO.—Bureau of Engineering, Department of Public Works, completes plans to improve Rivera street, between 33rd and 34th

avenues; estimated cost \$800. Project involves:

- (1) 82 ft. concrete curb;
- (2) 2662 sq. ft. asphalt concrete pavement.

SAN DIEGO, Cal.—Until December 2, 11 A. M., under Specification No. 6539, bids will be received by the Public Works Officer, Eleventh Naval District, to improve landing field at the Eleventh Naval District near Del Mar. The work will consist of the grading and miscellaneous work in connection therewith, of approximately 30 acres of land to be used as a landing field for airplanes. Plans obtainable from the Public Works Officer, Foot of Broadway, San Diego, on deposit of \$10, returnable, checks for same to be made payable to the Chief of the Bureau of Yards and Dock.

SAN FRANCISCO.—M. J. Lynch, 478 30th Ave., at \$700 awarded contract by Board of Public Works to construct 5000 sq. ft. artificial stone sidewalk in Brussels Street between Harkness and Wilde Aves. and other streets.

SAN FRANCISCO.—Bureau of Engineering, Dept. of Public Works, 3rd floor, City Hall, completes plans to improve 33rd Avenue between Rivera and Santiago Sts.; estimated cost, \$1,400. Project involves:

- (1) 138 ft. concrete curb;
- (2) 20 ft. 6-in. V. C. P. side sewer;
- (3) 2,755 sq. ft. asph. conc. pavement.

OAKLAND, Cal.—Until Dec. 3, 8 P. M., bids will be received by W. W. Chappell, city clerk, to improve 73rd Ave. from Hillmont Drive to Simson St., involving:

- (1) 8,174 cu. yds. excavation;
- (2) 249 lin. ft. concrete curb with steel guard;
- (3) 1,259 lin. ft. concrete curb without guard;
- (4) 278 sq. ft. gutter;
- (5) 29,640 sq. ft. concrete pavement;
- (6) 225 sq. ft. asph. conc. pavement;
- (7) 1,050 sq. ft. resurface pave. and gutter;
- (8) 274 sq. ft. sidewalk;
- (9) 93 lin. ft. 15-in. conc. pipe conduit;
- (10) 43 lin. ft. 10-in. do;
- (11) 2 storm water inlets, type "B";
- (12) 1 storm water inlet, 21-in. opening.

Specifications obtainable from city clerk, Walter N. Frickstad, city engineer.

LOS ANGELES, Cal.—Until 10 A. M., Dec. 2, new bids will be received by Board of Public Works for improving streets in Eureka Drive and Brill Ave. Improvement District (1911 act) (center line length 1342 feet), involving:

- (1) grading (3945 cu. yds. cut, 1991 cu. yds. fill);
- (2) 30,976 sq. ft. conc. paving, 6-in. thick longitudinal contracting joints and transverse expansion and contraction joints;
- (3) 1589 lin. ft. unplas. light curb;
- (4) 973 lin. ft. reinf. integral curb;
- (5) 5329 sq. ft. one course sidewalk;
- (6) sanitary sewer, complete, not including service connections;
- (7) 271 lin. ft. house connection sewers;
- (8) water system, complete, not including service connections;
- (9) 14 (units) water service connections;
- (10) 4 reinf. concrete posts.

Removals: 14 trees; price to be included in lump sum bid for grading. The bids opened April 15 were rejected.

FULLERTON, Orange Co., Cal.—Proceedings for the improvement of Spadra Road and Whittier Blvd., from the Pacific Electric Ry. to the north city limits, have been abandoned by the Fullerton City Council. The California Highway Commission will proceed with the improvement as a state job. The quantities as estimated by C. M. Thorpe, Fullerton city engineer, follow:

- 19,372 cu. yds. grading;
 - 19,187 lin. ft. concrete curb;
 - 368,296 sq. ft. 6-in. asphalt paving;
 - 207,800 sq. ft. asphaltic conc. surf.;
 - 378 lin. ft. pipe culverts.
- The estimated cost is \$138,505.

LOS ANGELES, Cal.—Until 10 A. M., Dec. 2, bids will be received by Board of Public Works for improving Yosemite Way, between Yosemite Dr. and Zaca Place, and portions of other streets in Yosemite Way and Yosemite Drive Improvement District (3457 ft. center line), 1911 Act, involving:

- (1) grading (6117 cu. yds. cut, 5250 cu. yds. fill);
- (2) 78,364 sq. ft. 6-in. conc. pave.;
- (3) 837 sq. ft. 8-in. conc. local depressions;
- (4) 422 sq. ft. 4-in. asph. conc. wearing surf.;
- (5) 2051 ft. reinf. integral curb ;
- (6) 5192 ft. special cement curb ;
- (7) 465 sq. ft. 1-course walk;
- (8) storm drain;
- (9) sanitary sewer;
- (10) 841 ft. house sewers;
- (11) water system;
- (12) 98 water services;
- (13) 424 ft. wooden guard rail;
- (14) redwood bulkhead complete.

Remove: 374 sq. ft. walk, 55 ft. curb, 300 sq. ft. gutter, 224 ft. wooden guard rail, 12 trees, 72 ft. 18-in. concrete pipe; reset 4 manholes.

SAN DIEGO, Cal.—H. H. Peterson, 1711 West Atlantic St., San Diego, submitted low bid to, and was recommended for the award of contract by, the Public Works Officer, Eleventh Naval District, San Diego, Nov. 19, at \$5700 for the construction of drains and concrete pavement at the Naval Operating Base (Air Station), under Specification No. 6473. The work will consist of the finished grading and the paving of concrete road with Portland cement concrete, 6 inches thick, laid in one course, with standard and trucking curbs; also storm water drains, concrete inlets and brick manholes.

SAN DIEGO, Cal.—H. N. Peterson, 1711 W Atlantic St., San Diego, at \$5,495 awarded contract by Public Works Officer, Eleventh Naval Dist., under Spec. No. 6473, to construct drains and concrete pavement at the Naval Operating Base (Air Station), San Diego. Complete list of bids follows:

- H. H. Peterson, 1711 W Atlantic St., San Diego, at \$5,495.
- B. G. Carroll, 4396 Maryland Ave., San Diego, \$5,725.
- Frank Doran, 345 Spreckels Theatre Bldg., San Diego, \$5,800.
- F. A. Rhodes, 2160 Hickory St., San Diego, \$5,922.
- Yglesias Bros., Inc., Box 25, San Diego, \$5,950.
- J. A. Hunt, P. O. Box 146, San Diego, \$6,341.
- O. U. Miracle, 4751 Monroe Avenue, San Diego, \$6,560.

SUNNYVALE, Santa Clara Co., Cal.—Raymond Concrete Pipe Co., Hunter-Dulin Bldg., San Francisco has awarded the grading at the Sunnyvale Dirigible Base to D. MacDonald, 811 M St., Sacramento.

SAN DIEGO, Cal.—Until Nov. 28, 11 A. M., under Spec. No. 6757, bids will be received by Public Works Officer, Eleventh Naval District, for grading field at the Naval Operating Base (Camp Kearney Mesa), San Diego. The work includes the clearing and grading of a circular area of approximately 46 acres of land as required for a landing field and the construction of drainage ditches. Plans obtainable from the Public Works Officer on deposit of \$10, returnable, checks for same to be made payable to the Chief of the Bureau of Yards and Docks.

BUREKA, Humboldt Co., Cal.—Until Dec. 1, 5 P. M., bids will be received by A. Walter Kildale, city clerk, to furnish 1,000 cubic yards of screened gravel, more or less. Specifications obtainable from city clerk.

ENGINEERING SOCIETIES EMPLOYMENT SERVICE

Further information regarding positions listed in this column is obtainable from Newton D. Cook, Room 715, 87 Post Street, San Francisco. (Phone SUtter 1684).

R-3706-S EXPERIENCED DESIGNER and builder of centrifugal pumps desires to locate one or more men, who can invest a total of \$24,000 to finance a business which can show exceptionally good prospects. Location Bay Region.

W-3286-C GRADUATE ENGINEERS, 30-35, mechanical, or chemical, experience in designing and laying out refinery process equipment. Civil engineers considered. A practical chemical engineer thoroughly familiar with current refinery practice and able to take the initiative in design of equipment to meet various refinery treating problems preferred. Salary, \$225 a month. Apply only by letter. Location, Middlewest.

R-3701-S RESEARCH CHEMIST, experienced, to direct research in the application of products manufactured by new company. Must be experienced in organic research. Salary depends upon man. Apply by letter giving details of experience, etc. Location, Southern California.

R-3702-S ENGINEER, preferably single, not over 35, with building construction experience and some sales ability, for inspection work on fire prevention problems. Salary to start, \$215 month and expenses in the field. Headquarters, San Francisco.

R-3708-S SALES DIRECTOR, technical man preferred, experienced in merchandising methods and capable of adapting himself to an expanding market, which will cover the entire U. S. A. Must be willing to make investment which will insure permanent connection. Location, San Francisco.

R-3709-S ELECTRICAL ENGINEER, familiar with radio and sound engineering, production costs and systems, for an executive position with a company producing radio programs for electrical transcription or to start. Must be able to make stock investment in company. Location, San Francisco.

Fenestra steel windows for hotels and apartments, public and office buildings, colleges and universities and corrective institutions are described in four recent bulletins of the Detroit Pressed Steel Products Co., 2250 Grand Boulevard, Detroit, Mich.

Steel Plate Lining Proposed for Hoover Dam Tunnel Project

Steel lining for the Hoover Dam pressure tunnels is recommended in a report made by the Colorado River Board to the secretary of the Interior, according to Engineering News-Record. "Concrete lining is inadequate for this purpose as the pressures involved," the board reports. "Steel plate should be used as a container of the water in the pressure tunnels below the reservoir."

The board recommends further study to determine the best type of curves in the spillway tunnels. Each of the spillways has a discharge capacity of 200,000 sec.-ft., which involves a velocity in the tunnels approaching 180 ft. per second. Under such conditions the safety of the tunnels will depend on the integrity of the lining, the board says, "especially in its competence to withstand the erosive and plucking action of water at the high velocities involved, velocities approximately double previous engineering experience."

The board emphasizes the necessity of securing the best possible quality of concrete. The major objective, the report says, should be to secure essentially a monolithic condition which calls for thorough grouting of voids over the arch of the tunnel and seams in the surrounding rock.

The report is signed by Major Gen. William L. Slicht, chairman; Charles P. Burke, Daniel W. Mead, Warren J. Mead and Robert Ridgway.

Tips, Inc., 515 Cathedral St., Baltimore, Md., has been organized to distribute cutting and welding tips, apparatus and accessories. Otto W. Dieffenbach, formerly secretary of the Black & Decker Mfg. Co., Townson, Md., is president of the new organization.

COLUMBUS MEMORIAL ARCHITECT SELECTED

J. L. Gleave of England, has been selected as architect for the proposed Columbus Memorial Lighthouse to be erected by the Dominican government to mark the first landing place of Christopher Columbus in the western hemisphere.

Announcement of the selection was made at a recent meeting of the governing board of the Pan American Union at Washington.

Selection of an architect was made by a world-wide competition conducted in two stages, the drawings submitted being judged by an international jury.

The next step will be the raising of funds to build the lighthouse. All of the countries included in the Pan American Union are expected to contribute to the project and additional funds will be raised by popular subscriptions in these countries. The campaign for popular subscriptions will probably be deferred until economic conditions have improved.

Following a suggestion advanced by the California State Unemployment Commission, Governor Rolph has appointed a committee of 11 to consider the advisability of establishing State camps for unemployed men this winter. The Commission proposed establishing camps for unmarried men who would construct firebreaks around towns which might be threatened by forest and brush fires, build firebreaks in the mountains, and carry on other work for the protection of watershed areas.

Electrical Workers To Promote New Jobs

Unemployment is created when business begins to lag, so why not engage the unemployed to go out and revive business and thus restore their own jobs, says an NEA dispatch from Washington.

Such a plan is obviously impracticable in many industries and cannot be advanced as a panacea for economic ailments in this imperfect world. But it is exactly the plan now being tried by the International Brotherhood of Electrical Workers and its 30,000 or more jobless members in co-operation with the Electrical Guild of North America, an organization of large contractors.

Based on the theory that journeymen electricians are well equipped to advise as to electrical installations and extensions, the plan is this:

Unemployed union members, acting as salesmen for contractors on a commission basis, will undertake to sell re-wiring and remodeling jobs in private homes and buildings of all kinds. The result should be a stimulation of the electrical industry.

Increased employment for electricians would follow automatically.

Obviously this is a self-interested scheme for the entire industrial group concerned.

The guild is undertaking to stir up the contractors for co-operation with the unions working on the list provided by the union as well as through its own membership in some of the largest cities.

Nineteen million homes, according to campaign statements, are "inadequately wired." Few homes, it is asserted, are strictly modern, in view of the rapid spread of radio, television, electric cooking, electric refrigeration, electric cooling and electric heating. Salesmen are told to offer first a free inspection service and then estimates on jobs. They are to use the arguments of comfort, convenience, safety and happiness with "no sob stuff," the virtue of helping reduce unemployment.

CONSULTANTS NAMED ON AQUEDUCT PROJECT

Three nationally known consulting engineers to advise the Metropolitan Water District of Southern California on construction of the Colorado river aqueduct have been appointed by the directors of the district. They are Harvey S. Mudd of Beverly Hills, mining engineer and capitalist; Royal W. Sorenson, professor of electricity at California Institute of Technology at Pasadena, and Arthur P. Davis of Oakland, former chief of the Reclamation Bureau and later chief engineer of the East Bay Municipal Utility District.

Mr. Davis will fill the vacancy caused by the death of A. J. Wiley. He has just returned from Russia, where he supervised construction of a great irrigation project near Turkestan for the Soviet government. Mr. Mudd will be consulted chiefly on problems arising in construction of the 98 miles of tunnels in the aqueduct. Prof. Sorenson is an authority on electrical transmission and an expert in designing motors.

Two recent publications of the New Jersey Zinc Co., 160 Front St., New York City, deal with the use of zinc die castings in various industries and the plating of rolled zinc and zinc die castings.

Contracts Awarded Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
1667	Houlahan	Owner	1500
1668	Mutter	Johnston	1500
1669	Collin	Franceschi	6000
1670	Peenstra	Owner	1100
1671	Steinauer	Owner	8000
1172	Hallgren	Owner	4500
1173	Grosman	Owner	4000
1174	Meyer	Owner	5000
1175	Heyman	Owner	4000
1176	McCarthy	Owner	4000
1177	Taraveller	Owner	7000
1178	Struthers	Owner	4000
1179	P T & T	McDonald	180000
1180	Reiman	Owner	6500
1181	Hemminga	Owner	3500
1182	Grahn	Owner	7000
1183	Herzig	Owner	10500
1184	Stoneson	Owner	4000
1185	McDonough	Owner	8000
1186	StSaviour	Wagner	3000

ALTERATIONS

(1667) 3744 16th ST.; alter flat into apts.
Owner—H. J. Houlahan, 1760 Broadway.
Architect—H. Harris, 815 Balboa St.
\$1500

ADDITION

(1668) 71 SAN FELIPE WAY; addition to dwelling.
Owner—W. W. Mutter, 71 San Felipe Way.
Architect—Not Given.
Contractor—C. H. Johnston, Richmond
\$1500

FLATS

(1669) E BAKER ST 50 S Chestnut; two-story and basement frame (2) flats.
Owner—J. Collin, 64 Toledo Way.
Architect—R. R. Irvine, Call Bldg.
Contractor—L. Franceschi, 1408 Jefferson.
\$6000

ALTERATIONS

(1670) 3870 24th; alter dwelling for shop.
Owner—W. Peenstra, 3870 24th.
Architect—Not Given.
\$1100

FLATS

(1671) E WEBSTER 75 N North Pt.; 2-story and basement (2) flats.
Owner—S. Steinauer, 755 27th Ave.
Architect—R. R. Irvine, Call Bldg.
\$8000

DWELLING

(1172) S DARIEN WAY 144 W Northgate Drive; one-story and basement frame dwelling.
Owner—A. Hallgren, 1594 29th Ave.
Architect—Not Given.
\$4500

DWELLING

(1173) N GENEVA AVE 100 E Vlen-na; one-story and basement frame dwelling.
Owner—W. E. Grosman, 47 Curtis Avenue.
Architect—Not Given.
\$4000

DWELLING

(1174) N ROCKDALE 415 W Del Sur; one-story and basement frame dwelling.
Owner—Meyer Bros., 727 Portola Dr.
Plans by Owner.
\$5000

DWELLING

(1175) N PACHECO 107 E 17th Ave; one-story and basement frame dwelling.
Owner—Heyman Bros., 742 Market St.
Plans by Owner.
\$4000

DWELLING

(1176) E 26th AVE 100 S Rivera; 1-story and basement frame dwelling.
Owner—J. E. McCarthy, 1342 Funston Avenue.
Plans by Owner.
\$4000

DWELLING

(1177) NE COR ORD and 17th; one-story and basement frame dwelling.
Owner—J. and M. Taraveller.
Architect—Fabre and Hildebrand, 110 Sutter St.
\$7000

DWELLING

(1178) SW COR. VICENTE and 16th Avenue; one-story and basement frame dwelling.
Owner—M. J. Struthers, 1887 San Jose Avenue.
Plans by Owner.
\$4000

TELEPHONE EXCHANGE

(1179) SE COR. PINE and Steiner; three-story class A telephone exchange.
Owner—Pacific Tel. & Tel. Co.
Plans by Owner.
Contractor—MacDonald & Kahn, 200 Financial Center Bldg.
\$180,000

FLATS

(1180) E WEBSTER 100 S Beach; 2-story and basement frame (two) flats.
Owner—W. R. Reiman, 281 Mallorca Way.
Plans by Owner.
\$6500

DWELLING

(1181) W 35th AVE 103 S Balboa St; one-story and basement frame dwelling.
Owner—N. Heminga, 627 38th Ave.
Plans by Owner.
\$3500

DWELLINGS

(1182) W TOCLOMA 62 N Blanken Ave; two 1-story and basement frame dwellings.
Owner—W. H. Grahn, 2965 Mission St.
Architect—Not Given.
each \$3500

DWELLINGS

(1183) W 27th AVE 25 N Vicente; three 1-story and basement frame dwellings.
Owner—A. J. Herzig, 2300 Ocean Ave.
Plans by J. H. Vore, Oakland.
each \$3500

DWELLING

(1184) S SENECA AVE 115 E Delano; 1-story and basement frame dwelling.
Owner—Stoneson Bros. & Thorinsson, 279 Yerba Buena Ave.
Architect—C. F. Strothoff, 2740 15th Street.
\$4000

DWELLINGS

(1185) W 44th AVE. 85 N Fulton St.; two 1-story and basement frame dwellings.
Owner—M. McDonough, 148 Randall.
Architect—Not Given.
each \$4000

ADDITION

(1186) 720 41st AVENUE; addition to dwelling.
Owner—Sisters of St. Saviour, 720 41st Avenue.
Plans by Owner.
Contractor—G. Wagner, 181 So. Park.
\$3000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
265	San Francisco	Zelinsky	7800
266	Paganocci	Luchini	4250
267	Collin	Franceschi	7300
268	Standard	Fraser	1579
269	Begley	Weinberger	8600

PAINTING, ETC.

(265) SW POLK and Grove Streets in Civic Center; painting, varnishing, etc., for Health Center Bldg.
Owner—City and County of San Francisco, by H. L. Petersen, contractor, 731 Treat Ave.
Architect—Samuel Heiman, 605 Market Street.
Sub-Contractor—A. A. Zelinsky & Co., 4420 California St.
Filed Nov. 20, '31. Dated Nov. 19, '31.
Monthly before the 10th.....75%
Usual 35 days.....25%
TOTAL COST, \$7800
Bond, \$7800. Sureties, Union Indemnity Co.

DWELLING

(266) INGALLS ST. 100 ft N of Palou Ave.; all work on 6-room, break-fast nook and basement frame dwelling.
Owner—V. Paganocci.
Architect—Not Given.
Contractor—Joe. Luchini, 40 Ceres St.
Filed Nov. 21, '31. Dated Oct. 19, '31.
Roof on\$1,250
Brown coated1,000
Completed1,000
Usual 35 days1,000
TOTAL COST, \$4,250

BUILDING

(267) E BAKER ST 50 ft south of Chestnut St.; all work to erect building.
Owner—J. Collin.
Architect—R. Irvine, Call Bldg.
Contractor—L. Franceschi, 1930 Beach Street.
Filed Nov. 21, '31. Dated Nov. 20, '31.
Frame up and roof on.....\$1,825
Plaster on1,825
Completion notice filed.....1,825
Usual 35 days1,825
TOTAL COST, \$7,300
Bond, \$3,650. Sureties, M. Desiano and J. Carosso. Forfeit, \$500. Limit, 90 days.

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - California

PAINTING & PAPERING

(268) E LYON ST. bet. Greenwich and Lombard Sts. 2680 Lyon St.; interior painting and papering of apartment house.
Owner—Standard Bldg. & Loan Assn.
Architect—E. A. Neumarkel, 340 Kearny Street.
Contractor—J. P. Fraser & Wibel, 2809 Kearny St.
Filed and Dated, Nov. 23, 1931.
25% of work done \$400
Completed and accepted 775
Usual 35 days 400
TOTAL COST, \$1,575
Specifications filed.

FLATS

(269) E PROSPECT AVE. 125 S Virginia Ave. 25 E 70 N 25 W 70; all work for two-story and basement frame flats.
Owner—Mr. and Mrs. James J. Begley, 1005 Market St.
Architect—Not Given.
Contractor—H. S. Meinberger, 343 4th Street.
Filed Nov. 24, '31. Dated Nov. 16, '31.
Frame up \$2150
Brown coated 2150
Completed and accepted 2150
Usual 35 days 2150
TOTAL COST, \$8600
Limit, 120 days. Plans and Spec. filed.

COMPLETION NOTICES

San Francisco County

Recorded Accepted

Nov. 18, 1931—E THIRTIETH AVE. 277-13 N Cabrillo N 25x E 120. H. Schommonson to B. M. W. & Son, Inc. Nov. 18, '31
Nov. 18, 1931—W THIRTY-SECOND AVE. 277-13 N S N 10 W 120. H. M. W. & Son, Inc. to B. M. W. & Son, Inc. Nov. 18, '31
Nov. 18, 1931—SIXTH ST. E 6th bet. Jessie and Stevenson Sts. S W Dock Co. to W. W. Robinson Nov. 18, '31
Nov. 20, 1931—W CASTRO 80 S 28th S 34 x W 50.10. Marshall T. Struthers to whom it may concern Nov. 20, '31
Nov. 20, 1931—E 27th AVE 168 North N 16x E 120. Ted W. Woods to whom it may concern Nov. 20, '31
Nov. 20, 1931—W 14th AVE 190 S Santiago 80x127-6. J. Mager to whom it may concern Nov. 20, '31
Nov. 20, 1931—W VERNON 340 S Holloway Ave. I Kuter to G. Heden Nov. 21, '31
Nov. 21, 1931—S MARINA BLVD 387-584 E Fillmore E 28 x S 100. S Cumberpatch to David Adams Nov. 21, '31
Nov. 21, 1931—E 34th AVE and Cabrillo St 25 on 34th Ave. x 95 on Cabrillo. John and A. Smythe to P. J. Phelan Nov. 20, '31
Nov. 21, 1931—N WAWONA 90 East 16th Ave E 25 x N 100 OL 1253. Thos Broderick to whom it may concern Nov. 21, '31
Nov. 21, 1931—E 14th AVE 175 South Ulia S 25 x E 120. H. F. and Violet M. Jamieson to Henry Doelger Nov. 20, '31
Nov. 19, 1931—SW PARADISE AVE 156-61 SE Elk SE 64-69 S 41 deg 37 min 04 sec W 100-61 to NE line Elk Q 2nd Addn to Glen Park Terrace N 61 deg 11 min 56 sec W 14-67 N 70 deg 35 min 56 sec W 8-22 N 19 deg 24 min 04 sec E 110-16 to beg. J. Stura vs F. Slepniakoff \$200

Nov 19, 1931—LOT 21 BLK X map 10th Park Lane T'et, Map 3. Henry and Theoline Doelger to whom it may concern November 19, 1931
Nov 19, 1931—S BOSWORTH 130-7% W Congo W 50 x S 117. Henry Lamotte to whom it may concern November 19, 1931
Nov 19, 1931—W 24th AVE 225 N Santiago N 25 x W 120, W 27th Ave 100 S Rivera S 25 x W 120. Henry Doelger to whom it may concern November 19, 1931
Nov 19, 1931—E 14th AVE 190 South Santiago 30x127-6. Jacob Mager to whom it may concern Nov 17, 1931
Nov 19, 1931—3166-3168 WASHINGTON ST. Mechanics' Bldg & Loan Assn to Chas Koenig & Son November 17, 1931
Nov 20, 1931—LOT 2 BLK 4379 and 4 blk 4380, Assessors Map those ptns of streets filled W 1/2 Tennessee from pt 25 N of N Tulare to 2nd N of N Tulare. W. M. Minnesota from pt 125 N Tulare to pt 200 N Tulare. Islais Creek Reclamation Dist to Meyer Rosenberg November 12, 1931
Nov 20, 1931—2101-2107 SAN JOSE Ave, 353 Oneida St. Thomas J Sullivan to whom it may concern November 20, 1931
Nov 20, 1931—LOTS 1 to 13, 33 to 48 and 48-A Blk 5246, Assessor's map the ptns of streets so filled W 1/2 of Selby St from N Galvez Ave to pt 240 N from N Galvez Ave N 1/2 of Galvez Ave from center line of Selby to pt 300 W Selby. Anglo California Securities Co to Harry Gorman Nov 12, 1931
Nov 20, 1931—ALL LOTS 8, 10, 11 and 12 Blk 3250 map Mt Davidson Manor, San Francisco Theatres, Inc to H. L. Petersen November 14, 1931
Nov 20, 1931—55 SIXTH ST E 6th bet. Jessie and Stevenson Sts. S W Dock Co. to W. W. Robinson November 13, 1931
Nov 20, 1931—W CASTRO 80 S 28th S 34 x W 50.10. Marshall T Struthers to whom it may concern November 5, 1931
Nov 20, 1931—E 27th AVE 168 North N 16x E 120. Ted W. Woods to whom it may concern November 17, 1931
Nov 20, 1931—W 14th AVE 190 S Santiago 80x127-6. J. Mager to whom it may concern November 17, 1931
Nov 20, 1931—W VERNON 340 S Holloway Ave. I Kuter to G. Heden November 14, 1931
Nov 21, 1931—S MARINA BLVD 387-584 E Fillmore E 28 x S 100. S Cumberpatch to David Adams November 13, 1931
Nov 21, 1931—E 34th AVE and Cabrillo St 25 on 34th Ave. x 95 on Cabrillo. John and A. Smythe to P. J. Phelan November 20, 1931
Nov 21, 1931—N WAWONA 90 East 16th Ave E 25 x N 100 OL 1253. Thos Broderick to whom it may concern November 21, 1931
Nov 21, 1931—E 14th AVE 175 South Ulia S 25 x E 120. H. F. and Violet M. Jamieson to Henry Doelger November 20, 1931

LIENS FILED

San Francisco County

Recorded Amount

Nov 19, 1931—SW PARADISE AVE 156-61 SE Elk SE 64-69 S 41 deg 37 min 04 sec W 100-61 to NE line Elk Q 2nd Addn to Glen Park Terrace N 61 deg 11 min 56 sec W 14-67 N 70 deg 35 min 56 sec W 8-22 N 19 deg 24 min 04 sec E 110-16 to beg. J. Stura vs F. Slepniakoff \$200

Nov 17, 1931—W 45th AVE 178 S Geary S 25 x W 120. W B Hocking as Hocking's Hardware vs R H Judson \$84.15
Nov 14, 1931—NE 12th dist NW from Moraga S 25 x W 120. California Terrazo Marble Co vs M Sandoval and D Kavanagh \$74
Nov 20, 1931—3319 MISSION ST. M T Hoaglund and Fred Shuse vs R A Waring, Altvater Realty Company \$60

RELEASE OF LIENS

San Francisco County

Recorded Amount
Nov 20, 1931—SE TURK and Lyon Sts E 137-6 x S 75. Rudolph Stahl to Mrs Nell Golden \$100
Nov 17, 1931—2270 or 269 SE Vienna 650 NE Peru Ave NE 25 x SE 100 Blk 68 Excelsior H.D. H. Copnik to H Schwarz and A Nichols \$81
Nov 17, 1931—1874 or 209 W 25th Ave 225 S Quintara S 75 x W 120. California Const Co to I N Rosekrans
Nov 17, 1931—1866 or 402 E 29th Ave 275 N Rievlar N 50 x E 120 E 29th 275 N Rivera N 50 x E 120 E 29th California Const Co to I N Rosekrans

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Amt.
1606	Whalen	Williamson	4500
1607	Pfrang	Owner	5000
1608	Century	Q R S	9000
1609	Conlogue	Owner	3100
1610	Lodge	Owner	3500
1611	Peters	Owner	2950
1612	Roth	Owner	4500
1613	Graham	Owner	4000
1614	St Mark	Acc	1000
1615	Petersen	Owner	3500
1616	Engelbrecht	Owner	1500
1617	Ferias	Owner	1350
1618	Frierbach	Duncan	4500
1619	Jeffries	Larson	5500
1620	Gerdes	Owner	1925
1621	Krieg	Electric	3000
1622	McBride	Owner	5950
1623	Muller	Owner	3000
1624	Syndicate	Short	4500
1625	Swindell	Owner	2750

RESIDENCE

(1606) NO. 110 BROOKSIDE DRIVE, BERKELEY. One-story 5-room 1 family frame residence.

Owner—Whalen & Hufschmidt, 3218 Claremont Ave., Berkeley.

Architect—W. W. Dixon, 1844 5th Ave. Oakland.

Contractor—E. M. Williamson, 3761 Allendale Ave., Oakland. \$4500

DWELLING

(1607) 556 AILEEN ST; OAKLAND; 1½-story 6-room residence.

Owner and Builder—C. J. Pfrang, 6300 Claremont Ave., Oakland.

Architect—Not Given. \$5000

ELECTRIC SIGNS

(1608) E BROADWAY 150 N 14th St; OAKLAND; three electric signs.

Owner—Century Theatre. Architect—Not Given.

Contractor—Q. R. S. Neon Corp., 306 7th St., Oakland. each \$3000

DWELLING

(1609) 1800 68th AVE, OAKLAND; one-story 5-room dwelling and garage.

Owner and Builder—F. W. Conlogue, 2607 64th Ave., Oakland.

Architect—Not Given. \$3100

DWELLING

(1610) 2515 80th AVE, OAKLAND; 1-story 5-room dwelling.

Owner and Builder—C. F. Lodge, 749 Collier Drive, San Leandro. Architect—Not Given. \$3500

DWELLING
(1611) 223 DUNCAN WAY, OAKLAND; one-story 5-room dwelling.

Owner and Builder—A. Lester Peters, 1129 69th Ave., Oakland. Architect—Not Given. \$2950

DWELLING
(1612) 4114 OAKMORE ROAD, OAKLAND; two-story 7-room dwelling.

Owner and Builder—L. W. Roth, 1340 E 35th St., Oakland. Architect—Not Given. \$4500

DWELLING
(1613) 4006 ASPEN PLACE, OAKLAND; one-story six-room dwelling.

Owner and Builder—Lewis Graham, 5435 Claremont Ave., Oakland. Architect—Not Given. \$4000

ELECTRIC SIGN
(1614) NE COR. 12th and Franklin, OAKLAND; electric sign.

Owner—Hotel St. Mark. Architect—Not Given. Contractor—Ace Elec. Sign Service. \$1000

DWELLING
(1615) 3030 LYNE ST, OAKLAND; one-story 6-room dwelling.

Owner & Builder—Petersen & Braum 274 Fruitvale Ave., Oakland. Architect—Not Given. \$3500

RESIDENCE
(1616) NO. 3040 MABEL ST., BERKELEY. One-story 5-room one-family frame residence.

Owner—E. Engelbrecht, 1083 67th St., Oakland. Architect—Not Given. \$1500

DWELLING
(1617) 1445 81st AVE., OAKLAND; one-story 3-room dwelling.

Owner & Builder—James Ferias, 1445 81st Ave., Oakland. Architect—Not Given. \$1450

DWELLING
(1618) NO. 1626 HIGH ST., ALAMEDA Two-story 6-room frame and stucco dwelling.

Owner—Carl Frierbach, 1135 Fountain St., Alameda. Plans by George Duncan. Contractor—George Duncan, 2523 78th Ave., Oakland. \$4500

DWELLING
(1619) NO. 2846 SANTA CLARA AVE., ALAMEDA. Two-story 9-room frame and stucco dwelling.

Owner—Mrs. C. Jeffries, 658 Walla Vista Ave., Oakland. Architect—Not Given. Contractor—Larson & Nielson, 800 Miramar Ave., Oakland. \$5500

STATION
(1620) NW HOPKINS AND HIGH STS., OAKLAND. One-story brick service station and one-story brick grease rack.

Owner—C. D. Gerdes, 2212 21st Ave., San Francisco. Architect—Not Given. \$1925

SIGNS
(1621) NW THIRTY-FOURTH AVE. and E-14th St., OAKLAND. Three electric signs.

Owner—J. J. Krieg Co. Architect—Not Given. Contractor—Electric Products Corp., 950 30th St., Oakland. \$1000 each

DWELLING
(1622) NO. 5908 MONZAL AVE., OAKLAND. Two-story five-room dwelling.

Owner—R. C. McBride Jr., 4127 Broadway, Oakland. Architect—Not Given. \$5950

DWELLING
(1623) NO. 1938 EIGHTY-EIGHTH AVE., OAKLAND. One-story six-room dwelling.

Owner—G. Muller, 2208 81st Ave., Oakland. Architect—Not Given. \$3000

DWELLING
(1624) W CAMELFORD ST. 100 E Ascot Drive, OAKLAND. One-story 6-room dwelling.

Owner—Syndicate Idora Co., 1200 Broadway, Oakland. Architect—Not Given. Contractor—C. W. Short, 574 Rosal Ave., Oakland. \$4500

DWELLING
(1625) S OULOOK AVE 150 W 62nd AVE., OAKLAND. One-story 5-room dwelling.

Owner—D. F. Swindell, 2931 68th Ave., Oakland. Architect—Not Given. \$2750

BUILDING CONTRACTS

Alameda County

169 ALLEN Yerrick 5860

BUNGALOW
(169) PTN OF A CERTAIN 37.17

Acre piece of land firstly described in Deed Realty Syndicate Co. to Calif. Memorial Hospital, June 28, 1919, and recorded in Liber. 2796 of Deeds, Page 66, Oakland. All work for Spanish type bungalow.

Owner—Leslie C and Frances Edna Allen, Oakland. Plans by Contractor.

Contractor—A. J. Yerrick, 5263 College Ave., Oakland. Filed Nov. 23, '31. Dated Nov. 10, '31

Frame up \$1465
When plastered 1465
When completed 1465
Usual 35 days 1465

Bond, \$5860. Surety, Hartford Accident & Indemnity Co. Limit, 150 days. Forfeit, \$3 per day. Plans and specifications filed.

COMPLETION NOTICES

Alameda County

Recorded Accepted

Nov. 18, 1931—LOT 6, Del C. Woodward's Subdiv of Pagoda Hill, Oakland. J H Coupin to Clarence D Rich. Nov. 5, 1931

Nov. 18, 93—PTN LOTS 7 AND 8 Blk A, East Piedmont Heights,

Oakland. First Presbyterian Church of Oakland to A Cederburg. November 10, 1931

Nov. 18, 1931—NO. 2024 NINETEENTH AVE., Oakland. Josephina San Martino to Ward Durgin and S Robbiano. November 12, 1931

Nov. 19, 1931—LOT 7, Ardmore, San Leandro. Earl A Tweed to Henry E Tweed. November 13, 1931

Nov. 20, 1931—LOT 605, Montclair Highlands Exten, Oakland. Minnie Frink to whom it may concern. November 18, 1931

Nov. 20, 1931—PTN LOT 15 BLK 2, Map of East San Leandro, San Leandro. L E Morgan to L R Martin. November 1, 1931

Nov. 20, 1931—SE WEBSTER and 14th Sts, Oakland. Annie C Merriam to Emil Person. November 12, 1931

Nov. 21, 1931—LOT 38, Central Sq Tract, Oakland. Mrs Elsie Moore to Self. November 20, 1931

Nov. 21, 1931—LOT 21 BLOCK 32, Amended map of Fairmont Park, Albany. J F Hubbard to Self. November 20, 1931

Nov. 21, 1931—SEVENTH ST line: Melrose to 73rd Ave. and foot of 73rd Ave, Oakland. Southern Pacific Co to Self. November 15, 1931

Nov. 21, 1931—STATE HIGHWAY bet Greenville and Livermore, Alameda County. Dept of Public Works, Div of Highways, State of California to E Anderson & Son. November 19, 1931

Nov. 21, 1931—LOT 85, E 14th Street Junction City Tract, Eden Twp. Ernest A Santos to C Tollefsen. November 12, 1931

Nov. 23, 1931—NO. 904 KEELER AVE., Berkeley. O M French to O M French. Nov. 20, 1931

RELEASE OF LIENS

Alameda County

Recorded Amount

Nov. 20, 1931—LOT 10 BLK F, Durant Manor, Oakland. W F Garrett doing business as Garrett Mill & Lbr Co to Dudley H E Beeson, C E Davidson. \$44

Nov. 20, 1931—LOT 75, Ardmore, San Leandro. W F Garrett doing business as Garrett Mill & Lbr Co to C E Davidson, Michael Devaney. \$55

Nov. 19, 1931—INTER N LINE OF County Road No 1469 with the W line of road leading from Mission San Jose to Patterson's Pass Murray Twp). Hans Johnsen to Madam Anna Le Pleaux also known as Anna Py. John Doe Py, Melrose Steel Co, Inc. \$253

Nov. 19, 1931—INTER N LINE OF County Road No 1469 with the W line of road leading from Mission San Jose to Patterson's Pass Murray Twp. Eureka Mill and Lumber Co to Madam Anna Le Pleaux also known as Anna Py, John Doe Py, Hans Johnsen. \$275

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INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

BUILDING CONTRACTS

SAN MATEO COUNTY

HOSPITAL

AT COMMUNITY HOSPITAL, San Mateo. General work for clinic on ground floor of hospital.

Owner—San Mateo County.
Architect—Will H. Toepeke, Call Bldg., San Francisco.

Contractor—Joseph Bettancourt, 456 Beach St., San Bruno.

Filed Nov. 16, '31. Dated Nov. 16, '31.
As work progresses..... 75%
Usual 35 days..... 25%

TOTAL COST, \$4530

Bonds, (2) \$2265 each. Sureties, Glenn Falls Surety Co. Limit, 45 working days. Forfeit, \$10. Plans and specifications filed.

ELECTRIC LIGHT FIXTURES, ETC.

on above.
Contractor—Dowd-Seid Elec. Co., 2118 Mission St., San Francisco.

Filed Nov. 16, '31. Dated Nov. 12, '31.
Payments same as above.

TOTAL COST, \$1344

Bonds (2) \$672. Surety, Standard Accident Insurance Co. Limit, 35 working days. Forfeit, plans and specifications, none.

LINOLEUM, ETC., ON ABOVE.

Contractor—Van Fleet-Freear Co., 557 Howard St., San Francisco.

Filed Nov. 16, '31. Dated Nov. 12, '31.
Payments same as above.

TOTAL COST, \$2880

Bond, \$—, Surety, Fidelity Deposit Co. Limit, 35 days. Forfeit, \$10. Plans and specifications, none.

TEMPORARY BLDG.

COURT HOUSE GROUNDS, Redwood City. All work for one-story frame and rustic temporary building for social service.

Owner—San Mateo County.
Architect—Will H. Toepeke, Call Bldg., San Francisco.

Contractor—Ingvard Sorensen, 1128 Lincoln Ave., Burlingame.

Filed Nov. 16, '31. Dated Nov. 14, '31.
As work progresses..... 75%
Usual 35 days..... 25%

TOTAL COST, \$—

Bonds (2) \$935. Surety, United States Guarantee Co. Limit, 35 days. Forfeit, \$10. Plans and specifications filed.

RESIDENCE

LOT 7, Map of Woodstock in Hillsborough. All work for two-story Colonial residence (redwood siding).

Owner—W. H. Bennett et al, 725 Occidental St., San Mateo.

Architect—Not Given.

Contractor—G. W. Williams Co., 315 Primrose Road, Burlingame.

Filed Nov. 16, '31. Dated Oct. 31, '31.
By agreement.....

TOTAL COST, \$22,300

Bond, none. Limit, 90 working days. Forfeit, \$2. Plans and specifications filed.

MOTHER HOUSE

HAVEN AND COLUMBUS STS., Burlingame. General work for 4-story reinforced concrete, tile and brick Mother House and Noviate.

Owner—Sisters of Mercy, Inc., Burlingame.

Architect—Edward A. Eames, 353 Sacramento St., San Francisco.

Contractor—Barrett & Hily, 918 Harrison St., San Francisco.

Filed Nov. 18, '31. Dated Aug. 31, '31.
As work progresses..... 75%
Usual 35 days..... 25%

TOTAL COST, \$148,834

Bond, none. Limit, 175 calendar days.

Forfeit, \$250. Plans and specifications filed.

ELECTRICAL WORK ON ABOVE.

Contractor—Minkel & Lucas, 1535 Folsom St., San Francisco.

Filed Nov. 18, '31. Dated Aug. 31, '31.
TOTAL COST, \$4235

Bond, none. Limit, 3 days after painting is finished. Forfeit, \$10. Plans and specifications filed.

PLUMBING AND HEATING ON ABOVE.

Contractor—O'Mara & Stewart, 218 Clara St., San Francisco.

Filed Nov. 18, '31. Dated Aug. 31, '31.
TOTAL COST—Heating, \$7490; Plumbing, \$9500.

Bond, none. Limit, 3 days after painting is completed. Forfeit, \$100. Plans and specifications filed.

BUILDING PERMITS

SAN MATEO

RESIDENCE, \$4000; W 20 ft. Lot 15 and E 20 ft. Lot 14 Blk 2, No. 284 26th Ave., San Mateo; owner and contractor, Castle Bldg. Co., El Camino and Allen Ave., San Mateo.

RESIDENCE, \$4000; E 20 ft. Lot 11 and W 20 ft. Lot 10, Blk 4, No. 577 26th Ave., San Mateo; owner and contractor, Castle Bldg. Co., El Camino and Allen Ave., San Mateo.

RESIDENCE, \$4000; E 40 ft. Lot 8 Blk 6, No. 231 25th Ave., San Mateo; owner and contractor, Castle Bldg. Co., El Camino and Allen, San Mateo.

RESIDENCE, \$3000; Lot 6 BLK O, Grand Blvd., San Mateo; owner and contractor, Martin O'Brien, 619 First Ave., San Mateo.

RESIDENCE, \$4000; W 40 ft. Lot 4 Blk 2, 26th Ave., San Mateo; owner, E. Erickson; architect, Grimes & Schoening, 235 3rd Ave.

ALTERATIONS, \$5000; Lot 4 Blk 22-B N Claremont and Bellevue Sts., San Mateo; owner, A. Winkler, 422 S. Eldorado St., San Mateo; architect, Grimes & Schoening, 235 3rd Ave., San Mateo.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Nov. 9, 1931—LOTS 28 AND 29 BLK 3, Bell Air Park, San Mateo.

Alessio Comille to whom it may concern.....Nov. 2, 1931

Nov. 9, 1931—LOT 2 BLK 4, Belburn Village, San Mateo. Ida L J Edie to A A Sauers.....Nov. 2, 1931

Nov. 9, 1931—LOT 4 BLK 20, Millbrae Highlands. Oscar M Fritzsche to Oscar M Fritzsche.....November 6, 1931

Nov. 10, 1931—GARFIELD SCHOOL Redwood City. Redwood Grammar School to H H Larson & Co.....November 2, 1931

Nov. 12, 1931—LOT 1 BLK 2, Casa Mateo. Henry Erickson to Henry Erickson.....Nov. 3, 1931

Nov. 12, 1931—LOT 14 BLK 20, Crocker Tract. J E O'Brien to whom it may concern.....Oct. 22, 1931

Nov. 12, 1931—LOT 42 BLK 6, Hillcrest. Ford Smith to whom it may concern.....Nov. 7, 1931

Nov. 13, 1931—PART LOT 5 BLK 19, Baywood. Buschke & Johnson to whom it may concern.....November 13, 1931

Nov. 13, 1931—LOT 25 BLK 118, South San Francisco. Joe Franko to Antonio Pianca.....Nov. 12, 1931

Nov. 16, 1931—LOT 40 BLK E, San Bruno Park. Mathies Drescher et al to Delmar Maede.....November 14, 1931

Nov. 17, 1931—LOTS 9, 11, 13 AND 15 Blk C, Millbrae Park. Joe Guidetti to whom it may concern.....November 17, 1931

Nov. 18, 1931—LOTS 7 AND 10 BLK 20, Millbrae Villa Park. C A Dible to whom it may concern.....November 17, 1931

Nov. 18, 1931—PART LOT 3 BLK 7 Menlo Park. Olive Gladys Lathers to W F Klay.....Nov. 18, 1931

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
Nov. 9, 1931—LOT 6 BLK B, Fay's Redwood Garden. Sudden Lumber Co vs S B Gass et al.....\$44.27

Nov. 10, 1931—PART BLK 24, San Carlos. G W Williams Co vs Robt A Klassen et al.....\$11,315

Nov. 12, 1931—LOT 6 BLK 9, Menlo Oaks. W G Bague, \$324; Gregory & Co, \$170 vs George W Sullivan.....

Nov. 13, 1931—LOT 6 BLK 9, Menlo Oaks. Inyl Baldwinson, \$189; Frank A Gruhert, \$182 vs Arne M Arensen et al.....

Nov. 14, 1931—PART LOT 6 BLK P, Menlo Oaks. George. Trotman, \$532.25; G F Azio, \$437 vs Arne M Arneson.....

Nov. 14, 1931—LOT 4 BLK 6, Baywood. J D Barr vs H A Norton.....\$600

CREDIT ON LIEN

Nov. 14, 1931 — LOT 8 BLK 18, Easton. G Bragato vs R Nobles et al. Two months credit.

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded Amount
Nov. 17, 1931 — LOCATION NOT Given. Roberts Mfg Co, \$—; Pacific Nurseries, \$1078.20; S an Mateo Feed & Fuel Co, \$—; Gus Adolphson, \$— and G W William to Robert Klassen et al.....

Nov. 19, 1931 — LOCATION NOT Given. George R Wilson; W W Tilcomb; Martin Kassner; John Dugish; Albert Cook; R E Reid; San Mateo Planning Mill Co; Frank J Regan; J D Barr; Acme Bldg Supply Co and Pacific Heating Co to G S Conger et al.....

BUILDING PERMITS

BURLINGAME

RESIDENCE, \$5000; Lot 23 Blk 56-E, 5 Vancouver Ave., Burlingame; owner & contractor, Moses Little, 715 S-Humboldt Ave., San Mateo.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Nov. 14, 1931—PIONEER SCHOOL Lot, 1 acre m or l, on that certain amp entitled Map of Subd. of the Norton Tract in Pueblo Tract No. 3, San Jose City Lands. Herman McAbee to Gibson Wheeler Co, Inc.....November 12, 1931

Nov. 17, 1931—PTN LOT 206 BLK 19 Cook & Branham Addn SW 16th St. 192.50 NW Jackson St., San Jose. F A and Mary Cressio to Salvatore Guadino.....Nov. 10, 1931

Nov. 14, 1931—Being most E 12 acres of S ½ of NW ¼ of Sec. 25 Tsp 7 S R 1 W M D M, except ptn

which lies bet. center line and N line of Hamilton Ave, San Jose. J J Triguero to whom it may concern.....Nov. 13, 1931

Nov. 21, 1931—LOT 1, BLK 1, Map of resurvey and resubd of Lots 21 to 26 incl Blk 1, Ptn Lots 7 and 14 Blk 3, Lots 1 to 15 incl and Lot 23 Blk 7, Palm Haven, also Ptn Lot 1 of resubd of Palm Haven, Grover S and Idell Carpenter to whom it may concern.....Nov. 13, 1931

Nov. 21, 1931—LOT 6 BLK 1, Map of Jas. A. Clayton & Co's Subd of Vendome Grounds, San Jose. Geo D and Margaret F McCrary to whom it may concern.....Nov. 13, 1931

Nov. 21, 1931—LOT 13 BLK 11, Rose Lawn, San Jose. Minnie E Rebell to George Veteran.....Nov. 20, 1931

Nov. 21, 1931—ALL LOT 13, part Lot 14 Blk 57, Seale Addn No. 2, Palo Alto. N P Nelander to Theo M Carlton.....Nov. 20, 1931

Nov. 18, 1931—SE 53 PT, LOT 12, Blk 141, Embarradero Oaks, Palo Alto. James T Cotter to Wells P Goodenough.....Nov. 17, 1931

Nov. 18, 1931—LOTS 18 AND 19 BLK 19, Vendome Park, San Jose. E E Schrimsher to E E Schrimsher.....Nov. 9, 1931

Nov. 19, 1931—NE TWENTIETH ST. 143.35 NW Williams St. being Ptn Lots 7 and 8 Blk 23, Beach's Addition to East San Jose. J B McCormick to W H Rader.....Nov. 19, 1931

Nov. 20, 1931—LOT 21 BLK 37, Seale Addition No. 2, Palo Alto. Cleveland Smith to Cleveland Smith.....Nov. 19, 1931

LIENS FILED

SANTA CLARA COUNTY

Recorded	Amount
Nov. 15, 1931—LOT 31 AND 1/2 LOT 30, San Antonio Villa Park, San Jose. W J Kelley vs L R Brothers	\$525
Nov. 18, 1931—LOTS 5 AND 6 BLK 37, College Terrace Addn to City of Palo Alto. Builders Service Co vs Sam B and Della Goss	\$583.58
Nov. 18, 1931—LOTS 5 AND 6 BLK 31, College Terrace, San Jose. V Holling vs Sam B Goss	\$30
Nov. 20, 1931—LOTS 5 AND 6 BLK 31, College Terrace, Palo Alto. Fred Hayden vs Sam B and Della G Goss	\$110

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded	Amount
Nov. 18, 1931—(1) N FRANKLIN ST 187.50 E Alviso St. E on Franklin St., 56.76x139.50; (2) N Liberty St. 64 E Main St. E on Liberty St. 50x 116.55. W P Fuller & Co to Thos Maloney	\$130.34
Nov. 18, 1931—W FOURTH ST. 173 N Santa Clara St. and 35 N from S line Lot 5 rmg th S on Fourth St. 79 ft. to S line of brick warehouse W parl Santa Clara St 275 ft. to E Third, N on Third St. 79 ft. to a pt where a parl line with Santa Clara drawn from the place of beg intersectst the E line of Third St. th E in a direct line 275 ft. to place of beginning, being parts of Lots 5, 6, 7 and 8 Blk 2 R 4 N, San Jose. N E Kendall, to Joseph Newman, Biens Newman; Southern States Golf Bldrs, Ltd and George Helm	\$105
Nov. 18, 1931—W FOURTH ST. 173 N Santa Clara St. and 35 N from S line Lot 5 rmg th S on Fourth St. 79 ft. to S line of brick warehouse W parl Santa Clara St 275	

ft. to E Third, N on Third St. 79 ft. to a pt where a parl line with Santa Clara drawn from the place of beg intersectst the E line of third St. th E in a direct line 275 ft. to place of beginning being part of Lots 5, 6, 7 and 8 Blk 2 R 4 N, San Jose. C J Thelen (doing business under the name of United Electric Co) to Southern States Golf Co, Ltd; B F Franklin; Geo Helm and Lawrence S Hyde, individually and as copartners doing business under the name of Southern States Golf Co; R E Klein and I E Klein, individually and as copartners transacting business under the name of Drive In Golf C; Joseph and Biens Newman.....\$213.43

BUILDING PERMITS

PALO ALTO

RESIDENCE, stucco, 2-story and garage, \$25,000; No. 2129 Waverly St., Palo Alto; owner, Madeline E. Myer, 619 Guinda St., Palo Alto contractor, Wm. Short, 2121 Waverly St., Palo Alto.

RESIDENCE, stucco, \$6000; No. 2271 Cowper St., Palo Alto; owner, T. P. Barry; contractor, W. H. Gibson, 1475 Hamilton Ave., Palo Alto.

BUILDING CONTRACTS

CONTRA COSTA COUNTY

BRIDGE

BRIDGE ACROSS RIGHT-OF-WAY of railroad company at St. Mary's College in Contra Costa County. Raise, widen, alter and re-construct vehicular bridge across said right-of-way.

Owner—Sacramento Northern Railway and St. Mary's College of Oakland.

Architect—Not Given.

Contractor—J. F. Barrett and H. H. Hilp (as Barrett & Hilp), 918 Harrison St., San Francisco.

Filed Nov. 17, '31. Dated Nov. 4, '31.

Bond, limit, forfeit, none. Plans and specificationse filed.

LIENS FILED

CONTRA COSTA COUNTY

Recorded	Amount
Nov. 16, 1931—LOTS 2, 10, 11 AND 12 and Ptn of Lots 4, 40, 41 and 42 Blk 30, City of Richmond.	
Henry I Beller Constr Co, Ltd vs United Artists Theatres of California, Ltd.	\$9208.89
Nov. 18, 1931—LOTS 27 AND 28 in Dewing Park. T A Osborne vs John R and Anna C Serpa	\$634.62

RELEASE OF LIENS

CONTRA COSTA COUNTY

Recorded	Amount
Nov. 19, 1931—S 1/2 LOT 10 BLK 55, City of Pittsburg. Hutchinson Co, Inc.; to Sarina Bagno, also known as Sarina Tagno (2 releases).....	

BUILDING CONTRACTS

SONOMA COUNTY

FOUNDATION

No. 611-617 FOURTH ST., Santa Rosa

All work for supplemental foundation work

owner—S. H. Kress & Co., 114 5th Ave., New York.

Architect—John G. Fleming, 1031 S. Broadway, Los Angeles.

Contractor—Lindgren & Swinerton, Inc., 1726 34th St., Sacramento

Filed Nov. 17, '31. Dated Oct. 1, '31.

As work progresses.....75%

Usual 35 days.....25%

TOTAL COST, \$9334

Bond, covered by original contract.

Surety, United States Guarantee Co. Limit, Jan. 4, 1932. Forfeit, none.

Plans and specifications filed.

COMPLETION NOTICES

SONOMA COUNTY

Recorded	Accepted
Nov. 14, 1931—SE 1/4 OF SEC. 14 T 7-N R 9 W M in S 8 line of Guerneville Road (3.50 acres). F H Archer to William C Snyder.....	
	October 12, 1931

LIENS FILED

SONOMA COUNTY

Recorded	Amount
Nov. 16, 1931—LOT 1 BLK 6, Proctor Terrace, Santa Rosa. Santa Rosa Building Materials Co vs George L and Florence E Davis.....	\$64.60

COMPLETION NOTICES

MARIN COUNTY

Recorded	Accepted
Oct. 31, 1931—FOURTH AND B San Rafael. Jacob Albert to Lelbert & Trobeck.....	Oct. 22, 1931
Nov. 2, 1931—LARKSPUR. Chas L Donovan and James Kennett to whom it may concern.....	Oct. 30, 1931
Nov. 2, 1931—MILL VALLEY. Eveready Garage & Electric Co to Melvin H Klyce.....	Oct. 24, 1931
Nov. 3, 1931—SAUSALITO. Mrs. Dollie and L P Mohn to Harry Mohn and James Radmal.....	
	October 31, 1931
Nov. 3, 1931—SAN RAFAEL. Everett W Ruhl to E W Ruhl.....	
	Nov. 2, 1931
Nov. 17, 1931—SAN RAFAEL. Heights. San Rafael. T J Crowley to Martin O'Keefe.....	Nov. 12, 1931
Nov. 18, 1931—SAUSALITO. Thos T Kent and W Robt Miller to whom it may concern.....	Nov. 14, 1931

LIENS FILED

MARIN COUNTY

Recorded	Amount
Nov. 17, 1931—MARIN TERRACES near Sausalito. H J Stretting vs Lorenzo Snow.....	\$300

BUILDING PERMITS

RICHMOND

COTTAGE, frame and plaster, 5-room and double detached garage, \$3900; S Roosevelt St. bet. 40th and 41st St., Richmond; owner, E. H. Miles, Exeter; plans by Peppin & Johnson; contractor, Peppin & Johnson, 332 23rd St., Richmond.

ADDITION to frame and plaster store 28x45 ft., \$2500; No. 1530 Pennsylvania Ave., Richmond; owner, Bauman & Thale, Premises; plans by owner; contractor, A. M. Cogle.

BUILDING PERMITS

STOCKTON

DWELLING, stucco, two-story and garage, \$12,000. No. 99 Oxford Way, Stockton; owner, Joseph C. Brichetto, 940 N-Sutter St., Stockton; architect, Joseph Losskann.

1218 W. Harding St., Stockton; contractor, T. E. Williamson, 1859 W. Park Ave., Stockton.
 REMODEL. store building, \$5000; No. 21 West Harding Way, Stockton; owner and contractor, J. F. Shepherd, 1st National Bank Bldg., Stockton.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded	Accepted
Nov. 20, 1931—LOT 14 BLK 10, City Park Terrace, Stockton. Iva Mae Feaver to Charles H. Snedegar.....	Nov. 20, 1931

RELEASE OF LIENS

MONTEREY COUNTY

Recorded	Amount
Nov. 10, 1931—N LINE SAUSAL ST with E line of Front St, being SW Cor. James Barcin's 20 acre Tract Sausal Rancho, Salinas City. Tynnan Lumber Co to E M Vail; Salinas Valley Ice Co, Ltd & Frank Myers	\$131.78

COMPLETION NOTICES

MONTEREY COUNTY

Recorded	Accepted
Nov. 18, 1931—LOT 11 BLK 12, Map of Monterey Heights, Monterey. Irwin B Otley to Monterey Bldg & Supply Co.....	Nov. 16, 1931

BUILDING PERMITS

SACRAMENTO

RESIDENCE, 6-room & garage, \$5000; No. 3841 McKinley Blvd., Sacramento; owner, J. A. Pierce, 2016 G St., Sacramento; contractor, T. A. Scott, 1602 11th St., Sacramento
 RESIDENCE, 6-room and garage, \$6000; No. 701 47th St., Sacramento; owner, F. Reshke, 422 27th St., Sacramento; contractor, P. Etzel
 RESIDENCE, five-room and garage, \$5000; No. 1201 Weller Way, Sacramento; owner, H. Thayer, 1701 Burnett St., Sacramento; contractor, Bruce Ashbury.
 RESIDENCE, five-room and garage, \$4000; No. 2141 36th St., Sacramento; owner, C. Thompson, 3432 Serra Way, Sacramento.
 DWELLING, five-room and garage, \$2500; No. 2612 Harkness Way, Sacramento; owner and contractor, J. Willet, 2616 41st St., Sacramento.
 RESIDENCE, six-room and garage, \$4250; No. 2033 36th St., Sacramento; owner, C. Lambert, 3716 T St., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded	Accepted
Nov. 20, 1931—LOT 81, Mont Clair. C J & M Virginia Nealis to whom it may concern.....	Nov. 13, 1931
Nov. 18, 1931—LOT 483, Swanston Park Unit 2, Sacramento. Ed H and Irma B Wilmunder to whom it may concern.....	Nov. 17, 1931
Nov. 18, 1931—THIRTY-FOURTH and Y Sts., Sacramento. Sacramento City High School to whom it may concern.....	Nov. 16, 1931

Nov. 16, 1931—FOR S. L. S 651 and lying in Section 26-4-3 on Andrus Island. John Morais to whom it may concern. Nov. 6, 1931

LIENS FILED

SACRAMENTO COUNTY

Recorded	Amount
Nov. 19, 1931—LOT 237, W. & K. College Tract, Sacramento. Hobercht Lighting Fixture Co vs Mr. and Mrs. W W Bird and College Investment Co	\$75

BUILDING PERMITS

FRESNO

DWELLING and garage, \$10,857; No. 641 Carmen Ave., Fresno; owner, Frank Kauke, 1585 N. Van Ness Ave., Fresno; contractor, J. Dan Shorb, 1295 Linden St., Fresno.
 SERVICE station, pump canopy, rest room and lunch room, \$2500; Orchard and Tulare Ave., Fresno; owner, Geo. Koehler, 913 Belmont St., Fresno; contractor, J. T. Cowan, 433 Roosevelt St., Fresno.
 DWELLING and garage, \$3500; No. 716 University Ave., Fresno; owner, M. Manogian, 2642 Olive St., Fresno.
 DWELLING, \$2000; No. 2450 Railroad Ave., Fresno; owner, Borjajian Bros. & Co.

COMPLETION NOTICES

FRESNO COUNTY

Recorded	Accepted
Nov. 18, 1931—LOTS 8 TO 11 BLK 1 Kenmore Park, Fresno. W R Jensen to whom it may concern	
Nov. 20, 1931—LOT 48, E. G. G. Sub. No. 1, Fresno. W. R. Jensen to whom it may concern	Nov. 18, 1931

LIENS FILED

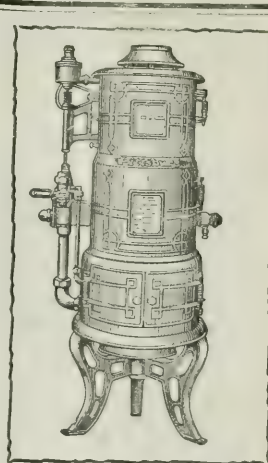
FRESNO COUNTY

Recorded	Amount
Nov. 21, 1931—SW 1/4 OF NW 1/4 OF Section 22, 17-20, Fresno. Dolan Co vs Jim Gibbello	\$144
Nov. 17, 1931—LOTS 8 AND 9 BLK C, Selma. Cooper Squire vs P A Thompson	\$414

"The unemployment situation is so urgent in the State of New York," declared State Industrial Commissioner Frances Perkins, "that there can be no further delay in saying that it constitutes a demand for all industries to go on either a five-day week or a six-hour day. Different industries can adjust their schedules to one of these two methods of spreading work with varying degrees of success."

A \$10,000,000 road project to be constructed without the use of machinery has been approved for Delaware by the Governor as a method of providing the maximum amount of work for the unemployed. The plan is for the construction of 18 miles of roadway of the dual type. It will give employment to about 700 men and will take three years to complete. Included in Delaware's unemployment relief program is the construction of sidewalks along the state highways to insure the safety of pedestrians. Employment will be limited to bona fide residents of Delaware.

October wholesale prices of six standard plumbing fixtures for a six-room house, ascertained by the Bureau of the Census from reports of 12 representative manufacturers and wholesalers, averaged \$96.12 as compared with \$93.32 in September, \$97.40 in October, 1930, and \$99.20 in October, 1929.



A "Pittsburg" Automatic Water Heater installed in the Home indicates high quality throughout.

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Consider the high merit of the Pittsburg coupled with "Pittsburg Perfect Service."

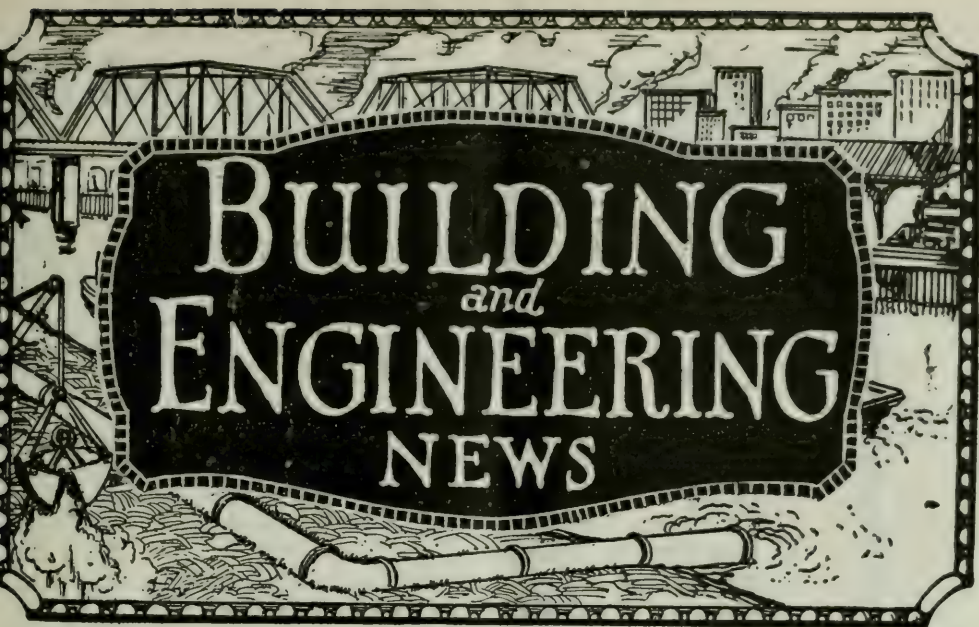
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Publication Office
547 Mission Street

SAN FRANCISCO, CALIF., DECEMBER 5, 1931

Published Every Saturday
Thirty-fifth Year, No. 49

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S. F. BUILDING IN NOVEMBER \$1,235,043

Building construction undertaken in San Francisco during the month of November involved an expenditure of \$1,235,043, according to John B. Leonard, superintendent of the Bureau of Building Inspection of the Department of Public Works. During the month, Leonard reports, 495 building permits were issued as compared with 441 permits for the corresponding period in 1930 when the valuation total registered \$1,313,672.

During the past eleven months, records of the Building Department show a total of 6,143 permits granted for improvements costing \$20,621,129 as compared with 6,096 permits for the same period last year when the valuation was placed at \$20,434,606.

Following is a segregation of the November, 1931, activities as compiled by the City Building Department:

Class	No. P'mts	Est. Cost
A.....	1	\$ 180,000
B.....		
C.....	2	12,000
Frames.....	128	508,470
Alterations.....	360	136,227
Public.....	4	398,346
Total.....	495	\$1,235,043

CHAIR CONTRACT AWARD IN COURT

San Francisco's "home industry" ordinance, designed to assure workers on all city projects a high wage, has been thrown into the courts.

R. Brandein, head of a local manufacturing concern, filed suit against Mayor Angelo J. Rossi and other officials, seeking to restrain performance of a contract which he alleges is in violation of the ordinance.

Brandein's firm, with three others, entered bids to supply the city with 3,000 opera chairs. On November 23, the supervisors, after argument, awarded the contract to the Heywood-Wakefield Company of Boston and Menominee, Mich., the low bidders.

In asking an injunction, Brandein cited the local ordinance, providing that all contractors who enter into a contract with the city must pay workers the highest prevailing wage. He alleged that the eastern concern operates on a piece-work basis.

Approximately \$40,000,000 has been spent by the State Division of Highways this year to date, it is announced by Walter Garrison, State Director of Public Works. The record for the year follows: Construction, \$23,355,800; maintenance, \$6,460,000; carried over from 1930, \$9,495,600; grand total to November 20, \$39,319,200. Last month construction and maintenance projects undertaken by the division totaled \$1-960,500.

POOR BOND MARKET HALTS ROAD WORK

Because of the current business depression, which affects the market for state bonds, the Missouri state fund commission has decided to sell no more bonds. As a result T. H. Cutler, chief engineer of the state highway department, has announced that no more road contracts will be let this year.

Secretary of State Becker has protested to Gov. Caulfield against the suspension of road construction work, pointing out that it will throw many men out of employment, will slow up completion of the state road system and is unnecessary because under state laws the state fund commission has authority to abandon competitive bidding and sell bonds at private sale to Missouri banks and investment houses.

EAST BAY UNIONS TO VOTE 6-HOUR DAY

Instructions to call a referendum vote in all locals of the Alameda County Building Trades council on the question of adopting a 6-hour working day as a means of unemployment relief have been presented by Charles R. Gurney, secretary of the council.

The instructions came following a meeting of the council at which time the proposition of the shorter day was discussed.

Members of the council expressed belief if the shorter day were adopted it would mean that a great number of artisans could be employed who at the present time have no prospects of work.

The adoption of the 5-day week was said to have brought great relief, but not sufficient to meet the present demands for employment.

TRUSCON ACQUIRES BERGER DIVISION

The Truscon Steel Company has taken over the Berger Manufacturing Company Building Products Division at Canton, Ohio, and will continue to operate it as Berger Building Products Division of the Truscon Steel Company, continuing with Berger's present policies and retaining on their staff their present selling organization.

The Berger Products Division has enjoyed a wide field of operation throughout the entire United States and in export fields. It manufactures a line of products similar to those of the Truscon Steel Company which have met with a universally favorable reception.

S. F. MUNEY WATER SYSTEM IS PAYING

Although San Francisco water department revenues decreased \$24,567 in October, the city's profit from operations was \$162,130, Manager Nelson Eckart reports to the supervisors.

The report showed that revenues were \$571,209 for the month and expenses including bond interest, were \$509,078.

During the first four months of the new fiscal year revenues have totaled \$2,374,664 and expenses \$1,639,424, leaving a profit of \$735,240.

Of the four months' profit, \$217,250 has gone for additions and betterments, \$333,333 for bond redemption, leaving \$84,657 for the profit and loss account.

During October 523 employees were on the payrolls, five less than the previous month.

Eckart said that revenues in San Francisco were \$14,000 less during the first four months of this year than last and revenues dropped about the same amount outside the city and county.

G. G. BRIDGE BONDS WIN COURT APPROVAL

Sweeping aside as being "without merit" every objection to the Golden Gate Bridge \$35,000,000 bond issue, the State Supreme Court upheld their validity in a decision handed down last Wednesday.

Immediately the decision became known officials of the district said steps would be taken at once to dispose of a block of bonds and get under way the actual construction work. Bids for much of the construction have been accepted and the terms remain in effect until January 16.

The long-awaited decision was written by Justice Langdon and concurred in by Chief Justice Waste and by Associate Justices Curtis, Richards, Seawell and Shenk. Associate Justice Preston dissented.

The suit was started at the request of a banking group that bid on \$6,000,000 worth of the bonds, with the proviso that their legality should be upheld by the Supreme Court. To bring the question into the court the secretary of the bridge district refused to sign the bonds, and a petition was filed for a writ of mandate to compel him to sign.

Building permits issued in Fresno during the month of November involved an expenditure of \$70,127, bringing the total operations for the year to date to \$920,065. New buildings, permits for which were issued last month totaled \$45,497, while alterations and repairs amounted to \$24,630. New buildings for the eleven months of the year so far amounted to \$639,335 in value, while alterations and repairs totaled \$255,497.

THIRTY POINT TAX PROGRAM ADVOCATES RUNNING STATE AND LOCAL GOVTS. LIKE BUSINESSES

Recommendations that state and local governments be run as most large businesses have been run for "a hundred years" are the most striking parts of a thirty point tax program, submitted, after a year of work, to the National Association of Real Estate Boards by Simeon E. Leland, University of Chicago, authority on public finance.

Asked to study the nation's tax system on behalf of over-taxed real estate owners and to make practical suggestions for their relief, Professor Leland asserts that inefficient methods in every quarter have made tax bills too high. He reveals that the majority of local governments operate in a way that would make a good business man blush with shame.

Working with a staff of other tax experts and financed in part by the real estate association, Professor Leland for eighteen months has examined government machinery in every state in the country. His 10,000 word report was given to the Association Board of Directors in Chicago on November 7 but is made public for the first time.

No action was taken by the Association Board on this report which will be submitted to the Association member boards. The report suggests few novel changes; even frowns on a blanket reduction of government services as "impractical," but asks in every quarter a business-like handling of tax funds.

Most outstanding is the portion of the report that lays bare the fact that accounting systems for the vast sums of money raised through taxation are woefully conspicuous by their absence. Many units of government keep no accounts and others keep such inadequate records of their financial affairs that only a painstaking audit can show their fiscal situation, charges the Professor.

Most governments prepare no budgets; laws providing for the taxation of tangible personal property are not enforced; and real property owners are paying costs of streets and municipal activities used and shared by the world and his wife, declares the survey.

The report asks for the relief of real estate, a general income tax, an "enforced" poll tax or filing fee, the elimination of inequalities in real estate tax assessments, and lower rates on intangibles "because high taxes on intangibles do not produce revenues."

In that portion of the survey that describes other places where funds may be found for running governments, Professor Leland points out that urban motorists have paid almost entirely for the state highway system, and therefore the various states should share a portion of the gasoline taxes with cities. Such funds would be used for the construction and maintenance of city streets and thus relieve real estate owners of one of the many charges now laid at their doors.

Long term financial planning, debt limitation laws, the curtailment of public indebtedness, and the substitution of one unit of local government in a territory instead of many, are among the plans offered for cost reductions that will not alter essential government functions.

On this subject, Professor Leland points out that it would not be reasonable to cut expenditures for police, fire, health departments and such other services as are necessary for the public welfare, and calls attention to the fact that government cannot cut costs in times of depression as businesses can because the depression does not bring any curtailment of demand for government services.

"In fact," points out the survey, "the plight of industry and commerce has materially increased the burden upon governments. Urban communities are now called upon to provide for the relief of unemployment."

Another innovation asked by Leland is the enactment of legislation that will provide facilities for keeping taxpayers informed as to the financial status of their governments. Pointing out that no private business could run long without making a report of its activities to its stockholders, the tax expert reminds the public that it seldom receives reports as to the condition of the governments in which it invests its hard earned money.

Declaring that the gasoline tax has resulted in extravagance and waste, Professor Leland calls sales taxes, emergency measures and temporary expedients. If adequate tax relief cannot be secured "in any other way," he suggests taxing tobacco, soft drinks, carbonic acid gas, etc. Such measures must be worked out by the individual states and no general recommendation as to what commodities should be taxed can be made.

"Assessment inequalities under the property tax are almost universal except where approved assessment methods have been adopted. Property in one township is frequently assessed at a different percentage of value than property in another. Assessments between counties and even city wards are unequal. In some states farm property is assessed at a higher percentage of its value than city lots.

"The kind of tax which conforms most clearly to accepted fiscal principles and to the policies enunciated in this platform is the personal income tax. Every state should adopt such a tax with a uniform filing fee. No exemptions from this tax should be provided, but in order to meet conditions of dire necessity, reasonable abatements or refunds may be allowed.

"At present personal income taxes are found in twenty states.

The report here lists the various ways in which the income tax may be applied to the relief of real property. One way would be to share the income tax with local governments, allowing the state to receive a large enough share to insure effective administration.

Some of the states have the reforms urged by Professor Leland. For instance, the following states have provisions for uniform accounting systems: Wyoming, Ohio, Iowa, New York, Kansas, Washington, Indiana, Virginia, Louisiana, California, New Hampshire, New Jersey, Idaho, Mississippi, Oregon, Massachusetts, Wisconsin, Missouri, Rhode Island.

Thirty states provide for the inspection of local accounts by state officers.

A filing fee of \$1.00 is now required under the income tax in Utah. In Delaware up to 1926, a filing fee of \$3.00 was required from every person over 21 years of age, regardless of whether he received any income. This fee produced approximately \$300,000 per year.

Virginia has always had the program for integration of local governments Professor Leland would see in all states. Cities are given the status of counties and overlapping governments and overlapping tax levels are avoided by making the areas of the city independent from those of county governments. In Maryland, Baltimore County and Baltimore City are separate governmental units, occupying separate territories, and each is the sole government in its territory.

Following is a digest of the findings of Professor Leland:

1. Public expenditures should be scrutinized and reductions should be made wisely and after careful study so as not to cripple essential public services or to increase future public or private expenditures.

2. Adequate accounting systems should be provided for every unit of government which spends or receives public money.

3. A system of periodic and compulsory audits of government accounts by a properly constituted state authority should be instituted in every state, ample provisions being made for the publicity of findings and the restitution of funds improperly expended.

4. Legislation should be formulated in every state which will provide proper agencies for keeping taxpayers informed as to the financial status and fiscal operations of their governments.

5. Budget laws for every unit of government should be adopted.

6. All governmental units should be required to adopt allotment systems under which appropriations and expenditures are apportioned to specified periods during the fiscal year, provisions being made to prevent the over-expenditure of these allotments and the reduction of public service if revenues fail to accrue.

7. Every unit of government should be required to establish an effective control over expenditures and the incurring of obligations to the end that no contract be made or obligation incurred for which an appropriation has not been duly made and for which funds are not available for payment.

8. Taxes should be collected under existing laws from those not now carrying their fair share of the tax burden.

9. The general property tax should not continue as the sole elastic element in the tax system.

10. The property tax, which is not locally administered under state supervision, should be made a state-administered tax.

11. Inequalities in the assessment of real estate should be eliminated by the adoption of approved assessment techniques and systems of valuation such as are now found in some of the larger cities.

12. Make the obligation to support government universal.

13. New sources of revenue which rests primarily upon the principle of ability to pay and which involve direct tax payments to the government should be adopted.

14. Reduce property tax levies for educational, charitable, health and other purposes to the extent that the benefits of such functions do not accrue particularly to property owners as owners of property.

15. Low rate taxes on intangibles should be adopted in every state which seeks to tax this type of property.

THE OBSERVER

What He Hears and Sees on His Rounds

16. States which attempt to Tax mortgages should do so by means of registration taxes which impose moderate rates upon mortgages at the time of recording.

17. If adequate relief cannot be otherwise secured or if additional revenue devices must be found, the direct taxes heretofore suggested may be supplemented by moderate indirect levies which conform as near as possible to the ability criteria and which avoid regressive effects and the curtailment of business or production.

18. Special assessments for the construction of streets, curbs and gutters in developed municipalities should be abandoned in favor of financing from general municipal revenues or from the proceeds of motor vehicle and gasoline taxes. In undeveloped urban subdivisions the burden of improving these districts should be confined to private financing so long as these ventures are private.

19. Special assessments upon property owners for various municipal activities, such as the collection of garbage, tree trimming, moth extermination, street cleaning, snow removal, street sprinkling, and the like, should be abolished.

20. No special assessment for the repair and maintenance of streets should be tolerated. Once constructed, streets should be maintained by the general public.

21. A portion of the gasoline taxes in every state should be shared with the cities to be used for the construction and maintenance of city streets.

22. No special assessments should be authorized in districts where property is not developed or where the region is only sparsely settled.

23. The township as a unit of government should be abolished.

24. Counties should be consolidated in every state.

25. Only one unit of local government should function in a single territory.

26. Governmental functions which are no longer local in character should be transferred to the state government.

27. The use of public credit for financing public improvements should be safeguarded and restricted.

28. The issuance of local public debt should be under the supervision of a general state agency which could require the imposition of adequate taxes to meet debt charges, which could cancel debt levies where debt limitation laws were not complied with, and which could issue and sell securities on behalf of the various municipalities.

29. Effective debt limitation laws should be provided in every locality.

30. Debt charges for the payment of principal and interest on public debts should be made a charge against all public revenues and not against property tax levies alone, as is now the case in many state and local governments.

31. Long term financial planning should be made a part of the fiscal administration in every governmental subdivision.

Lumbering operations in California in 1931 caused only fifty-five fires that resulted in practically no damage, it is revealed in a report filed by the Forest Protective Association with the California fire emergency committee. In addition eighty-one fires occurred on operating areas due to incendiarism and lightning. The total fire suppression costs to the lumber companies was \$26,500.

Several days ago a local engineer advised this writer that due to the failure of the State Division of Architecture to rush construction of state building projects for which plans have been prepared by PRIVATE architects and engineers draftsmen employed in connection with such plans are walking the streets "dependent upon charity."

George B. McDougall, state architect, however, declares that such is not the case. Further, he says, the responsibility for paying draftsmen employed by architects in private practice is up to the architects themselves who are under contract to the state.

"In every case as soon as the working drawings and specifications have been completed and approved by the Institution and the Department affected, the advertisement for bids has been immediately issued," says the state architect.

"As to the making of revisions, the approval of the plans for most of the projects has involved revisions from time to time but this has been what occurs in the ordinary course of the business of designing and constructing buildings.

"As to the payments to draftsmen, the responsibility for paying the men employed by architects in private practice has, of course, been upon the architects themselves, who, in each case, are working under contract with the State.

"Of the twenty-one projects being handled by architects in private practice, construction contracts have been awarded for eight; two are now out for bids and one has been entirely abandoned on account of changed conditions at the Institution affected. It is fully expected that all the remaining ten with possibly one exception will be advertised for bids during this month."

During the last 50 years, this country has passed through 15 prosperities and 16 depressions, both large and small in magnitude. All arrived and departed leaving a valuable lesson. The present prolonged one teaches us a more sound economic lesson than a dozen prosperities.

Frank Lloyd Wright, noted New York architect, according to Associated Press dispatches, declares New York's projected "Radio City" will be an architectural "monstrosity."

Commenting on what he said was the "sad state of architecture in the United States," Wright said: "The space might better be cleared and given to the public for a park. Radio City is the crime of crimes and there is no excuse for it whatever."

The Architectural Forum, New York monthly magazine of the architectural professions, has announced a prize contest for the design of a new format for the magazine. Prizes totaling \$1,100 are offered for best designs of six pages of the magazine, including two covers, the contents page, first editorial page, one text page and one plate page.

When the 29th annual convention and road show of the American Road Builders' Association assemblies in Detroit on January 11-15, 1932, bringing together the largest assemblage of equipment and materials in the country and 25,000 road builders, according to association officers, a number of other associations will meet in conjunction. These affiliated meetings include the Associated Equipment Distributors, the Truck Association Executives of America, the Association of Asphalt Paving Technologists, and the Consolidated Truck Terminal Operators which will hold an organization meeting.

Wherever logging goes on, there are some lumbermen who take out the timber, then let the land go for taxes. In Washington, this practice has brought 300,000 acres into the hands of the counties, seriously threatening their financial position, according to Business Week.

The last session of the legislature passed a law to stop this reversion. Likewise, it authorized the State Forest Board to go ahead with its plans to reforest some 4.6 million acres of waste land.

Nearly 25% of the original timber supply has been cut in the last 30 years. All of this cut-over land—some 7 million acres—constitutes a grave fire hazard; much of it is suitable for agriculture; the remainder will be reforested.

The proposed ordinance requiring that auto wrecking establishments be housed in Class A, Class B or in one-story Class C structures with concrete floors, has been laid over by the Oakland city council until May, 1932.

Federal aid, extended by the U. S. department of public health, in the construction of water and sewerage systems in those cities unable to finance the necessary improvements was advocated by W. J. Gray, consulting engineer, at the Missouri Water and Sewerage Conference on Oct. 22. Engineering News-Record reports. Further to facilitate the financing of public improvements, it was urged that Missouri cities be allowed to authorize bond issues for that purpose upon the approval of only a simple majority of the voters instead of the two-thirds majority now required by state law. It was suggested that the cost of installing service connections to water mains or sewers should be advanced by the city and that the property owners should pay off the amount in the form of an annual service charge.

Citizens' Committee of San Diego, proposes a bond issue of \$300,000 to finance construction of a program of public works with a view to relieving the unemployment situation. The biggest item in the contemplated program covers the construction of a 18-hole golf course at Balboa Park, estimated to cost \$100,000.

With a total that establishes a new all-time high mark, seven San Francisco banks will distribute \$6,938,246 in Christmas club savings, and it is estimated that at least 30 per cent of the total will be spent in this city.

HERE—THERE EVERYWHERE

Building and loan associations throughout the nation will pay approximately \$250,000,000 in interest and dividends to their 12,000,000 certificate and shareholders on January 1, according to William G. Alexander, vice-president and San Francisco office manager of California Mutual Building & Loan Association.

Edward Hines, 68, lumber merchant and philanthropist of Chicago, died in that city Dec. 1, as the result of a heart attack.

All Boston business concerns go on the 5-day week schedule January 1, 1932.

More than 900 union building trades mechanics and laborers of Des Moines, Iowa, accepted the wage cut submitted to them by the employers. The men, after a strike lasting a week, agreed on the cut to one dollar per hour and went back to work.

R. E. McMullen, senior engineer inspector foreman with the U. S. Bureau of Public Roads in Glacier National Park, on the Logan Pass section of the Transmountain highway, now has his headquarters in Portland, Oregon.

Lyon Company, composed of H. W. Lyon and Herb Lyon, plumbing contractors, have taken over the plumbing business of A. M. Feary and will operate in the East Bay district with headquarters at 885 Ensenada Ave., Berkeley.

Incorporation of the former Meyers Safety Switch Co., manufacturer of safety switches, switchboards and panel boards, as the Meyers Safety Switch Co., Inc., was announced recently. Officers of the firm are: President, Conrad J. Grieder; vice-president, Albert M. Rovengo and S. A. Meyers; secretary-treasurer, E. Earle Browne; and sales manager, R. L. Cameron. Manufacturing operations will be continued at 419-423 Tehama Street.

Fairbanks, More & Co., Chicago, Ill. has appointed A. W. Thompson, for the past five years Pacific Coast manager in charge of sales, as vice-president in charge of manufacturing.

SACRAMENTO TO EXAMINE TERMITES CONTROL WORKERS

Appointment of a board of examiners for persons engaged in termite control work, as provided in an ordinance adopted recently by the Sacramento city council, is announced by City Manager James S. Dean.

The board will be composed of Ashley C. Browne, state entomologist; A. E. Morrison, county horticultural commissioner, and J. R. Shields, city building inspector.

The board will hold its first examination on the morning of December 7 at 9 o'clock in the council chambers of the city hall. About 15 persons are expected to take the examination. Successful applicants will be granted a license to do termite work in Sacramento on payment of a license fee of \$10 a quarter.

The ordinance provides for a fee of \$2 to cover inspection costs on each separate control job.

BRIDGE ELECTRICAL EQUIPMENT DISCUSSED

A bulletin intended to assist bridge engineers in designing electrical equipment on movable bridges has been issued recently by the Bureau of Public Roads, U. S. Department of Agriculture. It is Technical Bulletin 265-T, Electrical Equipment on Movable Bridges, by Conde B. McCullough, Albin L. Gemeny and W. R. Wickerham.

The authors state that a majority of the movable bridges in this country use electric power and that bridge engineers have been guided by manufacturers in the selection of major power units and have placed almost entire dependence upon them in the selection of control and interlocking devices. The bulletin is designed to meet the need for a publication setting forth the electrical principles involved as an aid to bridge engineers in deciding on type of equipment, reliance on supervising construction and in maintaining the equipment.

The first section of the bulletin deals with the fundamentals of direct-current and alternating-current motors and discusses the selection of motors for different services.

The second section discusses the control and interlocking of operations. It describes current practice in the regulation of motors, control of sequence of operations, and the use of various protective devices.

The bulletin next presents a description of four different installations of electrical equipment accompanied by diagrams showing the wiring and arrangement.

Finally the bulletin deals with new developments in electrical bridge control, including variable-voltage control, speed matching indicators for vertical-lift bridges, and light-sensitive relays.

Copies of the bulletin may be obtained from the Office of Information, U. S. Department of Agriculture, Washington, D. C.

FAILS TO APPEAR AND FORFEITS LICENSE

The contractor's license of S. Ferrell of Monterey, has been suspended for sixty days from December 14, for failure to answer the complaint filed against him in the department and because he failed to appear at the hearing although regularly served with a notice thereof.

"Some contractors do not seem to be cognizant, or they are unmindful, of the fact that the orders of the department must be heeded, and when a complaint is filed in the office of the Registrar of Contractors and a citation sent for an answer to the complaint the department expects a response," says Orman Lutz, chief of the San Francisco office of the State Department of Professional and Vocational Standards, charged with enforcement of the contractor's license law. "It is the intention of the department to enforce penalties against such contractors for their carelessness or negligence in complying with the law."

Standard Lumber and Mill Company of Fresno has filed articles of incorporation with the Secretary of State at Sacramento. The company is capitalized for \$25,000. Incorporators are E. Hasselbalch, Walter J. Smith and A. B. Callahan of Fresno, the latter a former employee of the Routt Lumber Company.

Plumbing Contractor Wins Lease Contract

C. H. Lipke, plumbing contractor of Los Angeles, secured judgment against Albert Latour and the Mortgage Guarantee Company, in the municipal court at Los Angeles for \$1415.70 in a suit to recover on a lease contract for plumbing fixtures and materials installed in an apartment building. Judge William J. Palmer heard the case.

The petition filed by the plaintiff stated the plumbing has been installed under a conditional contract of sale and that a condition of default existed for one year. The contract price was \$1950 and of this amount the plaintiff received \$600.

Hearing disclosed that the Mortgage Guarantee Company had made a building loan to Latour, owner of the building, taking a trust deed to secure it. Later the Mortgage Guarantee Company purchased its equity at foreclosure sale and brought suit against lien claimants and others, including the plaintiff, to quiet the title, and secured judgment quieting the title to the real property. Of the amount loaned for building the mortgage now holds between \$1800 and \$1900 out of which the court ordered payment of the judgment awarded to Lipke.

Some of the lien claimants are plaintiffs in a suit now pending in the superior court in which they seek to hold the funds in the possession of the mortgage for payment of their claims. Their attorney appeared in the action brought in the municipal court amicus curiae and contested the claim of the plaintiff, Lipke.

Mr. Lipke states that his suit was brought because of the action of the lien claimants to protect his own interests under the lease contract.

FIRST DRAFT OF WATER PLAN ADOPTED

The Joint Legislative Water Commission has tentatively adopted the first draft of the state constitutional amendment to provide the proposed \$375,000,000 state-wide water development program.

Among other provisions, the amendment gives the legislative power, by a two-thirds vote, to enact laws for the following purposes:

Defining surplus water and determining the amount of surplus water in any stream of the state.

Creating indebtedness in any amount considered necessary to finance a water program and making agreements with the United States government or other agencies for participation in the costs.

Lending the credit of the state to any political subdivision for payment of liabilities incurred in putting the water development program into effect.

Empowering the state, through the exercise of the right of eminent domain, to condemn property required for public use in connection with the water program.

Providing that in actions of eminent domain compensation may be either in money or a substituted supply of water.

Providing the place and method of trial and the manner of review of the decision in an action brought by the state for determining or acquiring water rights.

Under the constitution the state legislature is limited in creating a bonded indebtedness to an amount less than \$300,000, except by specific vote of the people. The proposed amendment would permit the creation of indebtedness from time to time of any amount necessary to put the pro-

SIX COMPANIES, INC., AGAIN CHALLENGE STATE AUTHORITY

A second suit to test the jurisdiction of the state of Nevada over the territory embraced within the Boulder canyon project federal reservation was filed in the federal court at Carson City, Nevada, last Monday, as Six Companies, Inc., sought a temporary restraining order to prevent F. C. DeVinney, assessor of Clark county, from seizing and selling its personal property at Boulder City for delinquent taxes, totaling \$6,880.08, for this year.

The property, which is evaluated at \$203,267 by the county assessor for taxation purposes, consists of machinery, equipment and other personal property.

Although the complaint of the company in this suit is different from the former one filed last week against Andrew J. Stinson, state inspector of mines, who had forbidden the company to use gasoline-propelled trucks in the tunnels being constructed incident to the dam, it is probable that hearings on both matters will be held on December 12, which both involve a hinge upon the conflict of jurisdiction between the federal and state governments.

Judge Frank H. Norcross, in issuing the temporary restraining order today, set the hearing on the tax suit for December 2 with the understanding that it would be postponed until the 12th if counsel for the state and the company so desired.

In its petition for the injunction to restrain the county assessor from collecting the tax by selling property of the company, Six Companies, Inc. stated that Boulder City had been planned by the government to house

and care for a population of approximately 5,000 and that because of the condition of the desert thereabouts practically all of the men engaged in the construction of the dam and other works connected therewith would live at Boulder City. The fact that Six Companies, Inc. had contracted to build the dam and appurtenant workings for \$50,000,000 and that the government had planned the expenditure of approximately \$100,000,000 in addition to that sum for the purchase of materials and the construction of other works in connection with the enterprise was also related in the petition, together with a recital of the acts of congress and of this state which Secretary of the Interior Wilbur purports have vested in the federal government complete jurisdiction over the large reservation sought to be created by him in Clark county.

The petition also complains of the fact that Assessor DeVinney has asked Six Companies, Inc. to collect from its employees the annual poll tax levied by the state, and objects to DeVinney's threat to hold the company responsible therefor.

Although Six Companies, Inc. has indicated that it will waive its privilege of demanding that the matter be heard before three judges sitting en banc it has not been decided as yet whether Judge Norcross will sit as the sole judge or have a circuit court judge and another federal judge associated with him at the hearing. The present impression is that Judge Norcross considers the matter of such great importance that he will call in two more judges to preside with him.

felt, and thus its borrowing, almost unthinkable; would put the government in the real estate business. The bonds would almost have to be tax free to make them readily saleable, and that provision will be fought hard by authorities who are very loath to provide additional means to escape taxation.

"Opposition from several sources is almost certain to develop. The cry of inflation has already been raised, seems to have some basis despite Presidential denial. Already the charge is heard that any stimulation the plan gives home building would be artificial, and thus would depreciate the value of homes already built. Government subscription of funds would cause further depreciation of existing government securities.

"The plan also seems to some critics an incorrect approach to the problem, in that it seeks to establish one institution to serve several types of financing which are fundamentally different. The possible subsidy to bad management, the move to prevent needed housecleaning, and an attempt to make liquid a security inherently not liquid, are objections raised.

"Several other problems would need to be met, including establishment of some standard appraisal method, solution of the real estate tax problem and modification of the foreclosure laws.

"However, in spite of objections and difficulties, some such plan seems worth working out.

"Theoretically the plan is of significance to home owners, real estate operators, and building supply people, and to four major groups of financial institutions. These are the insurance companies, the savings banks, building and loan associations, and commercial banks and trust companies. In the aggregate these four groups have more than twenty five billions of real estate loans.

"Banks and trust companies have mortgage loans of about five billions, of which three and one half billions are held by Federal Reserve members. Mortgage loans of Federal Reserve member banks constitute about 9% of resources, while in the remaining states the percentage is considerably higher. Insurance companies have some six and three fourths billions of mortgage loans, 40% of their assets.

"Mutual savings banks have some five billions of mortgage loans, fifty-four and six-tenths per cent of their assets. The building and loan associations have assets of more than ten billions, practically all in mortgage loans."

"However, the extent to which these various groups are behind the President's plan is in considerable question. Building and loan associations have always favored a separate institution for their own members only, though their officers have now endorsed the President's plan. The commercial bank and trust companies have no organized opinion, but already are being helped by the National Credit Corp. and have relatively smaller percentage of their assets in mortgage loans.

"Mutual savings banks have never taken a definite stand on the question and did not participate in any important way in the formulation of the project. Insurance companies were not mentioned in the plan, and have heretofore steadily stated that they do not need such an organization. Real estate operators and building supply companies are generally behind the plan, while no separate organization of home owners exists."

HOOVER HOME MORTGAGE BANK PLAN NOT OF IMMEDIATE BENEFIT

"President Hoover's proposed mobilization of residential mortgage money will be a constructive development, helpful for the future," says The Business Week. "It probably will do a little real aid in the present depression, except that it may improve sentiment and tend to make any further real estate liquidation more orderly.

"Demand for some national institution to act as a pool for residential mortgage money is of long standing. It arises from the feeling that the market for long-term and intermediate credit is much less adequately organized in this country than the short-term money markets.

"Fundamental advantages of the mortgage bank plan: (1) Residential mortgage money would be distributed more equally throughout the country; surplus funds from one district could be lent in others. This would tend to equalize interest rates and to encourage home building in regions where it is now retarded. (2) Financial institutions lending on mortgages would be able to rediscount loans to get funds at need. This would ease the strain on them and enable them to be easier on home owners.

"These aims the President proposes to achieve by having Congress establish a Federal Home Loan system of mortgage rediscount banks supervised by a board in Washington and, tentatively, operating through one bank in each of the twelve Federal Reserve districts. He mentions capital of from five millions to thirty millions for each bank, to total about one hundred fifty millions for the system, subscribed by mortgage lenders, or by the government if necessary. Bond issues against

collateral to twelve times capital, or \$1.5 billions as a maximum are proposed, the bonds to be acceptable as collateral for government and postal savings deposits. Rediscount would not exceed \$15,000 on any single piece of property, would be limited to 50% to 60% of the face of the mortgage, which in turn would be limited to 50% to 60% of the appraised value of the property. Nothing would be lent upon defaulted mortgages.

"The President believes that a large deficit in individual homes has accumulated during the depression; he feels that this plan would permit some building, and to that extent help end the depression.

"No immediate results seem likely, however. Many difficulties remain to be worked out. They can be solved in time but probably not at once.

"The plan by its deliberate limitations cannot do anything to help out the serious situation in large properties with big bond issues in default, or near it.

"Congress will take a long time for consideration. Many Congressmen have other plans to aid real estate, and some states are considering various measures. Even after Congressional enactment, it will be difficult to get the capital subscribed under present market conditions.

"When it comes to the final stage of public participation, real estate bonds of any nature have a bad reputation due to the performance of the large volume issued in recent years and to the depreciation of securities of the Federal Farm Loan system.

"Governmental subscription of the funds would increase the Treasury def-

Building News Section

APARTMENTS

Contract Awarded.
ADDITION TO APTS. Cost, \$3000
SAN FRANCISCO. 165 Duncan St.
Addition to apartments.
Owner—J. E. Clearwater, 166 Duncan
Street.
Architect—Not Given.
Contractor—Evans & Co., 1450 Cole St.

BONDS

HAYWARD, Alameda Co., Calif.—
Election will be held December 19 to
vote bonds in the amount of \$11,000 to
finance construction of school im-
provements in Hayward for the Rus-
sell School District. N. P. Nielsen,
clerk of the board of trustees.

CLAREMONT, Los Angeles Co., Cal.
—The Claremont High School District
affirmed bonds in the amount of \$148,-
000 November 24 for the construction
of high school buildings. Marsh,
Smith & Powell, 516 Architects' Bldg.,
Los Angeles, are the architects. The
Claremont elementary school district
defeated bonds in the amount of \$108,-
000 at the election held on the same
day. The bond issue will probably
be resubmitted to the voters at a later
date.

CHURCHES

Contract Awarded.
CHURCH Cost, \$100,000
BAKERSFIELD, Kern Co., Cal. Trux-
ton Ave., bet. L and M Sts.
Two-story reinforced concrete church
(260x40 feet, terra cotta exterior,
wood roof trusses, tile roofing,
steel sash, cathedral glass).
Owner—First Baptist Church (Rev. F.
O. Belden, Pastor), Bakersfield.
Architect—Chas. H. Biggar, Haber-
felde Bldg., Bakersfield.
Contractor—William Eissler, P. O. Box
532 Bakersfield.
Other awards will be made shortly.

Contract Awarded.
REMODEL CHURCH Cost, Price, \$2997
OAKLAND, Alameda Co., Cal. 26th
and Harrison Streets.
Alterations to church interior (new
pews, etc.)
Owner—First Congregational Church,
Premises.
Architect—W. H. Ratcliff Jr., Cham-
ber of Commerce Bldg., Berkeley.
Contractor—Pacific Mfg. Co., Monad-
nock Bldg., San Francisco.

FACTORIES AND WARE- HOUSES

Contract Awarded.
REPAIR SHOP Cost, \$2000
SAN FRANCISCO. 50 Natoma Street.
Repair fire damage to shop.
Owner—L. Dibert, 32 Munich St.
Architect—Not Given.
Contractor—J. J. Irwin, 1040 Oak St.

Contract Awarded.
CANNERY Cost, \$35,000
GILROY, Santa Clara Co., Cal.
One-story reinforced concrete and
wood frame cannery (265x140 ft.).
Owner—Filice & Perrelli, Gilroy and
Richmond.

Architect—Wm. Knowles, 1214 Web-
ster St., Oakland.
Contractor—John Rikhshein, Gilroy.

ARMONA, Kings Co., Cal.—Packing
plant of the Mt. Whitney Packing
Corporation destroyed by fire Novem-
ber 30 with a loss of \$40,000, includ-
ing plant, machinery and stocks stor-
ed. The loss is only partly covered by
insurance.

Plans Being Figured—Bids Close Dec.
3rd.

PRODUCE BLDG. Cost, \$—
SAN DIEGO, San Diego Co., Cal.
Class C brick and steel produce bldg.
(steel columns and beams, steel
sash, concrete floors and composi-
tion roof, and alterations and addi-
tions to present building).

Owner—Safeway Stores, Inc., Fourth
and Jackson Sts., Oakland.
Architect and Engineer—Roeth, Cou-
chot & Rosenwald, 525 Market St.,
San Francisco, and 1404 Franklin
St., Oakland.

Bids are being taken from a select-
ed list of contractors.

Plans To Be Prepared.
PLANT ADDITION Cost, \$25,000
SACRAMENTO, Sacramento Co., Cal.
20th and R Sts.

One-story brick addition to plant (80x
160-ft.)

Owner—Valley Wholesale Grocery Co.
(Frank, Andrew and Chas. Arata,
owners), premises.
Architect—Not Selected.

PASADENA, Los Angeles Co., Cal.
—The Pasadena Municipal Light &
Power Department will start pre-
liminary work at once on the con-
struction of a \$100,000 central city
warehouse in Pasadena.

Plans Being Completed.
WAREHOUSE, ETC. Cost, \$20,000
HAYWARD, Alameda Co., Cal.
Group of buildings (warehouse, ga-
rage, residence, etc.) (corrugated
iron and wood frame construction)

Owner—Pacific Gas & Electric Co.,
245 Market St., San Francisco.
Architect—Eng. Dept. of Owner.

Bids will be asked in about two
weeks.

SKILSAW Portable Electric Hand
Saws (4 models).

SKILSAW Portable Electric Sander
SKILSAW Radial Arm Attach-
ments.

SYNTRON Portable Electric Ham-
mers (4 models, motor-
less).

MALL Flexible Shaft Machines (50
models).

Electric Drills, Grinders, Buffers,
Routers, Lock Mortisers.

PETER H. NELSON

Labor Saving Portable Electric
Tools.

1248 Mission St. Underhill
San Francisco 7662
SALES . SERVICE . RENTALS

Plans Being Completed.
WAREHOUSE, ETC. Cost, \$13,000
COLUSA, Colusa Co., Cal. Second and
Main Streets.

One-story corrugated metal, wood and
frame garage and warehouse.

Owner—Pacific Gas & Electric Co., 245
Market St., San Francisco.

Plans by Eng. Dept. of Owner.
Bids will be asked in about two
weeks.

To Ask Bids In Two Weeks.
WAREHOUSE, ETC. Cost, \$45,000
CONCORD, Contra Costa Co., Cal.
Group of buildings (warehouse, ga-
rage, residences, etc.; corrugated
iron and wood frame construction)
Owner—Pacific Gas & Electric Co., 245
Market St., San Francisco.
Plans by Eng. Dept. of Owner.

SANTA CRUZ, Santa Cruz Co., Cal.
Warehouse of the Walti-Schilling Co.
destroyed by fire December 1st. Dam-
age is estimated at \$50,000. Property
fully covered by insurance.

Plans Being Figured.
PRODUCE BLDG. Cost, \$—
SAN DIEGO, San Diego Co., Cal.

Class C brick and steel produce
building, steel columns and beams,
steel sash, concrete floors and
composition roof, and alterations
and additions to present building

Owner—Safeway Stores, Inc., Fourth
and Jackson Sts., Oakland.

Architect and Engineer—Roeth, Cou-
chot & Rosenwald, 525 Market St.,
San Francisco, and 1404 Franklin
St., Oakland.

Bids are being taken from a select-
ed list of contractors.

Contract Awarded.
LAUNDRY Cont. price, \$11,450
SAN FRANCISCO. E 26th St. 25 W
Capp St.

Two-story Class C brick laundry and
flat (6 rooms; tar and gravel roof)
Owner—A. Lacroux.

Architect—G. A. Berger, 309 Valencia
Street.
Contractor—Ellen Ellingson, 86 Lib-
erty St.

Plans Being Figured—Bids Close Dec.
7th, 2 P. M.

MAINTENANCE STA. Cost, \$—
MT. SHASTA, Siskiyou Co., Cal. One-
half mile south of Mt. Shasta City.
Erect maintenance station buildings,
comprising bunkhouse, standard
truck shelter, gasoline and oil
house, blacksmith shop, single
woodshed, septic tank and leach-
ing field).

Owner—State of California.
Plans by State Department of Public
Works, Division of Highways,
Sacramento (H. S. Comly, district
engineer, Redding).

Bids are being received by the Dis-
trict Engineer at Redding, from whom
plans may be obtained on deposit of
\$25, returnable.

Low Bidder.
CANNERY Cost approx., \$50,000
GILROY, Santa Clara Co., Cal.

One-story reinforced concrete and
wood frame cannery (265x140-ft.).

Owner—Filice & Perrelli, Gilroy and
Richmond.

Architect—Wm. Knowles, 1214 Web-
ster St., Oakland.

Low Bidder—John Rikhshein, Gilroy.

Preparing Preliminary Plans.
WAREHOUSE, ETC. Cost, \$11,600
 OAKDALE, Stanislaus Co., Cal.
 Warehouse, distributing shop and garage (wood frame construction; corrugated iron walls and roof) and concrete foundations and floors).

Owner—Pacific Gas & Electric Co.
 245 Market St., San Francisco.
 Architect—Eng. Dept. of Owner.
 Bids will not be asked before March 1, 1932. Further information will be given when available.

Contract Awarded.
FACTORY Cost, \$—
 LOS ANGELES, Cal. Vignes St., Banning and Turner Streets.
 One-story and basement reinforced concrete and brick factory (140x268 ft.).

Owner—Los Angeles Soap Co.
 Architect—Morgan, Walls & Clements, Van Nuys Bldg., Los Angeles.
 Contractor—Schuck Constr. Co., 1937 W. 62nd St., Los Angeles.
Plumbing & Sprinkler System—Thos. Haverly Co., 318 E. 8th St., Los Angeles.

Painting—G. C. Hewitt & Co., Ltd., 174 Glendale Blvd., Los Angeles.
 A five-story Class A building, to replace a number of smaller buildings, will be erected on the site next spring. Plans for this structure have not yet been started.

Contract Awarded.
CANNERY Cost, \$—
 ARCATA, Humboldt Co., Cal.
 Modern fireproof fish cannery (60x100 feet) will be equipped with necessary retorts, steam boilers, etc.)
 Owner—Stacey Fisher and Chester Paul, % J. C. Bull Co., Arcata.
 Architect—Not Given.
 Contractor—George Huginn, Arcata.

GARAGES AND SERVICE STATIONS

Contract Awarded.
GARAGE Cont. Price, \$5150
 BOULDER CITY, Nevada.
 One-story reinforced concrete garage (71x151 ft.)
 Owner—United States Government.
 Plans by U. S. Reclamation Bureau, Wilda Bldg., Denver.
 Contractor—Claude H. White and Jas. J. Alter, Elko, Nevada.

To Be Done By Day's Work By Owner
SERVICE STATION Cost, \$2500
 OAKLAND, Alameda Co., Cal. NE E 14th St. and 101st Ave.
 One-story steel frame service station.
 Owner & Builder—W. J. Thorne, 1224 16th Ave., Oakland.
 Architect—Not Given.

Contract Awarded.
SERVICE STATION Cost, \$4000
 SACRAMENTO, Sacramento Co., Cal. 806-814 Eighth St.
 Steel frame service station.
 Owner—A. Sessacago, 927 33rd Street, Sacramento.
 Architect—Not Given.
 Contractor—H. C. Prince, 3800 33rd St. Sacramento.

Contract Awarded.
GARAGE Cost, \$6500
 OAKLAND, Alameda Co., Calif. SE Bay Place and Harrison St.
 One-story brick and tile garage.
 Owner—J. K. Nelsen, 1512 Everett Ave., Oakland.
 Architect—Miller and Warnecke, Financial Center Bldg., Oakland.
 Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland.

GOVERNMENT WORK AND SUPPLIES

Bids Opened.
STABLE Cost, \$—
 LIVERMORE, Alameda Co., Cal.
 Rebuild stable and animal house.
 Owner—United States Government.
 Plans by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto.
 Low Bidder—Geo. B. Moore, 531 Stanford Ave., Palo Alto.
 This work will include cement and concrete work, iron work, tile roofing, ventilators, plastering, stucco wash, carpentry, insect screens, hardware, painting, glazing, plumbing and electrical work.

Following is a complete list of bids:
 George B. Moore, Palo Alto, \$1,699; 35 days.
 A. Holyoake, Hayward, \$1,900; 30 days.
 Monson Bros., San Francisco, \$2,080; 30 days.

F. J. Reilly, San Francisco, \$2,143; 90 days.
 Minton Co., Palo Alto, \$2,169; 60 days.

J. D. Raffensperger, Redwood City, \$2,238; 60 days.

Villadsen Bros., San Francisco, \$2,290; 50 days.

N. H. Sjoborg & Son, San Francisco, \$2,372; 50 days.

C. A. Bruce, Pleasanton, \$2,345; 60 days.

San Francisco Const. Co., San Francisco, \$2,390; 60 days.

David Nordstrom, Oakland, \$2,450; 40 days.

H. Sneed, Oakdale, \$2,461; 60 days.

Young & Horstmeier, San Francisco, \$2,470; 60 days.

Niles W. Place, Oakland, \$2,583; 60 days.

Sorensen & Haggmark, San Francisco, \$2,693; 60 days.

Clinton Stephenson Const. Co., San Francisco, \$3,234; 45 days.

Ed. Rosemont, San Francisco, \$3,300; 60 days.

Hansen Bros., San Francisco, \$3,633; 60 days.

Bids referred to Washington for award.

MARCH FIELD, Riverside Co., Cal.
 —Constructing Quartermaster, March Field preparing plans for a 200,000-gal. elevated water tank and a 250,000-gal. ground tank, both to be constructed at March Field.

PORTLAND, Ore.—Until Dec. 22, bids will be received by U. S. Veterans' Bureau, Arlington Bldg., Washington, D. C., for constructing and finishing complete at U. S. Veterans' Hospital, Portland, resurfacing roads and constructing parking space, including retaining walls, curbs, gutters and catchbasins. Specifications obtainable from above office.

MARCH FIELD, Riverside Co., Cal.
 —W. J. Nethery & Son, 2759 Main St., Riverside, at \$5350 submitted low bid to Constructing Quartermaster, March Field, to construct patio walls and patios for officers' quarters at March Field, and Bannister Field Co., 4101 Goodwin Ave., Los Angeles, at \$23,581 submitted lowest bid to construct garages and store rooms at March Field. Bids held under advisement.

Low Bidders.
OFFICES Cost, \$—
 PORTLAND, Ore. Broadway, Madison, Sixth and Main Sts.
 Seven-story and basement Class A Federal office.

Owner—United States Government.
 Architect—Whitehouse, Stanton and

Church, Railway Exchange Bldg., Portland.
 Low Bidder—Murch Bros. Const. Co., St. Louis, Mo., \$1,156,000.

Second low bid was submitted by N. P. Severin, Chicago, \$1,178,900, and third low by Great Lakes Const. Co., Chicago, \$1,197,450. Complete list of bids will be published shortly.

Plans Being Figured—Bids Close Jan. 5, 3 P. M.
POSTOFFICE Cost, \$725,000
 LONG BEACH, Los Angeles Co., Cal.
 Class A postoffice.
 Owner—United States Government.
 Architect—Not Given.

SAN FRANCISCO—Until December 10, under Circular No. 12, bids will be received by Contracting Officer, Medical Section, San Francisco General Depot, Presidio, to furnish two electric refrigerators. Specifications obtainable from above office.

CAMP KEARNEY, Cal.—Until 11 A. M., Dec. 10, bids will be received by the Public Works Department, 11th Naval Dist., San Diego, for the erection of a mast and installation of equipment at the Naval Operating Base (Camp Kearney), San Diego. This work consists of (a) the provision and installation of a concrete foundation for mooring mast anchors for mast guys, foundations for machinery and foundation for floor machinery house; (b) the transportation of the mooring mast and accessories, the gasoline-driven hoisting winch, generator, etc., furnished by the Government, from San Diego to the site at Camp Kearney; (c) the provision of a steel gin pole and all necessary blocks and tackle, cables and miscellaneous equipment as required to erect the mooring mast and its accessories; (d) the complete erection of the mast equipment; (e) the provision and installation under ground of two 5000-gallon water tanks and one 5000-gallon gasoline tank, together with electrically driven gasoline and water pumps, piping, etc. (f) the provision and installation of a timber frame and steel siding machinery house; (g) electric conduits, wiring and lighting fixtures. Bidding data may be obtained from the District at San Diego upon deposit of a check or postal money order for \$10, payable to the Chief of the Bureau of Yards and Docks. Capt. DeWitt C. Webb, Public Works Officer.

MARE ISLAND, Cal.—Bids will be asked shortly by the Bureau of Yards & Docks, Navy Department, Washington, D. C., under Spec. No. 6431, for Battery Overhaul Building, Substation and Acid Mixing Plant, Submarine Base, Navy Yard, Mare Island, Calif., are nearing completion. The work includes piles, concrete steel work, railroad track, built-up roofing, steel shaft, rolling doors, mastic flooring, stucco, hollow tile work, plumbing, gas, air, acid piping, heating, electric light and power wiring, and electric cranes.

Persons wishing to obtain the bidding data should forward to the Bureau or to the Commandant, Navy Yard, Mare Island, Calif., a check or postal money order for \$15, payable to the Chief of the Bureau of Yards and Docks, as security for the safe return of the drawings and specification. Applications and deposits will be placed on file and drawings and specification mailed as soon as available.

Prospective bidders on the West Coast should make application for the bidding data to the Commandant, Navy Yard, Mare Island, Calif.

WASHINGTON, D. C.—Bids are being received by the Bureau of Supplies and Accounts, Navy Dept., Washington, D. C., to furnish materials and equipment to Pacific Coast navy yards and stations, further information on the schedules listed being obtainable from the Navy Purchasing Office, 100 Harrison St., San Francisco:

Bids Close Dec. 15.

San Francisco, 33,400 sq. ft. copper wire cloth, 2400 sq. ft. brass wire cloth and 5400 sq. ft. iron or steel wire cloth; sch. 6972.

Mare Island, 2500 ft. interior communication cable, Mare Island, 2800 ft. lighting and power cable; sch. 6973.

San Francisco, 1 motor driven cutter, reamer and drill grinder; sch. 6956.

San Francisco, 4 lubricating oil pumps and plans; sch. 6952.

San Diego, 100 carpenters' hammers; Mare Island, 240 do; Mare Island 95 copper hammers; San Diego, 240 hide-faced hammers; Mare Island, 345 do; San Diego 1150 machinists' hammers; Mare Island, 1840 do; San Diego, 200 scaling hammers; sch. 6939.

Western yards, vises; sch. 6980.

Mare Island, 55 electric drills; Puget Sound, 12 do; sch. 6984.

San Francisco, 1 motor driven pipe threading and cutting machine; sch. 6958.

San Diego, 1 motor driven engine gap lathe; sch. 6957.

Western Yards, welded steel pipe and steel tubing; sch. 6987.

Western yards, welded iron pipe; sch. 6986.

Western yards, steel boiler tubes; sch. 6983.

Mare Island, 35 pressure lubricating guns; sch. 6981.

San Diego, 2 motor-driven engine lathes; sch. 6969.

Puget Sound, 10 main motor air coils and spares; sch. 6960.

Western yards, approximately 65,000 admiralty metal condenser tubes; sch. 6988.

Western Yards, 150 railroad picks 144 coil shovels, 175 hand shovels, approximately 1496 hand shovels; sch. 6989.

Mare Island, approximately 1000 sharpening stones; sch. 6994.

Western yards, miter box, saws, band saws, compass saws, crosscut saws, hack saws, hand saws, keyhole saws; sch. 6992.

Western yards, files and rasps; sch. 6985.

Western yards, taps, dies, tap wrenches, and die stocks; sch. 6982.

San Diego, Mare Island, and Puget Sound, chisels, machinists'; chisel blanks, and pneumatic chisel blanks; sch. 6995.

Puget Sound, 6000 ft. phosphor-bronze wire rope; sch. 7009.

San Diego, 170 prs. tinners' shears; Mare Island, 660 prs. do; San Diego, 100 prs. sailmakers' shears, and Mare Island, 72 prs. do; sch. 6990.

Mare Island, 116 5-cell storage batteries and spare parts for batteries; sch. 6993.

Western yards, brass and copper pipe and copper tubing; sch. 6996.

San Diego, 2200 varnish brushes; Mare Island, 2808 do, and Mare Island, 150 floor waxing brushes; sch. 7000.

Puget Sound, 4065 lbs. rough-machined cast sleeves; sch. 7001.

Mare Island, valves and faucets; sch. 7018.

Western yards, carbon twist drills and high speed drills; sch. 7019.

San Diego, 4 paint spray outfits; sch. 7021.

Western yards, lavatories, shower heads, urinals, water closets, etc.; sch. 7017.

Mare Island, 180 Sheets non-scatterable glass and, 130 sheets polished

plate glass; sch. 7011.

San Francisco, 1 motor-driven cutter and tool grinder; sch. 7006.

SAN BERNARDINO, Calif.—James-town Metal Equipment Co., Inc., Jamestown, N. Y., at \$770 submitted low bid to the Supervising Architect, Treasury Department, Washington, D. C., for counters for the San Bernardino Post Office. Complete list of bids follow:

Jamestown Metal Equip. Co., \$770.00

General Fireproof Co., Wash-

ington, D. C., 815.00

Globe-Wernicke Co., Washington,

D. C., 968.00

Berger Mfg. Co., Canton, Ohio 1649.60

DENVER, Colo.—Until December 15, 2 P. M., under Specification 550-D, bids will be received by the Chief Engineer, U. S. Bureau of Reclamation, to furnish two vertical, motor-driven screw pumping units, capacity 25-second feet each, complete. Specifications obtainable from above office.

Plans Being Figured—Bids Close Jan. 22, 3 P. M.

PAINTING Cost, \$—

HONOLULU, T. H.

Painting exterior stucco on U. S. post-office.

Owner—United States Government.

Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Bids are being received by the Supervising Architect, Treasury Dept., Washington, D. C., from whom plans may be obtained.

RIO VISTA, Solano Co., Cal.—Until December 10, 3 P. M., under Order No. 3956-1891-3, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to furnish and deliver f.o.b. Rio Vista, or f.o.b. cars at bidder's plant:

1,067 ft. (20 pcs.) pine, rough, select common, 4x10-in. by 16-ft.;

2,800 ft. (50 pcs.) pine, S4S, No. 2 clear and better, caulking seam 1/2x2-in. on both edges, 3x8-in. by 36-ft.;

1,067 ft. (20 pcs.) pine, S4S, select common, 8x8-in. by 10-ft.;

720 ft. (20 pcs.) pine, S4S, select common, 6x6-in. by 12-ft.;

2,000 ft. (100 pcs.) pine, S4S, select common, 4x6-in. by 10-ft.;

800 ft. (50 pcs.) white pine, S4S, No. 2 clear or better, suitable for building rowboats; size 1x12-in. by 16-ft.;

667 ft. (50 pcs.) pine, S4S, No. 2 clear and better, 2x4-in. by 20-ft.;

10,500 ft. (750 pcs.) pine or fir, rough, No. 3 common, 2x6-in. by 14-ft.;

10,500 ft. (750 pcs.) pine or fir, rough, No. 3 common, 3x4-in. by 14-ft.;

667 ft. (8 pcs.) 10x10-in. by 10-ft.;

S4S, No. 2 common pine.

Note—All of the above are rough dimensions.

SAN RAFAEL, Marin Co., Calif.—Until Dec. 7, 11 A. M., bids will be received by Constructing Quartermaster, 829 Fourth St., San Rafael, for furnishing and driving eight or more untreated test piles and load bearing tests. Piles will be driven at Marin Meadows Ranch. Plans obtainable from the Constructing Quartermaster's Office at San Rafael.

ALAMEDA, Alameda Co., Cal.—Noyes-Roach & Co., general contractors, Syndicate Trust Bldg., 915 Olive St., St. Louis, Mo.; desire sub-bids in connection with the Alameda Post Office project, bids for which will be opened by the Supervising Architect, Treasury Department, Washington, D. C., December 4.

PALO ALTO, Santa Clara Co., Cal.—McGee Sales Agency, 75 Fremont St. San Francisco, at \$13,243 submitted low bid to Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, to furnish and install at U. S. Veterans Administration Hospital, Palo Alto, one 300-hp. cross drum, bent tube water tube boiler, piping, etc.

Following is a complete list of bids: McGee Sales Agency, San Francisco \$13,243; 100 days.

California Steel Products Co., San Francisco, \$14,787; 150 days.

C. C. Moore & Co., San Francisco, \$15,226; 125 days.

Thomas Haverly Co., Los Angeles, \$15,500; 90 days.

Herman Lawson, San Francisco \$15,560; 135 days.

L. B. Armstrong Co., San Francisco, \$16,281; 90 days.

Associated Piping & Engineering Co., Los Angeles, \$16,900; 150 days.

Clausen Eng. Co., L. A., \$17,755; 110 days.

Darward Eng. Co., S. F., \$18,245; 120 days.

Sunnyvale Plumbing & Heating Co., Sunnyvale, \$18,975; 100 days.

Gilley-Mank-Yong Co., S. F., \$19,330; 120 days.

William Bros. Boiler & Mfg. Co., Los Angeles, \$22,200; 125 days.

Vincent McMullen, San Francisco, \$22,236; 150 days.

Bids referred to Washington for award.

POINT REYES, Cal.—Following is a complete list of bids received by the Public Works Officer, Mare Island Navy Yard, for installing new foundations and new wood platforms under water tanks Nos. 7 and 8 at the Naval Director Finder Station, Pt. Reyes. (1) Deduct if present foundations are used.

J. J. Ongaro, Jr., San Anselmo, \$388.

Theo. Johanns, San Francisco, \$388;

(1) \$60.

Jos. Piasecke, San Francisco, \$416;

(1) \$102.

Roy Lind, San Francisco, \$450; (1) \$80.

Alexander's Contractor, Bolinas \$457

(1) \$5.

Universal Const. Co., San Francisco \$540; (1) \$125.

Louis Lambretti, San Rafael, \$549;

(1) \$85.

Ocean Const. Co., Ltd., San Francisco, \$587; (1) \$40.

P. R. McDougall, San Rafael, \$597;

(1) \$121.

John J. Leonard, San Francisco, \$625

(1) \$5.

J. G. Galbraith, Petaluma, \$688; (1) \$108.

Hansen Bros., San Francisco, \$975.

Bids held under advisement.

BOULDER CITY, Nevada—Chicago Post Office Equipment Co., Chicago, submitted the low bid of \$453.21 to the Treasury Department on November 18 for furnishing furniture for the Boulder City Post Office. The bids follow:

Chicago Post Office Equipment Co., \$453.21, 2%.

A. L. Randall Co., \$536.17.

Keyless Lock Co., \$547.

Federal Equipment Co., \$569, 1/2%.

Geo. Pensky Co., \$575, 6%.

Inter-Ocean Cabinet Co., \$645.55, 2%.

American Showcase Co., \$639.

Vernon Fixture & Cabinet Co., \$850.25, 2%.

C. F. Webber Co., \$857.60.

Sala Lake Cabinet & Fixture Co., \$876.50, 1%.

McGuire Cabinet Co., \$1030.

Commercial Fixture Co., \$1108.

Loughman Cabinet Co., \$1205.95.

BERKELEY. Alameda Co., Cal.—Otis Elevator Co., 2 Beach St., San Francisco, at \$2664 awarded contract by Supervising Architect, Treasury Department, to furnish and install elevator in Berkeley post office.

Plans Being Figured—Bids Close Nov. 30, 23 P. M.

JAIL Cost, \$—
BILLINGS, Montana.
Federal jail building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Plans obtainable from the Supervising Architect's Office at Washington, D. C.

SACRAMENTO. Cal.—Until Dec. 7, 3 P. M., under Order No. 3937, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver:

(1) 40 lin. ft. 10-gauge, corrugated galvanized iron culvert pipe, 48-in. dia., to be made up in two sections each 20 ft. long.

(2) One 10-gauge, corrugated galvanized iron coupling bands to fit 48-in. dia. pipe of Item 1. Each bands to be 12½-in. wide and complete with bolts, etc.

(3) One cast iron, automatic drainage gate with balanced shutter for 48-in. dia. pipe of Item 1, complete and assembled to one end of a section of the pipe of Item 1. This gate shall be similar and equal to "Calco" automatic drainage gate, model 100.

(4) 40 lin. ft. 16-gauge, corrugated galvanized iron culvert pipe, 12-in. dia., to be made in two sections each 20 ft. long.

(5) One 16-gauge, corrugated galvanized iron coupling bands, to fit 12-in. dia. pipe of Item 4. Each band to be 12½-in. wide and furnished complete with bolts, etc.

(6) One cast iron, automatic drainage gate with balanced shutter for 12-in. dia. pipe of Item 4, complete and assembled to one end of a section of the pipe of Item 4. This gate shall be similar and equal to "Calco" automatic drainage gate, model 100.

Plans Being Completed. Cost, \$450,000
RENO, Washoe Co., Nevada. No. 21 Mill Street.

Three-story Class A Post Office (stone exterior finish).

Owner—United States Government.
Architect—F. J. DeLongchamps, Gazette Bldg., Reno.

Plans will be completed about Feb. 1, 1932.

SAN FRANCISCO—Until December 1, 10 A. M., under Circular No. 928-32-117, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver one gang lawn mower, tractor drawn type; to be composed of five 30-inch cutting sections, capable of cutting a twelve-foot swath. Further information obtainable from above.

Final Plans Approved. Cost, \$1,300,000
POST OFFICE, ETC. Cost, \$1,300,000
SACRAMENTO, Sacramento Co., Cal. T. St., between 8th and 9th Sts.
Four-story Class A structural steel and concrete Post Office and Federal Building (granite base, terra cotta or limestone exterior).

Owner—United States Government.
Architect—Starks & Flanders, Forum Bldg., Sacramento.

Bids will be asked shortly.

SAN FRANCISCO—Until December 21, 10 A. M., under Circular No. 928-32-115, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and de-

liver miscellaneous paints, varnish, putty, etc. Specifications obtainable from above office.

ALAMEDA, Alameda Co., Cal.—R. C. McBride, Jr., 4127 Broadway, Oakland (Fidmont 3144) desires sub-bids on all portions of the work in connection with the construction of the Alameda Post Office, for which bids will be opened December 4, by the Supervising Architect, Washington, D. C.

Date Of Opening Bids Postponed Until December 11.

MARCH FIELD, Riverside Co., Cal.—Until 11 A. M., December 11 new bids will be received by Col. W. C. Gardenhire, Constructing Quartermaster, March Field, for the construction of a combined gymnasium and theatre building at March Field; specification No. 2023-D. Further information may be obtained at March Field. The plans will be available to bidders on November 21. All bids received on October 13 were rejected and revisions have been made to the plans, consisting principally of the omission of several bays. The building will be a one-story structure and will contain a gymnasium, theatre, locker and shower rooms and toilets; steel frame construction.

Bids Wanted — To Close December 23, 230 P. M.

SUBSISTENCE BLDG. Cost, \$—
WALLA WALLA, Washington.

One-story and basement reinforced concrete subsistence building.
Owner—United States Government.
Plans by Supervising Architect, Washington, D. C.

Work includes excavating, reinforced concrete construction, hollow tile, brickwork, artificial stone, cut stone, marble work, floor and wall tile, compressed asphalt tile and linoleum floors, iron work, steel sash, steel stairs, steel shelving and cabinets, slate and built-up roofing, roof ventilators, metal lathing, plastering, carpentry, insect screens, installing window shades, painting, glazing, hardware, plumbing, refrigeration, heating and ventilating, electrical work, hydraulic elevator, extensions to fire alarm system, and connections to outside sewer, water, steam and electric distribution systems. **Separate bids** will be received for (a) General Construction (including the plumbing, heating and electrical work); (b) Refrigeration; all as set forth on bid form.

Plans and specifications obtainable from Supervising Superintendent of Construction, Veterans' Hospital, Palo Alto, and from Room 764 Arlington Bldg., Washington, D. C. Bond in amount of 25% of amount bid required.

Bids Opened. Cost, \$—
VACUUM PUMP Cost, \$—
PAJO ALTO, Santa Clara Co., Cal.

Furnish and install manhole, vacuum pump and return line in Veterans' Hospital.

Owner—U. S. Government.
Plans by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto.

Low Bidder—Sunnyvale Plumbing and Heating Co., Sunnyvale.

This work will include excavating, backfilling, reinforced concrete, vacuum pump, pipes, valves, fittings, non-conducting pipe covering, electric work and connections to steam and return lines in place.

Following is a complete list of bids: Sunnyvale Plumbing & Heating Co., Sunnyvale, \$1,495; 35 days.
Gilley-Mank-Yueng Co., San Francisco, \$1,596; 40 days.

C. Petersen Co., San Francisco, \$1,570; 14 days.

H. P. Hansen, Palo Alto, \$1,907; 45 days.

Bids referred to Washington for award.

Plans Being Figured—Bids Close Jan. 8, 3 P. M.

MISC. BLDGS. Cost, \$—
SAN FRANCISCO. Presidio Reservation.

Construct four double officers' quarters, residence of Office in charge, attendants' quarters and storage building, recreation building, laboratory and storage building for the U. S. Marine Hospital.

Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Bids are being received by the Supervising Architect, Treasury Dept., Washington, D. C., and are obtainable upon deposit of \$25, returnable, checks for same to be payable to the Treasurer of the U. S.

Plans Being Figured—Bids Close Dec. 15, 3 P. M.

POST OFFICE. Cost, \$180,000
MODESTO, Stanislaus Co., Cal.
Class A Post Office.

Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Bids are being received by the Supervising Architect, Treasury Department at Washington from whom plans may be obtained.

MARE ISLAND, Cal.—Q. R. S. Neon Corp., 306 7th St., San Francisco, at \$1,335 awarded contract by the Public Works Officer, Mare Island Navy Yard to install an illuminated airway marker located on the roof of Bldg. No. 390.

POINT REYES, Cal.—Thoe. Johanns 2020 15th St., San Francisco, at \$388, awarded contract by Public Works Officer, Mare Island Navy Yard, for installing new foundations and new wood platforms under water tanks No. 7 and 8 at the Naval Director Finder Station, Point Reyes.

SUNNYVALE, Santa Clara Co., Cal.—San Francisco Const. Co., 3159 Fillmore St., San Francisco, at \$22,635 submitted low bid to Public Works Officer, 12th Naval District, under Specifications No. 6734 to construct an airship mooring circle at Sunnyvale Air Base in Santa Clara County. Project involves construction of a concrete foundation for mast and construction of a circular railroad track. Complete bids follow:

San Francisco Const. Co., San Francisco	\$22,635
Shannahan Bros., Los Angeles	22,919
F. H. Palmer Co., S. F.	24,700
Raymond Conn. Cile Co., New York	24,942
Barrett & Hill, S. F.	25,375
R. E. McKee, Los Angeles	25,700
Healy-Tibbitts Co., S. F.	26,472
C. Dudley DeVeibiss, S. F.	27,629
M. B. McGowan, S. F.	29,162
I. M. Sommers, S. F.	31,500
O. G. Ritchie, San Jose	34,200
Vogt & Davidson, S. F.	34,837

HELENA, Mont.—Roy Crago Plb. & Heat. Co., 312 Fuller Ave., Helena, at \$57,234 awarded contract by U. S. Veterans' Bureau, Washington, D. C., to install outside distribution system at Veterans' Hospital, Fort Harrison, Helena.

Plans Being Figured—Bids Close Dec. 23, 3 P. M.

POST OFFICE. Available \$290,000
BUTTE, Montana.
Class A extension to Post Office including remodeling present structure.

Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Bids are being received by the Supervising Architect at Washington, D. C., from whom plans may be obtained.

Complete Bid Listing—Three Low Bidders Previously Reported.

OFFICES Cost, \$—
PORTLAND, Oregon. Broadway, Madison, Sixth and Main Sts.

Seven-story and basement Class A Federal office.

Owner—United States Government.
Architect—Whitehouse, Stanton and Church, Railway Exchange Bldg., Portland.

Low Bidder—Murch Bros. Const. Co., St. Louis, Mo., \$1,156,000.

Complete Bid Listing

Item 1, complete, light gray sandstone; 2, terra cotta above pilaster caps; 3, do above third floor.

Murch Bros. Const. Co., St. Louis, item 1, \$1,156,000; 2, \$1,133,000; 3, \$1,120,000.

N. P. Severin Co. Chicago, item 1, \$1,178,900; 2, \$1,149,900; 3, \$1,149,900.

Ralph Sollitt & Sons Const. Co., South Bend, Ind., item 1, \$1,207,000; 2, \$1,181,000; 3, \$1,167,000.

Great Lakes Const. Co. Chicago, item 1, \$1,197,450; 2, \$1,180,450; 3, \$1,171,500.

Clinton Const. Co., San Francisco, item 1, \$1,212,000; 2, \$1,191,000; 3, \$1,178,000.

W. S. Dinwiddie, San Francisco, item 1, \$1,225,000; 2, \$1,205,000; 3, \$1,220,000.

Feder J. Gjarde, Seattle, item 1, \$1,236,996; 2, \$1,215,000; 3, \$1,223,000.

National Contracting Co., Minneapolis, item 1, \$1,239,385; 2, \$1,223,573; 3, \$1,230,900.

Schuler & McDonald, Inc., Oakland, item 1, \$1,243,000; 2, \$1,221,000; 3, \$1,227,000.

MacDonald & Kahn, Ltd., San Francisco, item 1, \$1,256,999; 2, \$1,236,000; 3, \$1,240,000.

R. E. Campbell, Los Angeles item 1, \$1,265,000; 2, \$1,248,000; 3, \$1,257,000.

Jas. L. Leck Co. and Lovering-Longbotham Co., St. Paul, Minn., item 1, \$1,274,969; 2, \$1,251,629; 3, \$1,238,169.

Christy - Dolph Const. Co., Dallas, Texas, item 1, \$1,279,000; 2, \$1,265,000; 3, \$1,275,000.

L. Balkin Co., Chicago, item 1, \$1,286,339; 2, \$1,288,653; 3, \$1,309,290.

Ferguson Bros. Minneapolis, item 1, \$1,287,900; 2, \$1,274,900; 3, \$1,286,400.

L. E. Dixon Co., Los Angeles, item 1, \$1,292,000; 2, \$1,274,000; 3, \$1,279,000.

Guy F. Atkinson Co., San Francisco, item 1, \$1,331,549; 2, \$1,310,549; 3, \$1,313,549.

HALLS AND SOCIETY BUILDINGS

Plans Being Completed.

MEMORIAL BLDG. Cost, \$50,000
SANTA CRUZ, Santa Cruz Co., Calif.
Two-story and basement veterans' memorial bldg. (concrete exterior walls, frame interior, tile roof; Spanish style).

Owner—County of Santa Cruz.
Architect—Davis-Pearce Co., Grant & Weber Sts., Stockton.

Bids will be referred to the Board of Supervisors on Dec. 6.

Plans Being Figured—Bids Close Nov. 30th.

ALTER CLUBHOUSE Cost, \$2500
MERCED, Merced Co., Cal.
Rebuild clubhouse recently destroyed by fire (frame construction redwood exterior).

Owner—Merced Golf & Country Club.
Architect—Kent & Hass, 525 Market St., San Francisco.

Bids are being received by the owners at Merced from a selected list of Merced contractors.

Contract Awarded.
CLUB HOUSE ADDITION

Cost, Price, \$6300

ALAMEDA, Alameda Co., Cal.
One-story frame and stucco addition to club house (35x45 ft.) part tile and composition roof, electric heat, pine floors, etc.

Owner—City of Alameda (W. E. Varcoe, Clerk).

Architect—Hamilton Murdock, 1436 Benton St., Alameda.

Contractor—K. C. McBride Jr., 4217 Broadway, Oakland.

Following is a complete list of bids:

R. C. McBride Jr., Oakland.....\$6300

Jensen & Pedersen, Oakland.....7120

Monson Bros., San Francisco.....7180

Conrad Roth, Oakland.....7680

L. E. Alley, Oakland.....7710

George Swanstrom, Oakland.....7982

Strehlow & LaVoie Alameda.....8229

J. E. Brangan, Oakland.....8290

Jacob & Patten, Oakland.....8970

Emil Persson, Berkeley.....9795

Bid of David Nordstrom, Oakland, was not considered lacking a certified check.

HOSPITALS

Steelcraft Contract Awarded.

HEALTH CENTER Cost, \$248,979
SAN FRANCISCO. Polk and Grove Streets.

General construction of four-story and basement reinforced concrete Class A health center, emergency hospital and office building.

Owner—City and County of San Francisco, S. J. Hester, Sec'y., Board of Public Works.

Architect—S. Helman, 57 Post Street, San Francisco.

Structural Engineers—Ellison & Russell, Pacific Bldg., San Francisco.

Contractor—H. L. Peterson, 731 Treat Ave., San Francisco.

Steelcrafts—Steelcraft Contracting Co. 681 Market St., San Francisco.

Other awards previously reported.

TUCSON, Ariz.—C. J. Rhoads, commissioner of Indian Affairs, announces that working drawings have been approved for the San Xavier sanatorium to be built near San Xavier mission, and that drawings for the excavation have been sent to the superintendent at Sells, Ariz., with instructions to have the work started.

The plant will consist of a hospital building, doctors' quarters, garage and water and sewer system. Estimated cost \$125,000. C. H. Shiveley, Tucson, will supervise construction.

Bids Opened.
METAL FURNITURE Cost, \$—
FRENCH CAMP, San Joaquin Co. Cal.

Furnish and install metal furniture in new unit at San Joaquin County General Hospital.

Owner—County of San Joaquin, Eugene D. Graham, county clerk.

Spec. prepared by W. Y. Tretheway, county purchasing agent, Room 5, Courthouse, Stockton.

Low Bidder—Colson Co. of the Pacific, Front St., San Francisco.

Following is a complete list of bids:

Colson Co. of the Pacific, S. F., \$5,900

Stockton Drygoods Co., Stockton 7,022

M. Corren & Sons, Stockton.....7,161

O'Keefe & Co., San Francisco.....7,550

Reed Bros. (chairs and cabinets) 2,457

M. Deegan, Stockton (chairs).....3,025

Bids held under advisement.

MARTINEZ, Contra Costa Co., Cal.—Wm. H. Hough, superintendent of the Contra Costa County Hospital, announces that institution is crowded to capacity and within a short time additional facilities will be required.

A two-story brick unit, housing approximately 80 patients, he estimates would cost \$100,000. The matter is yet to be considered by the county supervisors.

PORTLAND, Ore.—Until Dec. 16, 10:30 A. M., bids will be received by Multnomah County Commissioners, Fred W. German, chairman, to furnish hospital furniture and equipment for the county farm at Troutdale, Oregon, including:

- (1) 65 steel hospital beds;
- (2) 65 steel wheel chairs;
- (3) 65 steel bedside tables;
- (4) 2 thermal type food conveyors;
- (5) 4 wheel chairs;
- (6) 2 wheel stretchers;
- (7) 260 rubber-tired, ball-bearing casters, size 2-in.

Specifications obtainable from the County Purchasing Agent, Room 400, Courthouse, Portland.

Contract Awarded.

ADDITION Cost, price, \$340,600
WEST LOS ANGELES, Los Angeles Co., Cal.

Addition to Wadsworth Hospital and connecting corridors, including walks, grading and drainage.

Owner—United States Government.
Plans by Constructin Department, U. S. Veterans Bureau, Arlington Bldg., Washington, D. C.

Contractor—Murch Bros. Const. Co., Railway Exchange Bldg., St. Louis Missouri.

Plans To Be Prepared.

HOSPITAL Cost, \$11,000
WOODLAKE, Tulare Co., Cal.

One-story brick hospital (16 rooms, 2 buildings, pressed brick exterior finish, hollow tile interior partitions, concrete floors, interior plaster finish).

Owner—Dr. Morton W. Fraser, Woodlake.

Architect—Not Selected.

Plans Being Figured—Bids Close December 29, 2 P. M.

WARDS, ETC. Cost, \$500,000
YOUNTVILLE, Napa Co., Cal.

Group of buildings (4-story administration building, two 4-story ward buildings, 1- and 2-story service building and concrete connecting corridor; reinforced concrete construction, tile roofs).

Owner—State of California.

Architect—Fred H. Meyer, 525 Market St., San Francisco.

Separate bids will be entertained for the following segregate parts of the work:

- (1) General Work embracing all branches of construction other than Electric, Heating and Ventilating, Plumbing and Refrigeration Work.

2. Electric Work.
3. Heating and Ventilating Work.
4. Plumbing Work.
5. Refrigeration Work.
6. Combined Heating, Ventilating and Plumbing Work.

Terra Cotta Bids Opened.
HEALTH CENTER. Cost, \$—
SAN FRANCISCO. Grove and Polk Streets.

Terra cotta for Health Center Bldg.
Owner—City and County of San Francisco, S. J. Hester, Secretary of the Board of Public Works.

Architect—S. Helman, 57 Post St., San Francisco.

Larsen & Larsen, 629 Bryant St., at \$16,100 submitted only bid.

LOS ANGELES, Cal.—Interphone Electric Co., 5510 Monte Vista St., submitted low bid to county supervisors at \$10,139 for installation of automatic telephone system at County Farm, near Hondo. The other bids

were: Moore Electric Co., \$10,186.
Bennett & Taylor, \$10,846, Newberry
Electric Corp., \$10,851, H. H. Walker,
Inc., \$11,550.

Contract Awarded.
NURSES' HOME Cont. Price \$2462
YUBA CITY, Sutter Co., Cal.

One-story frame and stucco nurses'
home (accommodations for 823),
wood shingle roof, heat from main
hospital.

Owner—County of Sutter.
Architect—Otto Diechmann, 110 Sut-
ter St., San Francisco.

Contractor—H. S. Brindle, 1609 49th
St., Sacramento.

Following is a complete list of bids
received:

H. S. Brindle, Sacramento.....	33462
Guth & Fox, Sacramento.....	3696
A. Vondell.....	3659
Claude Grishy.....	3737
Terry & Schotte.....	3749
W. V. Crown, Williams.....	3879
C. A. Otto, Yuba City.....	3880

Contracts Awarded.
LAUNDRY BLDG. Cost, \$—
TALMAGE, Mendocino Co., Cal. State
Hospital Grounds.

One-story reinforced concrete laundry
reinforced concrete foundations,
floors and walls; wood stud parti-
tions, steel and wood roof framing
and clay tile roof.

Owner—State of California.
Architect—Chas. E. Perry, 417 E. Sacra-
mento St., Vallejo.

Mechanical Engineer—A. R. McLeran,
Hearst Bldg., San Francisco.

General Work

The Minton Co., 243 Hamilton Ave.,
Palo Alto, at \$20,576.

Plumbing and Heating

Turner Co., 329 Tehama St., San
Francisco, at \$5523.

Electric

Superior Electric Co., Phelan Bldg.,
San Francisco, at \$1880.

Preparing Working Drawings.
INDIGENTS' HOME Cost, \$100,000
SACRAMENTO, Sacramento Co., Cal.
Franklin Blvd.

One-story Indigents' Home (brick ex-
terior walls, tile roof; Spanish
style; Class C construction).

Owner—County of Sacramento.
Architect—Harry Devine, California
State Life Bldg., Sacramento.

Plans will be completed in about 45
days.

POWER PLANTS

PROSSER, Wash.—See "Dredging,
Harbor Works and Excavations," in
this issue. Bids wanted by U. S. Bu-
reau of Reclamation, Denver, Colo.,
for furnishing labor and materials and
performing all work for the construction
of the Prosser power plant and alterations of
the Prosser diversion dam, Kennewick di-
vision, Yakima project, Washington.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Planned.
FIRE HOUSE Cost, \$—
VALLEJO, Solano Co., Cal.

Fire House.
Owner—City of Vallejo.
Architect—Not Selected.

Bond election will be held in the
near future to finance construction.

Sub-Bids Being Taken.

LIBRARY Cost, \$8000
OAKLAND, Alameda Co., Calif. 41st
St. near Piedmont.

One-story frame and stucco branch
library.

Owner and Builder—F. M. Greenwood,
249 Montecito, Oakland.
Architect—Miller and Warnecke, Fi-
nancial Center Bldg., Oakland.
Lessee—City of Oakland.
Contractor—Harry E. Kane, 921 Ra-
mona Ave., Albany.

To Ask Bids Shortly.
REMODELING Cost, \$1800
OROVILLE, Butte Co., Cal.

Remodeling present fire hall for use
as offices for city clerk and police
headquarters.

Owner—City of Oroville.
Architect—Cole & Brouhard, First
National Bank Bldg., Chico.

Low Bidders.
MUSEUM Cost, \$150,000
PORTLAND, Oregon.

Two-story fireproof art museum, 35x
200-ft. (Georgian type with brick
and marble exterior).

Owner—Portland Art Museum.
Architect—A. E. Doyle & Associates,
Pacific Bldg., Portland.

Three low bidders on each unit of
the work follows:

General Contract
L. H. Hoffman, Public Service
Bldg., Portland.....\$117,750
Dougan-Hammond, Portland.....118,000
A. J. Bingham & Son, ".....120,400

Heating and Ventilating
Urban Plumbing & Heating Co.
650 Washington St., Port-
land.....\$15,252

Otto Schulz P. & H. Co., Port-
land.....15,338

Plumbing & Heating Sales Cor-
poration, Portland.....15,490

Plumbing

Shea, Speldel & Riley, 174 Union
Ave., N., Portland.....\$3096

A. G. Rushlight & Co., Portland 3547
Plumbing & Heating Sales Corp.,
Portland.....3598

Electric Wiring and Conduit

Jaggar-Sroufe Co., 106 Tenth St.,
Portland.....\$2727

M. J. Walsh Elec. Co., Portland. 2765
Huenergard Elec. Co., Portland. 2799

Prospective Bidders.
HALL OF RECORDS Cost, \$300,000
MARTINEZ, Contra Costa Co., Cal.

Three-story Class A steel frame and
concrete Hall of Records (hollow
tile and metal lath partitions,
steel sash, heating plant).

Owner—County of Contra Costa.
Architect—E. Geoffrey Bangs, 411 30th
St., Oakland.

Structural Engineer—F. H. Tibbitts,
Alaska Commercial Building, San
Francisco.

Mechanical Engineer—G. M. Simonson,
Call Bldg., San Francisco.

Following contractors have secured
plans:

Concrete
N. H. Sjoberg & Son, Call Bldg.,
San Francisco.

R. W. Littlefield, 337 17th St., Oak-
land.

Villadsen Bros., 417 Market St., San
Francisco.

Monson Bros., 475 6th St., San Fran-
cisco.

K. E. Parker Co., 135 South Park,
San Francisco.

Clinton Const. Co., 923 Folsom St.,
San Francisco.

Lindgren & Swinerton, Inc., 225
Bush St., San Francisco.

George Petersen, San Leandro.
A. W. Parker, Richmond.

Structural Steel
McClintic-Marshall Co., 2050 Bryant
St., San Francisco.

Herrick Iron W'ks, 18th and Camp-
bell Sts., Oakland.

Dyer Bros., 17th and Kansas Sts.,
San Francisco.

Victor R. Sandner.
Moore Drydock Co., Balfour Bldg.,
San Francisco.

Golden Gate Iron Works, 1541 How-
ard St., San Francisco.

C. J. Waterhouse, 55 New Mont-
gomery St., San Francisco.

Steel Erection
Herrick Iron Works, 18th and Camp-
bell Sts., Oakland.

Brick and Hollow Tile
Reed & Reed, Hearst Bldg., San
Francisco.

Terra Cotta
Gladding, McLean & Co., 660 Mar-
ket St., San Francisco.

Roofing and Sheet Metal
Mastercraft Tile & Roofing Co., 1
20th St., Richmond.

Lathing and Plastering
Wm. Makin, 420 Lee St., Oakland.
Frank B. Smith.

A. Winchcole, 622 12th St., Rich-
mond.

M. J. King, 686 Mission Street, San
Francisco.

Miscellaneous Metal
Federal Ornamental Iron & Bronze
Co., 16th and San Bruno Streets, San
Francisco.

Carpentry
N. H. Sjoberg & Son, Call Bldg.,
San Francisco.

George Petersen, San Leandro.

Marble
American Marble Co., Hobart Bldg.,
San Francisco.

Terrazzo Work
Consolidated Terrazzo, Claus Spreck-
les Bldg., San Francisco.

Tile Work
Rigney Tile Co., 3012 Harrison St.,
Oakland.

Painting
A. A. Zelinsky, 4420 California St.,
San Francisco.

Plumbing
Scott Co., 243 Minna St., San Fran-
cisco.

W. W. Morgan.
W. H. Picard, 5656 College Avenue,
Oakland.

Fearey & Moll, 1075 40th St., Oak-
land.

Carl T. Doell, 467 21st St., Oakland.

Heating and Ventilating
George Schuster, 4712 Grove Street,
Oakland.

W. H. Picard, 5656 College Avenue,
Oakland.

W. R. Guirson, Richmond.

Pacific Heating & Ventilating Co.,
2059 Webster St., Oakland.

Fearey & Moll, 1075 40th St., Oak-
land.

Richmond Sheet Metal Works, Rich-
mond.

James A. Nelson, 10th and Howard
Sts., San Francisco.

Carl T. Doell, 467 21st St., Oakland.

W. A. Aschen, 3000 E 16th Street,
Oakland.

George C. Bell, 1825 Gleason Way,
Oakland.

Electrical
George Manjik, Martinez.

Kenyon Electric Co., 526 13th St.,
Oakland.

Decker Electric Co., 538 Bryant St.,
San Francisco.

Lynn & Drott, 3156 Divisadero St.,
San Francisco.

Elevator
Otis Elevator Co., 1 Beach St., San
Francisco.

Bids are to be opened Dec. 22 at 10
A. M.

Contract Awarded.
LIGHTING SYSTEM

Cont. Price, \$909
HAYWARD, Alameda Co., Cal. Me-
morial Park.

Lighting system for tennis courts.
Owner—City of Hayward.

Plans by J. B. Holly, City Engineer,
Hayward.

Contractor—Hugo Frank, Hayward.
Sherman Electric Shop, Hayward.

submitted the only other bid at \$1037.

Bids Opened.
CEMENT EXTERIOR Cost, \$—
HAYWARD, Alameda Co., Cal.
Exterior plastering of City Hall.
Owner—City of Hayward.
Plans by J. B. Holby, city engineer,
Hayward.
Low Bidder—F. M. Clausen, 819 Santa
Ray, Oakland.

Following is a complete list of bids:
F. M. Clausen, Oakland..... \$ 645
Barger & Barger, Oakland..... 985
J. A. Orford, Oakland..... 1,100
Hill & Janiera, Oakland..... 1,125
T. Gilmore, Oakland..... 1,200
Bids held under advisement until
December 8.

Planned.
ARMORY Cost, \$25,000
MAXWELL, Colusa Co., Cal.
Armory (type of construction not de-
termined).
Owner—State of California.
Architect—Not Selected.

Contract Awarded.
EXPOSITION BLDG.
Cont. Price, \$3923
OAKLAND, Alameda Co., Cal. Tenth
and Fallon Streets.
Sprinkler system for one-story steel
frame and reinforced concrete ex-
position building (369x150 feet).
Owner—City of Oakland, W. W. Chap-
pell, City Clerk.
General Contractor—R. W. Littlefield
837 17th St., Oakland.

Sub-Contractor—Automatic Sprinkler
Corp. of California, 519 California
St., San Francisco.

Following is a complete list of bids
received. (1) add for each additional
unit.
Automatic Sprinkler Corp., S. F. \$3923
(1) \$7.00.
Grinnell Co., San Francisco..... 9435
(1) \$5.00.
Anderson-McCormick 9689
(1) \$6.50.
Turner Co., San Francisco..... 10,750
(1) \$10.00.
James Pinkerton, San Francisco..... 12,650
(1) \$8.50.

Plans Being Figured—Bids Close Dec.
14th, 3 P. M.
REMODELING Cost, \$1800
OROVILLE, Butte Co., Cal.
Remodeling present fire hall for use
as offices for city clerk and police
headquarters.
Owner—City of Oroville.
Architect—Cole and Brouhard, First
National Bank Bldg., Chico.

Prospective Bidders.
REMODELING Cost, \$30,000
STOCKTON, San Joaquin Co., Calif.
Hunter Street.
Remodel two-story brick and concrete
firehouse (four fire fighting units;
rebuild front of building).

Owner—City of Stockton.
Architect—Peter Sala, 2130 N Com-
merce St., Stockton.
Following contractors have secured
plans.

General Work
Wellman Euck, 227 1/2 E Wyandotte
St., Stockton.
George Roek, 1724 W Cornell Street,
Stockton.
E. H. Riley, First National Bank
Bldg., Stockton.
J. J. Cavanaugh, 219 N Sutter St.,
Stockton.
Fay Zinck, 2034 N Pacific Avenue,
Geo. J. Maurer, 50 York Drive, Oak-
land.
H. H. Henning, 1751 Berkeley Ave.,
Stockton.
J. F. Shepherd, 1st National Bank
Bldg., Stockton.
Harry Brindle.
W. J. Scott, 1661 W Poplar Street,
Stockton.
Ecker & Stegmiller, 1658 S San Joa-
quin, Stockton.

John Hackman, Sonora Road and
Walker Lane, Stockton.
H. E. Vickroy, 1246 E Weber St.,
Stockton.
C. H. Dodd, 32 W Park St., Stock-
ton.
Carl Nelson, 1421 E Channel, Stock-
ton.

Mechanical Work
Pahl-Harry Co., 427 E Channel St.,
Stockton.
Collins Electric Co., 708 E Market
St., Stockton.
Eddy Electric Co., 309 E Weber St.,
Stockton.
Commercial Electric Co., 311 E Mar-
ket St., Stockton.
Hild Electric Co., 125 W Main St.,
Stockton.
Arthur D. Ray, 735 E Lafayette St.,
Stockton.

Bids will be opened Dec. 14, 8 P. M.
Plans Completed.
ARMORY Cost, \$50,000
PASADENA, Los Angeles Co., Cal.
Wainut Street.
Two-story and basement reinforced
concrete armory (75x100 ft.) con-
crete roof, concrete floors, etc.
Owner—State of California.
Architect—Bennett & Haskell, First
Trust Bldg., Pasadena.
Plans have been forwarded to Sacra-
mento for approval and bids will
be asked shortly.

Ornamental Iron Contract Awarded.
WAR MEMORIAL Cost, \$5,000,000
SAN FRANCISCO. Civic Center.
Ornamental iron for 4-story and base-
ment concrete Class A Veterans'
Building.

Owner—City and County of San Fran-
cisco (S. F. War Memorial).
Architect—G. A. Lansburgh, 140
Montgomery St. and Arthur Brown
Jr., 251 Kearny St.
Mgns. of Const.—Lindgren & Swiner-
ton, Inc., 225 Bush St.
Contractor—Sartorius Co., 2530 18th
St. (Opera House), \$48,162 (Vet-
erans' Bldg.) \$31,270.

Plans Being Prepared.
ARMORY Cost, \$60,000
SALINAS, Monterey Co., Cal. Howard
and Salinas Sts. and Lincoln Ave.
One-story reinforced concrete armory
(seating capacity of 1400 to 1500;
locker rooms, kitchen, stage, shops
and club rooms).
Owner—State of California.
Architect—Koepp & Campbell, Carmel
Plans will be completed in about 30
days.

RESIDENCES

Contract Awarded.
RESIDENCE Cost, \$6500
OAKLAND, Alameda Co., Calif. Wis-
consin Street.
One - story and basement frame and
stucco residence (6 rooms, 2 baths,
shingle roof, gas furnace, colored
tile baths and kitchen, hardwood
floors and trim, etc.)
Owner—Ellen Petersen.
Plans by H. K. Jensen, 354 Hobart St.,
Oakland.
Contractor—A. Jensen, care architect.

Sub-Bids Being Taken.
RESIDENCES Cost each, \$4500
SAN MATEO, San Mateo Co., Calif.
Casa Baywood.
Four 1-story and basement frame and
stucco residences (5 rooms); com-
position and tile roof, gas heat,
colored tile baths and kitchens,
hardwood floors and trim, etc.)
Owner and Builder—Buschke & John-
son, 235 3rd Ave., San Mateo.
Plans by Grimes & Schoening, 235 3rd
Ave., San Mateo.

Contract Awarded.
RESIDENCE Cost, \$6000
COLUSA, Colusa Co., Cal. Ninth and
Clay Streets.
One - story and basement frame and
stucco residence (tile roof).
Owner—Edith McLaughlin.
Architect—Not Given.
Contractor—Maurice Peart, Colusa.

Sub-Contracts Awarded.
RESIDENCES Cost each, \$5500
SAN MATEO, San Mateo Co., Calif.
Casa Mateo.
Six 1 1/2 - story frame and stucco res-
idences (five rooms each) composi-
tion and tile roof, gas heat, col-
ored tile baths and kitchens, hard-
wood floors and trim.
Owner and Builder—Castle Bldg. Co.,
830 Market St., San Francisco.
Architect—Not Given.

Lumber and Mill Work—Sudden Lbr.
Co., Evans and Quint Streets, San
Francisco.

Plumbing and Inside Tile—Scott Co.,
243 Minna St., San Francisco.

Plastering—W. J. Coseeny, 74 Motlke
St., San Francisco.

Roofing—Cantley Roofing Co., 666 Mis-
sion St., San Francisco.

Sub-Contracts Awarded.
RESIDENCES Cost each, \$5500
MILLBRAE HIGHLANDS, San Mateo
Co., Calif.

Three 2-story frame and stucco res-
idences (six rooms, 2 baths, each;
composition and tile roof, shingle
roof, gas heat, colored tile baths
and kitchens, hardwood floors and
trim, etc.)

Owner and Builder—Castle Bldg. Co.,
830 Market St., San Francisco.
Architect—George Cantrell, 325 Fre-
mont St., San Francisco.

Lumber and Mill Work—Sudden Lbr.
Co., Evans and Quint Streets, San
Francisco.

Plumbing and Inside Tile—Scott Co.,
243 Minna St., San Francisco.

Plastering—W. J. Coseeny, 74 Motlke
St., San Francisco.

Roofing—Cantley Roofing Co., 666 Mis-
sion St., San Francisco.

Sub-Bids Being Taken.
RESIDENCE Cost, \$5000
MILLBRAE HIGHLANDS, San Mateo
Co., Calif.

One - story and basement frame and
stucco residence (five rooms and 2
baths; gas heat, composition and
tile roof, colored tile baths and
kitchen, hardwood floors and trim)
Owner and Builder—O. Harjulin, 3rd
St., San Francisco.
Architect—Not Given.

Sub-Bids Being Taken.
RESIDENCE Cost, \$—
SAN FRANCISCO. NW 27th Avenue
and Vicente St.

1 1/2 - story and basement frame and
stucco residence (6 rooms; com-
position and tile roof, gas heat,
colored tile bath and kitchen,
hardwood floors and trim, etc.)
Owner and Builder—A. J. Herzig, 635
Victoria St.
Architect—Not Given.

Preparing Working Drawings.
RESIDENCE Cost, \$15,000
LAKEPORT, Lake Co., Cal.
Residence (type of construction not
determined).
Owner — V. H. Pickney, president
South African Dispatch Line, 233
Pine St., San Francisco.
Architect—Williams & Wastell, 374
17th St., Oakland.
H. V. Mick, Soda Bay, will do the
landscape work.

Plans Being Figured.—Hids Close Dec. 1st, 5 P. M.

RESIDENCE Cost, \$15,000
SAN FRANCISCO, Seaford District.
Two-story and basement frame, stucco and brick veneer residence (14 rooms, 5 baths, slate roof, tile baths and kitchen, gas heating system, etc.)

Owner—Joseph Branstetter.
Architect—Isaacwell & Weihe, 251 Kearny Street.

G. P. W. Jensen, 320 Market St., is figuring the plans and desires sub-bids. Other contractors figuring this residence reported Nov. 20.

Contract Awarded.

RESIDENCE Cost, \$10,000
PALO ALTO, Santa Clara Co., Calif.
2020 Tasso Street.

Two-story frame and stucco residence (6 rooms, 2 baths; gas heat, colored tile baths and kitchen, hardwood floors and trim, etc.)

Owner—Clifford B. Eames 145 Idora St., San Francisco.

Architect—Not Given.
Contractor—Smith & Burke, 130 Bryant St., Palo Alto.

Sub-Contracts Awarded.

RESIDENCE Cost, \$7000
BERKELEY, Alameda Co., Calif. 706 Hulsdale Avenue.

One-story and basement frame and stucco residence (English type; gas heat, colored tile bath and kitchen, hardwood floors and trim, etc.)

Owner—F. Couper, 818 Spruce Street, Berkeley.

Plans by Mr. Walker.

Contractor—J. M. Walker, 1209 Grove St., Berkeley.

Brick—A. M. McMurtry, 6325 Broadway Terrace, Oakland.
Millwork—W. D. Herrick, 82 Franklin St., Oakland.

Hardware—Berkeley Hardware Co., 2154 University Ave., Berkeley.

Plumbing—Golden Gate Plumbing Co., 5504 San Pablo Ave., Oakland.

Sub-Contracts Awarded.

RESIDENCE ADDITION Cost, \$—
BERKELEY, Alameda Co., Calif. 2607 Shasta Street.

Alterations and addition to residence (add one room, etc.)

Owner—F. S. Foote, premises.

Architect—Warren Perry, 260 California St., San Francisco.

Contractor—F. G. Appelbe, 2405 Acton Place, Oakland.

Lumber—Tilden Lbr. Co., foot University Ave., Berkeley.

Heating—Sheet Metal—M. C. Henry, 1183 53rd St., Oakland.

Electric—McDonald's Electric Shop, 212 San Pablo Ave., El Cerrito.

Plumbing—Jevons Plumbing Co., 2330 Shattuck Ave., Berkeley.

Bids Opened.

RESIDENCE Cost, \$4000
BERKELEY, Alameda Co., Cal. Berkeley View Terrace.

One-story and basement frame and stucco residence (5 rooms; shingle roof, part tile bath and kitchen, hardwood floors)

Owner—Arthur Bowron, 1104 Keith St., Berkeley.

Architect—Ray Keefer and E. L. Herberger, 770 Wesley Ave., Oakland

Following is a complete list of bids: H. K. Henderson, 20 Avis Road, Oakland.....\$4500

I. H. Reimers, Oakland.....4670

C. Thrane, Oakland.....4965

Beckett & Wright, Berkeley.....5200

J. A. Bigelow & Son, Berkeley.....5232

Bids held under advisement.

Sub-Bids Being Taken.

RESIDENCE Cost, \$—
SAN FRANCISCO, Cal. "Arden Wood," intersection of Sloat Blvd. and Junipero Serra Blvd.

Forty one-story and basement frame and stucco residences (terra cotta tile and asbestos shingled roofs, colored tile baths and kitchens, hardwood interiors, canvas walls, gas furnaces, water heaters, electric refrigeration and all latest built-in features and innovations).

Owner and Builder—Standard Building Co., 218 Castaneda Ave., San Francisco.

Plans by Owner.

Sub-bids are wanted on mill work, cabinets, plastering, painting, interior tile work, terra cotta tile roofing, asbestos shingle roof, glass and glazing, finish hardware, furnaces, water heaters, window shades, wall paper, gas furnaces, electric refrigerators, electric wiring and fixtures, hardwood floors, plaster ornaments, tile work, cast cement, stone mantels, tile and brick stairs, ornamental iron work, medicine cabinets, shoe racks, towel holders, mail boxes, etc.

Plans Being Prepared.

RESIDENCES Cost each, \$8000
SAN FRANCISCO, Westwood Highlands.

Three 1-story and basement frame and stucco residences (6 rooms each; gas heat, slate and tile roof, stone exterior walls, canvas walls and ceilings, electric refrigeration, hardwood floors and trim, etc., Spanish and English types).

Owner and Builder—Stoneson Bros., 273 Yerba Buena Ave.

Architect—Chas. Strothoff, 2274 15th Street.

Sub-bids will be taken in one week.

Sub-Contracts Awarded.

RESIDENCE Cost, \$—
OAKLAND, Alameda Co., Cal. Alleen St. W. of Carberry St.

One and one-half-story and basement frame and stucco residence (six rooms).

Owner and Builder—C. J. Pfrang, 6300 Claremont Ave., Oakland.

Architect—Not Given.

Concrete—Frank Salamid, 3530 Manila Ave., Oakland.

Lumber—Tilden Lumber Co., Foot of University Ave., Berkeley.

Brick—W. H. Wisneropp, 434 Michigan Ave., Buena Ave.

Plastering—Glachetto & Marietti, 1209 Derby St., Berkeley.

Wiring—F. W. Parkhurst, 6432 Pinehaven Road, Oakland.

Hardwood Flooring—Herbert Hansen, 5212 Claremont Ave., Oakland.

Sheet Metal—H. Monsen & Son, 3480 Champion St., Oakland.

Plumbing—Ambrose Bros., 206 Chumalla Ave., San Leandro.

Sub-Contracts Awarded.

RESIDENCE Cost, \$15,000
STOCKTON, San Joaquin Co., Calif. Oxnard Manor.

Two-story and basement frame and stucco residence (9 rooms, 3 baths) tile roof, gas burner, hot water heater, colored tile baths and kitchen, hardwood floors, electric refrigeration.

Owner—Jos. C. Brigheto.

Architect—Jos. Loekann, 1218 West Harding St., Stockton.

Contractor—T. E. Williamson, 1859 W. Park St., Stockton.

Masonry—A. Sandberg, 1846 Mt. Diablo, Stockton.

Carpentry—T. E. Williamson.

Heating—Geo. F. Schuler & Son, 1130 E. Weber St., Stockton.

Plumbing—A. D. Ray, 735 E. Lafayette St., Stockton.

Millwork—T. E. Williamson.

Roofing—San Joaquin Lumber Company, Scotts Ave and Madison St., Stockton.

Sheet Metal—A. D. Ray, 735 E. Lafayette, Stockton.

Plastering—John Hodge, Country Club Blvd., Stockton.

Tile—H. P. Fischer Tile & Marble Co., 744 E. Weber St., Stockton.

Excavating—Willard and Biasotti, 40 W. Clay St., Stockton.

Sub-Bids Wanted.

RESIDENCE Cost, \$5500
OAKLAND, Alameda Co., Cal. No. 5903 Monzal Avenue.

Two-story and basement frame and stucco residence (6 rooms; tile roof, gas heat, considerable brick work, colored tile bath and kitchen, hardwood floors and trim, sal ash).

Owner and Builder—R. C. McBride Jr., 4127 Broadway, Oakland.

Architect—D. M. Crooks, 1448 Webster St., Oakland.

Sub-bids are wanted on all portions of the work.

Sub-Bids Wanted.

RESIDENCE Cost, \$8000
OAKLAND, Alameda Co., Calif. 6732 Ross Circle.

1½-story frame and stucco residence (6 rooms, English type, gas furnace, hardwood floors and trim, colored tile bath and kitchen).

Owner and Builder—Ernest W. Urch, 5817 Ross Circle, Oakland.

Architect—Not Given.

Sub-bids are wanted on all portions of the work.

Sub-Bids Being Taken.

RESIDENCE Cost, \$5000
OAKLAND, Alameda Co., Cal. W. Camelford S Ascot Drive.

One and one-half-story frame and stucco residence (6 rooms); shingle roof, colored tile bath and kitchen, furnace, hardwood floors, etc.

Owner—Ildora Park Syndicate.

Architect—Not Given.

Contractor—C. W. Short, 574 Rosal Ave., Oakland.

Sub-Contracts Awarded.

RESIDENCE Cost, \$7000
BURLINGAME, San Mateo Co., Calif. Wilbrough Place.

One-story and basement frame and stucco residence (6 rooms; English type; gas furnace, shingle roof, tile baths and kitchen, hardwood floors and trim).

Owner and Builder—George W. Williams Co., Ltd., 315 Primrose Rd., Burlingame.

Architect—J. K. Ballantine, Jr., 137 Harlan Place, San Francisco.

Concrete—Gus. Adolphson, 706 North Claremont, San Mateo.

Lumber—Wisnom Lumber Co., Fifth and Claremont, San Mateo.

Mill Work—Pacific Mfg. Co., Monadnock Bldg., San Francisco.

Plumbing—Morrison & Blair, 415 Villa Terrace, San Mateo.

Sub-Contracts Awarded.

RESIDENCE Cost, \$6000
BURLINGAME, San Mateo Co., Calif. Wilbrough Place.

One-story and basement frame and stucco residence (five rooms) gas heat, colored tile bath and kitchen shingle roof, hardwood floors and trim.

Owner and Builder—George W. Williams Co., Ltd., 315 Primrose Rd., Burlingame.

Plans by Coleman and Gillam, 1401 Broadway, Burlingame.

Concrete—Gus. Adolphson, 706 North Claremont, San Mateo.

Lumber—Wisnom Lumber Co., Fifth and Claremont, San Mateo.

Mill Work—Pacific Mfg. Co., Monadnock Bldg., San Francisco.
Plumbing—Morrison & Blair, 415 Villa Terrace, San Mateo.

Sub-Contracts Awarded.
RESIDENCE Cost, \$22,300
HILLSBOROUGH, San Mateo Co., Cal. Two-story and basement frame and stucco residence (Colonial type; 9 rooms, 3 baths, shingle roof, gas heat, colored tile baths and kitchen, hardwood floors and trim, etc.)
 Owner—Wilson H. Bennett, 725 Occidental Ave., Burlingame.

Plans by Coleman and Gillam, 1401 Broadway, Burlingame.
 Contractor—G. W. Williams Co., Ltd., 315 Primrose Road, Burlingame.
Concrete—Gus. Adolphson, 706 North Claremont, San Mateo.

Lumber—Wisnom Lumber Co., Fifth and Claremont, San Mateo.

Mill Work—Pacific Mfg. Co., Monadnock Bldg., San Francisco.

Plumbing—Frank J. Regan, 245 California Drive, Burlingame.

Sub-Contracts Awarded.
RESIDENCE Cost, \$7500
SAN FRANCISCO, Geary Street and 47th Avenue.

One-story and basement frame and stucco residence (6 rooms; composition and tile roof, gas heat, colored tile bath and kitchen, hardwood floors and trim).

Owner and Builder—Kiernan and O'Brien, 47th Ave. and Geary St.
 Architect—A. H. Larsen, 594 Bright Street.

Concrete—Vannucci Bros., 1875 San Bruno Avenue.

Ornamental Iron—F. Kern & Son, 517 6th Street.

Sheet Metal—T. G. Arrowsmith, 661 Howard Street.

Plans Being Completed.
RESIDENCE Cost, \$7000
BURLINGAME, San Mateo Co., Cal. Wilborough Place.

1½-story frame and stucco residence (6 rooms; shingle roof, built-in refrigerators, gas heat, colored tile bath and kitchen, hardwood floors and trim, etc.)

Owner and Builders—G. W. Williams Co., Ltd., 315 Primrose Road, Burlingame.

Plans by Coleman and Gillam, 1401 Broadway, Burlingame.

Sub-bids will be taken in about one week.

Sub-Bids Being Taken.
RESIDENCES Cost, \$5000-\$6000
SAN FRANCISCO, Sunset Blvd. Three one-story and basement frame and stucco residences (6 rooms, gas heat, tile and composition roof, colored tile baths and kitchens, hardwood floors and trim, etc.)

Owner and Builder—Universal Const. Co., 319 Grant Ave.

Architect—Not Given.

Sub-bids are wanted on plumbing, heating, plastering, hardware, electric work, mill work, shades, glass, glazing, etc.

Owner Taking Bids.
RESIDENCE Cost, \$—
SAN MATEO, San Mateo Co., Cal. Baywood Park.

Two-story and basement frame and stucco residence (9 rooms, 2 baths, tile roof, gas heating system, chapel ceiling, colored tile baths and kitchens, laundry in basement balconies, electric refrigeration).

Owner—J. M. Carlson, Carmelita Ave., Burlingame.

Architect—B. Cooper Corbett, 1720 Pacific Ave., San Francisco.

Plans Being Completed.
RESIDENCES Cost each, \$5000
SAN FRANCISCO, Seventeenth Ave. and Ortega Street. Eighteen 1-story and basement frame and stucco residence (six rooms and social hall; special roof, gas furnace, ornamental iron work, leaded glass, some brick work and stone veneer; Period design).

Owner—Withheld.
 Architect—Clausen Architectural Studio, 746 45th Avenue.

Bids will be asked in one week.

Sub-Bids Being Taken.
RESIDENCES Cost each, \$4500
SAN MATEO, San Mateo Co., Calif. Two-story and basement frame and Casa Baywood.

Four 1-story and basement frame and stucco residences (5 rooms; composition and tile roof, gas heat, colored tile baths and kitchens, hardwood floors and trim, etc.)

Owner and Builder—Buschke & Johnson, 235 Third Ave., San Mateo.
 Plans by Grimes and Schoening, 235 Third Ave., San Mateo.

Contract Awarded.
RESIDENCE Cost, \$10,000
PIEDMONT, Alameda Co., Calif. 16 Alta Avenue.

Two-story and basement frame and stucco residence (8 rooms, 2 baths)

Owner—John Rossen.
 Architect—Leonard Ford, 1435 Harrison St., Oakland.

Contractor—Edward Larmer, 90 Fairview Ave., Piedmont.

Sub-Contracts Awarded.
RESIDENCE Cont. price, \$6835
WILLOW GLENN, Santa Clara Co., Calif.

Two-story and basement frame and rustic residence (7 rooms, 2 baths, Colonial type, shingle roof, warm air, natural gas heating system, hardwood floors, colored tile baths and kitchen).

Owner—Oliver Johnson, 230 West San Carlos St., San Jose.

Architect—Charles McKenzie, Twohy Bldg., San Jose.

Contractor—M. W. Reese, 1210 Minnesota St., San Jose.

Heating—Acme Sheet Metal Works, 167 E. Santa Clara, San Jose.

Plumbing—C. W. Down, 465 N 8th St., San Jose.

Mill Work—Pacific Mfg. Co., Santa Clara.

Sheet Metal—C. W. Down, 465 N 8th St., San Jose.

Painting—George Cahill, 763 E Julian, San Jose.

Plastering—Farnham and Saunders, Campbell, Calif.

Electric Wiring—H. C. Folsom, 925 Delmas, San Jose.

Tile Work—Tanner Tile Co., 2286 El Camino Real, Palo Alto.

Plans Being Prepared.
RESIDENCE Cost, \$9000
STOCKTON, San Joaquin Co., Cal. Oxford Manor.

One-story and basement frame and stucco residence (7 rooms, 2 baths) tile roof, gas hot air furnace, colored tile baths and kitchen, refrigeration, hardwood floors, pine trim.

Owner—J. F. Donovan, 336 E. Main St., Stockton.

Architect—Jos. Losekann, 1218 West Harding St., Stockton.

Bids will be asked in about thirty days.

Plans Being Completed.
RESIDENCES Cost, \$5000 each
SAN FRANCISCO, Vicente St. and Twenty-seventh Avenue.

Four one-story and basement frame and stucco residences (5 rooms);

composition and tile roof, gas heat, tile baths and kitchens, hardwood floors and trim, etc.

Owner and Builder—A. J. Herzog, 635 Victoria St., San Francisco.

Architect—Not Given.

Sub-bids will be taken within a few days.

Sub-Contracts Awarded.
RESIDENCE Cost, \$8000
BERKELEY, Alameda Co., Cal. Euclid Avenue.

Two-story and basement frame and stucco residence (6 rooms, tile roof; hardwood floors and trim, electric refrigeration).

Owner—Dr. B. Gray, 2518 Rose Walk, Berkeley.

Architect—H. H. Guttererson, 526 Powell St., San Francisco.

Contractor—F. G. Applebe, 2405 Acton Berkeley.

Flooring—Inald Floor Co., 4067 Watts St., Emeryville.

Plumbing—Jeavons Plumbing Co., 2330 Shattuck Ave., Berkeley.

Wiring—McDonald Electric Shop, 217 San Pablo Ave., El Cerrito.

Sash and Doors—Western Door and Sash Co., 5th and Cypress, Oakland.

Plans Being Completed.
RESIDENCE Cost, \$25,000
PALO ALTO, Santa Clara Co., Cal. Copper Street.

Two-story and basement frame and stucco residence (10 rooms and 4 baths); tile roof, gas heat, stucco walls, hardwood floors, colored tile baths and kitchen.

Owner and Builder—Cleveland Smith, 935 Geary St., San Francisco.

Architect—Treichel & Goodpastor, 1340 San Pablo Ave., Oakland.

Sub-bids will be taken in about one week.

SCHOOLS

SANTA BARBARA, Cal.—Andrew P. Hill Jr., Chief Division of School House Planning, State Board of Education, has advised the Santa Barbara County Superintendent of Schools, that the Santa Ynez high school district, as now formed, may issue bonds for the construction of a \$160,000 high school building.

Contract Awarded.
HEATING PLANT Cost, \$5000
WOODLAND, Yolo Co., Cal. Maxwell Union Grammar School.

New heating plant for grammar school.

Owner—Maxwell Union Grammar School District.

Architect—Not Given.

Contractor—Fred McGrew, Woodland

Bids Opened.
HEATING EQUIP. Cost, \$—
LINDSAY, Tulare Co., Cal.

Furnish and install heating equipment in Lincoln School.

Owner—Lindsay School District, Ford A. Chatters, clerk, Lindsay.

Architect—Not Given.

Following is a complete list of bids:

City Plumbing & Metal Works, Lindsay \$1,452

Race & Landers Hardware Co., Lindsay 1,495

Buckmaster Hardware Co. Lindsay 1,550

Lindsay Plumbing Co., Lindsay 2,297

Bids held under advisement.

Bids Opened.
LIBRARY Cost, \$—
CHICO, Butte Co., Cal.

Part 1- and 2-story brick and steel library and classroom building.

Owner—State of California.

Architect—Cole and Branchard, First National Bank Bldg., Chico.

The library will be constructed with reinforced concrete floors and foundations, brick walls, structural steel and wood framed roof covered with clay tile roofing.

General Work

(1) deduct; (2) deduct; (3) deduct.
H. Mayson, 9317 Hooper Ave., Los Angeles, \$87,987 (1) \$5,524 (2) \$2,220 (3) \$4,100.

W. C. Keating, Sacramento, \$90,850 (1) \$4,490 (2) \$2,000 (3) \$3,000.

George D. Hudnutt, Sacramento \$91,658 (1) \$4,921 (2) \$2,207 (3) \$5,367.

Minton Co., Palo Alto, \$91,898 (1) \$5,403 (2) \$2,082 (3) \$7,100.

L. M. Sommer, San Francisco, \$94,271 (1) \$5,187 (2) \$2,430 (3) \$5,103.

Guth & Fox, Sacramento, \$95,276 (1) \$5,450 (2) \$2,400 (3) \$4,650.

Campbell Const. Co., Sacramento, \$95,738 (1) \$6,021 (2) \$2,348 (3) \$4,906.

Neves & Harp, Santa Clara, \$96,983 (1) \$4,990 (2) \$2,200 (3) \$3,700.

J. P. Brennan, Redding, \$98,842 (1) \$5,113 (2) \$1,963 (3) \$4,761.

J. L. McLaughlin, San Francisco, \$100,579 (1) \$4,988 (2) \$2,200 (3) \$5,000.

Lindgren & Swinerton, Sacramento, \$101,382 (1) \$4,900 (2) \$2,100 (3) \$4,690.

J. F. Shepherd, Stockton, \$102,237 (1) \$3,618 (2) \$2,320 (3) \$4,373.

Engineer's estimate, \$97,703 (1) \$6,300 (2) \$4,476 (3) \$5,007.

Plumbing

Woodland Plumbing and Hardware Co., Woodland, \$3,619 (1) deduct \$859.

W. H. Robinson, \$3,889 (1) \$960.

Carpenter and Mendenhall, Sacramento, \$4,066 (1) \$919.

Turner Co., San Francisco, \$4,100 (1) \$564.

Luppen & Hawley, Sacramento, \$4,285 (1) \$980.

F. W. Snook, San Francisco, \$4,477 (1) \$950.

J. A. Fazio, Oakland, \$4,498 (1) \$1,132.

Engineer's estimate, \$4,263 (1) \$950.

Plumbing and Heating

Woodland Plumbing & Heating Co., Woodland, \$11,295 (1) deduct \$1,209.

Luppen & Hawley, Sacramento, \$12,650 (1) \$1,292.

Carpenter and Mendenhall, Sacramento, \$12,925 (1) \$1,269.

Jos. C. Black, Stockton, \$13,330 (1) \$1,177.

F. W. Snook, San Francisco, \$13,864 (1) \$1,770.

Fearey & Moll, Oakland, \$14,482 (1) \$1,343.

Turner Co., San Francisco, \$14,845 (1) \$1,200.

Engineer's estimate, \$14,923 (1) \$1,300.

Electric

James B. Tufts, Chico, \$4,442 (1) deduct \$654 (2) deduct \$418.

W. B. Baker, San Francisco, \$4,688 (1) \$654 (2) \$141.

K. F. Stolling, Santa Rosa, \$4,777 (1) \$588 (2) \$191.

Cox Electric Co., Red Bluff, \$4,970 (1) \$640 (2) \$367.

Turner Co., San Francisco, \$5,060 (1) \$560 (2) \$196.

NePage-McKenney Co., San Francisco, \$5,247 (1) \$662 (2) \$507.

Luppen & Hawley, Sacramento, \$5,700 (1) \$650 (2) \$278.

Engineer's estimate, \$3,945 (1) \$630 (2) \$200.

Heating

Woodland Plumbing & Heating Co., Woodland, \$8,137 (1) deduct \$350.

Luppen & Hawley, Sacramento, \$8,559 (1) \$312.

Carpenter and Mendenhall, Sacramento, \$8,876 (1) \$350.

W. H. Robinson, Chico, \$9,030 (1) \$340.

J. A. Nelson, San Francisco, \$9,290 (1) \$466.

F. W. Snook, San Francisco, \$9,487 (1) \$820.

George Schuster, Oakland, \$9,669 (1) \$380.

Schreiber Bros., Oakland, \$10,170 (1) \$492.

Pacific Heating & Ventilating Co., Oakland, \$10,300 (1) \$550.

Turner Co., San Francisco, \$10,825 (1) \$650.

Engineer's estimate, \$10,660 (1) \$350.

Bids held under advisement.

OAKLAND, Cal.—Oakland Board of Education has rejected all bids in connection with the furnishing and installing of a program and electric clock system in the Fremont High School, located on 45th and Foothill Blvd. On previous call for bids following were submitted:

Standard Electric Time Co., Oakland, \$1,310

International Time Recording Co., San Francisco, 1,644

F. A. Thomas Co., Inc., S. F., 2,438

Bids Wanted—To Close Dec. 7.

SCHOOL Cost, \$—

SANTA MONICA, Los Angeles Co., Calif.

Brick and concrete school (T-shaped, 160x40 and 160x80 feet).

Owner—Santa Monica School District.

Architect—Francis D. Rutherford, Mills Fraser Bldg., Santa Monica.

Bids Wanted—To Close Dec. 16.

ADDITION Cost, \$100,000

LOS ANGELES, Cal. No. 7675 S. San Pedro Street.

Two-story brick and hollow tile high school addition (70x140 feet).

Owner—City of Los Angeles School District.

Architect—Edwin Bergstrom, Citizens National Bank Bldg., Los Angeles.

Completing Plans.

ADDITION Cost, \$7500

ALBANY, Alameda Co., Calif. Marin School.

Brick kindergarten addition to school (composition roof, maple floors, steam heat, connecting to main plant).

Owner—Albany School District.

Architect—Paul Dragon and C. R. Schmidts, Mercantile Bank Bldg., Berkeley.

Bids will be asked in about 1 week.

SAN FRANCISCO—Heywood-Wakefield Co., 243 Golden Gate Ave., under Proposal No. 753, awarded contract by city purchasing agent, to furnish opera chairs for the school department as follows:

Balboa High School—Total 2,025 chairs in birch for the sum of \$9,517.50.

Aptos Junior High School—Total 1,111 chairs in birch for the sum of \$5,221.70.

James Lick Junior High School—Total 747 chairs in birch for the sum of \$3,510.90.

Additional Contracts Awarded.

REBUILD STORE Cost, \$20,000

CHICO, Butte Co., Cal. Second and Wall Streets.

Rebuild store partially destroyed by fire (Class C composition, steel frame, brick exterior, wood interior).

Owner—Louis Saroni, 725 Battery St., San Francisco.

Architect—Russell Guerne DeLappe and Vladimir Oglov, 374 17th St., Oakland.

Elevators—Vincent Whitney Co., 365 Market St., San Francisco.

Heating—Aladdin Heating Corp., 5107 Broadway, Oakland.

As previously reported, carpentry awarded to Geo. Pearl, Durham, Calif.

Plans Awaiting Approval.

SCIENCE HLDS. Cost, \$202,000

SAN JOSE, Santa Clara Co., Cal.

Three-story and basement reinforced concrete Science Bldg. (tile roof, steam heating system).

Owner—State of California.

Architect—Ralph Wyckoff, Growers' Bank Bldg., San Jose.

Associate Architect—Chas. McKenzie, Twohy Bldg., San Jose.

Mechanical Engineers—Leland & Halsey 58 Sutter St., San Francisco.

Plans have been forwarded to Sacramento for approval and bids will be asked shortly.

Preparing Working Drawings.

COLLEGE Cost approx. \$300,000

SAN FRANCISCO, Turk St. and Masonic Ave.

Two 3-story reinforced concrete women's college.

Owner—Sisters of Sacred Heart College.

Architect—H. A. Minton, 525 Market Street.

Planned.

COLLEGE ADDITION Cost, \$9750

ARCATA, Humboldt Co., Cal. State Teachers' College.

Addition to State Teachers' College.

Owner—State of California.

Architect—Geo. B. McDougall, State Architect, Public Works Building, Sacramento.

Sub-Contracts Awarded.

GYMNASIUM Cost, price, \$418,000

BERKELEY, Alameda Co., Cal. Campus of the University of California.

Two-story and basement Class A steel frame and concrete men's gymnasium (gymnasium type hardwood floors, composition, rock, asphalt and gypsum roofing, steel sash, etc.)

Owner—University of California.

Architect—Geo. W. Kelham, 315 Montgomery St., San Francisco.

Contractor—Dinwiddie Construction Co., Crocker Bldg., San Francisco.

Structural Steel—Judson Pacific Co., 609 Mission St., San Francisco.

Excavation—J. Catucci, 1212 18th Ave. Oakland.

As previously reported heating awarded to Turner Co., 329 Tehama St., San Francisco, \$30,474; electric to Alta Electric & Mfg. Co., 938 Howard St., San Francisco, \$109,697; plumbing to F. W. Snook, 596 Clay St., San Francisco, \$75,625.

Completing Plans.

SCHOOL Cost, \$140,000

LOS ANGELES, Cal. Seventy-first and Hoover Streets.

Two-story brick Class B school (200x40 feet).

Owner—Roman Catholic Bishop of Los Angeles and San Diego.

Architect—M. L. Barker and G. Lawrence Ott, 346½ S. La Brea Ave., Los Angeles.

Bids will be asked in about two weeks.

OAKLAND, Alameda Co., Calif.—Bids are being received by John W. Edgemond, secretary, Board of Education, Administration Building, E. 10th St. and 2nd Ave., to furnish and install a program and electric clock system in the Fremont High School, located on 45th and Foothill Blvd.

Date for opening bids has not yet been set. On previous call for bids following were submitted and rejected:

Standard Electric Time Co., Oakland, \$1,310; International Time Recording Co., San Francisco, \$1,644; F. A. Thomas Co., Inc., S. F., \$2,438.

BANKS, STORES & OFFICES

Plans Being Completed.
STORE & OFFICES Cost, \$—
SAN FRANCISCO. Main and Mission Streets.

One-story, basement and mezzanine floor reinforced concrete store and offices (45x130 ft.); terra cotta exterior, aluminum windows.

Owner—Spohn & Ward, 68 Post St., San Francisco.

Bids will be asked in about one week.

Contract Awarded.
STORE Cont. Price, \$6083
OAKLAND, Alameda Co., Cal. Lake-shore Avenue.

One-story brick store (part tile, tar and gravel roof).

Owner—Lionel Hoge, 35 Muir Street, Oakland.

Plans by Ray Keefer and E. L. Herberger, 770 Westley Ave., Oakland.

Contractor—Irwin H. Reimers, 745 Walla Vista Ave., Oakland.

Following is complete list of bids received:

Irwin H. Reimers, Oakland.....	\$6083
Beckett & Wright, Berkeley.....	6400
H. K. Henderson, Oakland.....	6689
Lingren & Swinerton, Inc., Oakland.....	6780
A. J. Flagg, Oakland.....	6930
C. H. Thrums, Oakland.....	6990
B. F. Woolley, Oakland.....	6998
Leo Dolan, Oakland.....	7640

Bids In—Held Under Advice.
ALTERATIONS Cost, \$7000.
SAN FRANCISCO. Sutter and Stockton Streets.

Alterations to present building.
Owner—L. H. Bennett Co., Rialto Bldg., San Francisco.

Architect—F. Eugene Barton, Crocker Bldg., San Francisco.

Announcement will be made within a few days.

Contract Awarded.
ALTERATIONS Cost, \$6000
SAN JOSE, Santa Clara Co., Cal. Notre Dame and Carlisle Sts.

Alterations to type 3 business building.

Owner—Rosicrucian Press, 161 W. Julian St., San Jose.

Architect—Not Given.

Contractor—George Koehler, 1030 Asbury St., San Jose.

Bids In—Held Under Advice.
REMODEL BLDG. Cost, \$—
HOLLISTER, San Benito Co., Cal. REMODEL present building for store.
Owner—Bank of America.
Architect—H. A. Min-ton, Bank of America Bldg., San Francisco.

Sub-Contracts Awarded.
REMODEL STORE Cost, \$6000
STOCKTON, San Joaquin Co., Cal. 24 West Harding Way.

Remodel store.

Owner and Builder—J. F. Shepherd, First National Bank Bldg., Stockton.

Architect—Not Given.

Mill Work—Union Planing Mill, Taylor and Sutter Sts., Stockton.

Lumber—Diamond Match Co., Fremont and Stockton Sts., Stockton.

Painting—J. F. Ecker, 17 W. Poplar St., Stockton.

Plastering—John Perry, 1005 N. Commerce St., Stockton.

Brick Work—Dick Williams, Stockton.

Electric—Eddy Electric Co., 309 E. Weber St., Stockton.

Plumbing—W. T. Gibson Co., 123 S. Grant St., Stockton.

Glass bids are being taken.

December 3, 1931
Sub-Contracts Awarded.
STORE Cost, \$4000
ALAMEDA, Alameda Co., Calif. 2320 Central Avenue.
One-story brick store.
Owner—Fred. Finch Orphanage, 3670 Coolidge Ave., Oakland.
Architect—Not Given.

Contractor—H. T. McKallor, 2231 39th St., Oakland.

Plumbing—A. R. Cranston, 2124 San Jose Ave., Alameda.

Concrete Floor—Riachel and Bredhoff, 1555 Central Ave., Alameda.

Roofing—Globe Roofing Co., 624 Haight Ave., Alameda.

Sprinkler System Awarded.
OFFICES Cost, \$325,000
SAN FRANCISCO. N McAllister W Polk St. (60x120-ft.)

Six-story and basement Class A reinforced concrete offices (terra cotta and granite facing; steam heating system, etc.)

Owner—Perry F. Burke, % William Magee, 69 Sutter St.

Architect—Bliss & Fairweather, Balboa Building.

Contractor—Barrett & Hilp, 918 Harrison Street.

Engineer—T. Ronneberg, Crocker Building.

Film Vault Sprinkler System—Grinnell Co. of the Pacific, Fifth and Brannan Sts.

Other awards previously reported.

Contract Awarded.
REMODEL BLDG. Cost, \$—
ANTIOCH, Contra Costa Co., Cal. No. 619 Second Street.

Remodel and refurnish present office building.

Owner—Dr. L. W. Brynan, 619 2nd St., Antioch.

Architect—Not Given.

Contractor—George Fields, 410 H St., Antioch.

Painting and Decorating—Harry Tassel, 507 5th St., Antioch.

Linoleum and Fixtures—Kaufman & Wolfe, 710 Second St., Antioch.

To Ask Bids In Thirty Days.
MARKET Cost, \$—
WATSONVILLE, Santa Cruz Co., Cal. E Lake Avenue.

One and one-half-story reinforced concrete market (tile floors; 55x140).

Owner—W. H. Weeks and A. P. Beck, 525 Market St., San Francisco.

Architect—W. H. Weeks, 525 Market St., San Francisco.

Lessee—City Properties, Inc., 1736 Franklin St., Oakland.

Planned.
PACKING PLANT Cost, \$—
PLACERVILLE, El Dorado Co., Calif. Fruit packing plant and marketing building.

Owner—W. A. Lambert, Forum Bldg., Sacramento.

Architect—Not Selected.

Preparing Preliminary Plans.
MARKET Cost, \$—
BERKELEY, Alameda Co., Cal. Location withheld.

Marking (type of construction not determined).

Owner—Withheld.

Architect—W. H. Weeks, 525 Market St., San Francisco.

Lessee—City Properties Co., Inc.

Preparing Preliminary Plans.
MARKET Cost, \$—
EAST OAKLAND, Alameda Co., Cal. Location Withheld.

Drive-In Market (type of construction not determined).

Owner—Withheld.

Architect—W. H. Weeks, 525 Market St., San Francisco.

Lessee—City Properties Co., Inc.

Contract Awarded.
STORE & LOFT Cost, \$30,000
SAN MATEO, San Mateo Co., Calif. Third Avenue.
Two-story and basement reinforced concrete store and loft building (Pabco roof, freight elevator, maple floors).

Owner—Martin Stelling and J. Gould, 155 Montgomery St., San Francisco.

Architect—Bertz, Winter and Maury, 210 Post St., San Francisco.

Lessee—J. J. Newberry Company.

Contractor—G. P. W. Jensen, 320 Market St., San Francisco.

Contracts Awarded.
REMODEL MARKET Cost, \$25,000
OAKLAND, Alameda Co., Cal. Grand and Webster Sts.

Remodel and renovate reinforced concrete market (12 departments).

Owner—Grand-Webster Bldg. Corp. Architect—W. H. Weeks, 525 Market St., San Francisco.

Lessee—City Properties, Inc., 1736 Franklin St., Oakland.

General Fixture Work—East Bay Refrigeration Corp., 951 Alleen St., Oakland.

Grading—Paul Frates, Premises.

As previously reported, clearing site awarded to John McCormick, 828 Filbert St., Oakland; wrecking, Dolan Bros., San Pablo and Ashby Aves., Oakland; flooring, Horn Prod. Co., 354 Hobart St., Oakland; concrete flooring to Douglas & Wolfe, Oakland.

Sub-Contracts Awarded.
EXCHANGE BLDG. Approx. \$170,000
SAN FRANCISCO. Pine and Steiner Streets.

Two-story and basement brick reinforced concrete and steel frame telephone exchange building.

Owner—Pacific Telephone and Telegraph Co., 140 New Montgomery St., San Francisco.

Plans by Eng. Dept. of Owner (E. V. Cobby in charge).

Contractor—MacDonald & Kahn, Financial Center Bldg., S. F.

Heating—J. H. Pinkerton, 927 Howard St., San Francisco.

Electric—Chas. Langlais, 472 Tehama St., San Francisco.

Plumbing—Turner Co., 329 Tehama St., San Francisco.

Brick Work—Reed & Reed, Hearst Bldg., San Francisco.

Sheet Metal—Steel Sash and Hollow Metal—Fire Protection Products Co., 1101 16th St., San Francisco.

Granite—McGillivray-Raymond Granite Co., 3 Potrero Ave., San Francisco.

As previously reported, footings and foundations awarded to Lindgren & Swinerton, Inc., 225 Bush St.; excavation to Sibley Grading & Teaming Co., 165 Landers St.; structural steel to Steel Erectors Consolidated, Ltd., 15th and Carolina Sts.

Preparing Preliminary Plans.
MARKET Cost, \$—
LOS ANGELES, Cal. NE Fairfax and San Vicente Blvd.

Class C brick market (100x130-ft.)

Owner—International Provision Co., 1470 Industrial St., Los Angeles.

Architect—J. A. Murrey, Hollywood Security Bldg., Los Angeles.

Planned.
STORE Cost, \$—
FAIRFIELD, Solano Co., Cal. Jackson Street.

One-story reinforced concrete store (50x100-ft.) tile roof, ornamental front.

Owner—Escano & Campos, Fairfield.

Architect—Not Given.

Present building on site will be moved, the contract being awarded to Louis Hagemann, of Fairfield. More definite information will be given shortly.

Contract Awarded.
ADDITION Cost, \$4500
SACRAMENTO, Sacramento Co., Cal.
 1117-19 15th Street.
 Addition to building.
 Owner—J. J. Jacobs, premises.
 Architect—Not Given.
 Contractor—Campbell Const. Co., 800
 R St., Sacramento.

Contracts Awarded.
ALTERATIONS Cost, \$7000
SAN FRANCISCO, Sutter and Stock-
 ton Streets.
 Alterations to present building.
 Owner—L. H. Bennet Co., Rialto Bldg.
 San Francisco.
 Architect—F. Eugene Barton, Crocker
 Bldg., San Francisco.
Carpentry and Mill Work—Atkinson
 Mill & Mfg. Co., 2985 Chapman
 St., Oakland.
Painting—J. A. Mohr & Son, 433 11th
 St., San Francisco.

Contract Awarded.
STORE Cost, \$6000
FRESNO, Fresno Co., Cal. A and
 Merced Streets.
 One-story brick store (31x91 feet; ice
 making machinery, etc.)
 Owner—Joe Cantino, A and Merced
 Sts., Fresno.
 Architect—W. D. Coates, 626 Rowell
 Bldg., Fresno.
 Contractor—Joe Lo Forti, Fresno.

THEATRES

To Ask Bids About Dec. 7.
THEATRE Cost, \$300,000
BERKELEY, Alameda Co., Cal. Shat-
 tuck Ave. and Bancroft Way.
 Two-story Class A reinforced concrete
 theatre and store (seating capacity
 1750).
 Owner—United Artists Theatres of
 California (Jos. M. Schenck, vice-
 president), 166 S. Vermont Street,
 Los Angeles.

Architect—Walker & Eisen and C. A.
 Balch, Western Pacific Bldg., Los
 Angeles.

It will be an L-shaped structure,
 160x80x35 feet in area, and will pro-
 vide 1750 seats; reinforced concrete
 and steel construction, marble and
 tile work, metal doors, steel sash,
 heating and ventilating systems.

CALIFORNIA—Harold B. Franklin,
 president of the Hughes-Franklin
 theatres, 7051 Hollywood Blvd., an-
 nounces that plans are under way for
 nine new theatres, similar in size and
 type to the recently completed Studio
 Theatre at Hollywood Boulevard and
 Hudson Avenue, to be built in San
 Francisco, Berkeley, Sacramento, San
 Diego, Oakland, Stockton and San
 Jose, Calif.; Phoenix, Ariz.; and Dal-
 las, Texas. They will have seating
 capacities ranging from 300 to 500
 and will have the automatic features
 provided in the Hollywood Theatre. S.
 Charles Lee, 2404 W. Seventh St., Los
 Angeles, will be the architect.

Sub-Contracts Awarded.
ALTERATIONS Cost, \$20,000
BERKELEY, Alameda Co., Calif. 3332
 Adeline Street.
 Remodeling reinforced concrete the-
 atre.

Owner—Kaliski-Harband Theatre Co.,
 3332 Adeline St., Berkeley.
 Architect—A. A. Cantin, 544 Market
 St., San Francisco.
 Contractor—A. J. Hopper, 1769 Pleas-
 ant Valley Ave., Oakland.
Structural Steel—Judson - Pacific Co.,
 foot Park Ave., Emeryville.
Plumbing—Arthur Johnson, 2121 Grant
 Berkeley.
Concrete Materials—Makin & Kennedy
 Inc., 101 4th St., Oakland.
Sash, Doors—Western Door & Sash
 Co., 5th and Cypress, Oakland.

As previously reported, lumber con-
 tract awarded to E. K. Wood Lbr.
 Co., Frederick and King Sts., Oak-
 land; electrical work to Matson and
 Seabrook, 4115 Broadway, Oakland;
 heating to Chas. R. Watts, 1166 Spruce
 St., Berkeley.

Work involves new concrete stair-
 way, pine flooring, re-arranging stage,
 ornamental plaster, revising electrical
 work, revising heating plant, general
 interior decoration.

Sub-Bids Being Taken.
REMODEL THEATRE Cost, \$15,000
PALO ALTO, Santa Clara Co., Cal.
 Remodel interior of theatre.
 Owner—Fox West Coast Theatres.
 Architect—Not Given.
 Contractor—Alfred J. Hopper, 1769
 Pleasant Valley Road, Piedmont.

WHARVES AND DOCKS

Preparing Preliminary Plans.
EXTEND DOCK Cost, \$200,000
SAN FRANCISCO, Fort Mason.
 Reinforced concrete extension to Dock
 No. 8 (cylinder piers, cresoated
 timber fender piling (81x200 ft.).
 Owner—United States Government.
 Plans by Constructing Quartermaster
 Fort Mason.

Preparing Plans.
SHED EXTENSION Cost, \$100,000
OAKLAND, Alameda Co., Cal. Outer
 Harbor.
 One-story reinforced concrete exten-
 sion to Transit Shed No. 2.
 Owner—City of Oakland Port Com-
 mission.
 Plans by Eng. Dept. of Owner.
 Bids will be asked about Feb. 1, 1932.

Plans Being Figured—Bids Close Dec.
 16, 2 P. M.
PIER EXTENSION Cost, \$—
SAN FRANCISCO, Pier No. 44.
 170-ft. extension to Pier No. 44 (cre-
 soated piles, timber construction);
 and connecting wharf 15-ft. wide
 bet. Piers Nos. 42 and 44 (timber
 construction).
 Owner—State of California (Harbor
 Commission).
 Engineer—Frank G. White, Ferry Bldg.

Steel Sash Contract Awarded.
SHED Cont. Price, \$92,648
SAN FRANCISCO, Pier 23, Foot of
 Greenwich Street.
 Steel frame shed (110x830 ft.); precast
 concrete wall slabs, redwood roof
 sheathing covered with asphalt and
 gravel).
 Owner—State of California (Harbor
 Commission).
 Engineer—Frank White, Ferry Bldg.,
 San Francisco.
 Contractor—Barrett & Hilp, 918 Har-
 rison St., San Francisco.
Steel Sash—Michel & Pfeffer Iron
 Works, Harrison and Tenth Sts.,
 San Francisco.

As previously reported, cast steel
 awarded to Enterprise Foundry Co.,
 2902 19th St., S. F.; roofing to Alta
 Roofing Co., 976 Indiana St., S. F.;
 reinforcing steel to Pacific Coast Steel
 Co., 20th and Illinois Sts., S. F.; pile
 jackets to Healy-Thibbitts Constr. Co.,
 64 Pine St., S. F.

SAUSALITO, Marin Co., Cal.—Pi-
 oneer Boathouse Co., Sausalito, at
 \$972.50 submitted low bid to city coun-
 cil to furnish and drive piles, saw and
 cap same and complete a wharf. Com-
 plete bids follow:
 Pioneer Boathouse Co., Sausa-
 lito \$972.50
 O'Neil & Legg, San Francisco, 1138.80
 Healy-Thibbitts, S. F., 1570.00
 A. W. Kitchen, S. F., 1637.00
 M. B. McGowan, S. F., 1859.00
 Bids held under advisement.

MISCELLANEOUS CONSTRUCTION

Preparing Plans.
ALTERATIONS Cost, \$25,000
OAKLAND, Alameda Co., Cal. 3479
 Piedmont Ave.
 Alterations and additions to one- and
 two-story mortuary (frame con-
 struction).
 Owner—Hill & Kammerer, 3479 Pied-
 mont Ave., Oakland.
 Architect—Raymond De Sanno, 2584
 Milvia St., Berkeley.
 New front, chapel, etc.

Low Bidder.
DANCE HALL Cost, \$11,000
MODESTO, Stanislaus Co., Cal. Tenth
 and K Streets.
 Rebuild dance hall (Class C concrete
 construction).
 Owner—Modesto Winter Garden, 1125
 Tenth St., Modesto.
 Architect—Fabre & Hildebrand, 110
 Sutter St., San Francisco.
 Low Bidder—H. H. Henning, 1751
 Berkeley Ave., Stockton.

Plans Being Figured—Bids Close Dec.
 16, 12 Noon.
CONCRETE TOWER Cost, \$100,000
SAN FRANCISCO, Pioneer Park on
 Telegraph Hill.
 Construct concrete monumental tower
 (install elevator, heating and electric,
 concrete work, quarry tile,
 iron work, carpentry, ornamental
 tile, and plumbing).
 Owner—City and County of San Fran-
 cisco.

Architect—Arthur Brown, Jr., 251
 Kearny Street.
 Bids for this work are being re-
 ceived by the Board of Park Commis-
 sioners, B. P. Lamb, secretary, Park
 Lodge, Golden Gate Park. Certified
 check 10% payable to the Park Com-
 missioners required with bid. Plans
 obtainable from the architect on de-
 posit of \$20.00.

MISCELLANEOUS SUPPLIES AND MATERIALS

PHOENIX, Ariz.—Until 10 A. M.,
 Dec. 16, bids will be received by Mar-
 copa County Supervisors for delivery
 by tank, truck, iron barrels or in such
 quantities as are required for the
 county's use during the year begin-
 ning Jan. 1 and ending Dec. 31, 1932,
 on the following products, delivery to
 be made at any point in Maricopa
 county:
 Approximately 300,000 gallons of
 gasoline.
 Approximately 50 barrels SAE No.
 30 lubricating oil.
 Approximately 75 barrels SAE No.
 40, lubricating oil.
 Approximately 100 barrels SAE No.
 50 lubricating oil.
 Approximately 10 barrels high pres-
 sure lubricant.
 Approximately 55 barrels gear oil for
 transmission and differentials.
 Approximately 6500 pounds of gear
 grease for transmissions and dif-
 ferentials.
 Approximately 5000 pounds universal
 oint grease.
 Approximately 800 pounds water-
 joint grease.
 Approximately 6000 pounds wheel
 bearing grease.
 J. E. DeSouza, clerk of the board of
 supervisors.

SANTA BARBARA, Cal.—Until 10
 A. M., December 9, bids will be re-
 ceived by Board of Education, 1255
 Chapala St., for supplying fuel oil
 for the school year 1931-32.

Engineering News Section

BRIDGES

SAN FRANCISCO.—Until Dec. 16, 2 P. M., bids will be received by Chief Engineer, San Francisco-Oakland Bay Bridge, 500 Sansome St., for boring cased holes and diamond drilling thru bedrock and taking of samples of material for investigation in connection with the San Francisco Approach. Project involves:

- (1) 4000 lin. ft. cased holes from mean high water or ground line to bedrock;
- (2) 250 lin. ft. diamond drill through bedrock.

TRINITY COUNTY, Cal.—As previously reported, bids will be received December 16, 2 P. M., by State Highway Commission to construct one reinforced concrete girder bridge across Canyon Creek, 11 miles west of Weaverlyville, consisting of five 40-ft. spans on concrete bents. Project involves:

- (1) 530 cu. yds. struc. excavation;
- (2) 135 cu. yds. Class "A" cem. conc. (placed by tremie);
- (3) 535 cu. yds. Class "A" cem. conc. (struct.);
- (4) 90,000 lbs. reinf. steel.
- (5) 2860 lbs. cast steel rockers and bearings;
- (6) 450 lin. ft. timber railing;
- (7) 1 lot miscellaneous items of work.

SOLANO COUNTY, Cal.—Until December 10, 3 P. M., under Circular Proposal No. 32-166, Specifications No. 3927, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, for removing an existing timber trestle and furnishing complete, and in place of same one 80-ft. timber trussed highway bridge span, together with timber pile abutments, across the dredge cut on the west side of Yolo By-Pass, in Solano County, about one-half mile south of the boundary line between Solano and Yolo Counties. Plans obtainable from above office.

MENDOCINO COUNTY, Calif.—As previously reported, bids will be received December 16, 2 P. M., by State Highway Commission to construct two reinforced concrete bridges about 7½ miles south of Lanes Flat, one across Big Dann Creek consisting of one 320 ft. open spandrel arch span and six girder approach spans varying in length from 51 ft. 6 in. to 39 ft. 6 in., and the other Cedar Creek consisting of one 320 ft. open spandrel arch span and six girder approach spans varying in length from 48 ft. 6 in. to 46 ft. 6 in. Project involves:

- (1) 11,000 cu. yds. stripping;
- (2) 9,200 cu. yds. struc. excav.;
- (3) 3,750 cu. yds. class A cem. conc.;
- (4) 1,320 cu. yds. class B do;
- (5) 109 cu. yds. class E do;
- (6) 1,460 cu. yds. class F do;
- (7) 762,000 lbs. reinf. steel;
- (8) 14,900 lbs. cast steel rockers and bearings;
- (9) 3,400 lbs. bronze expansion plates.
- (10) 1 lot misc. items of work.

LOS ANGELES, Cal.—Merrill Butler, Chief Bridge Engineer, will start plans immediately for construction of Figueroa St. tunnel. It will be approximately 755 ft. in length, 46 ft. 6

in. wide, with a 40 ft. roadway, and will be driven through the ridge of hills between Elshops Road and Solano St., the latter street being the present south portal of the recently completed series of three tunnels connecting Dayton Ave. with Solano St. and thence to North Broadway. The distance between the completed tunnel measured from the Solano St. entrance and the north entrance to the proposed tunnel will be approx. 800 ft. Extension and widening of Figueroa St. bet. College Ave. and the south entrance is under way. The tunnel work is estimated to cost \$500,000, all of which will be paid in cash.

REDONDO BEACH, Los Angeles Co., Cal.—Atlas Const. Co., 39 Congress St., Pasadena, submitted the low bid to city council at \$13,475 to construct a Class A reinforced concrete viaduct complete. The structure will be 103 ft. in length, with 4-ft. roadway and 5-ft. walks. This bridge is to be built in connection with the improvement of Vincent St. The paving was awarded to Griffith Co. Nov. 5. D. L. Bundy, city engineer. The other bids were:

- Gleibisch & Hoak, \$14,400.
- Union Engineering Co., \$14,417.
- Schuck Const. Co., \$14,850.
- Wigg Const. Co., \$15,000.
- M. M. Waddell, \$15,451.
- Neil G. Gibbons, \$15,875.
- Neard Const. Co., \$16,242.
- Myers Bros., \$16,358.
- Franklin B. Gridley, \$16,400.
- Harry Friedman, \$16,435.
- Andy Sordal, \$16,755.
- W. M. Ledbetter & Co., \$19,842.

SALINAS, Monterey Co., Cal.—Until 7:30 P. M., Dec. 7, bids will be received by M. R. Keef, city clerk, to construct a wooden bridge across the Reclamation Ditch on California Ave. Bridge to be 56 ft. 10-in. long, 21 ft. wide. Certified check 10% payable to city required with bids. Specifications obtainable from city clerk.

LOS ANGELES, Cal.—Bids will be asked shortly by the county supervisors to construct a timber and steel bridge in Park Blvd. over the arm of Alamitos Bay at Recreation Lagoon. The plans call for a bridge 327 ft. in length, with one center removable steel span, 41 ft. 4 in. in length, the remainder of the spans, which are wooden, being each 20 feet in length. Construction will require crosscoated piling in 40-ft. lengths. The roadway will be 24 ft. with one 5-ft. walk. The deck will be laminated with a 4-in. asphaltic concrete wearing surface.

MERCED COUNTY, Cal.—State Highway Commission is preparing plans for an underpass at the Oakdale Crossing of the Southern Pacific Tracks north of Merced, eliminating temporary bridge over Bear Creek. The project will cost \$125,000. C. H. Purcell is state highway engineer.

SAN FRANCISCO.—Should the attack on the Golden Gate bridge be continued through the Federal Courts to the U. S. Supreme Court, as threatened, a final decision can be obtained within twelve months, according to the opinion of Chester L. Masslich, New York bond consultant for the

Golden Gate Bridge and Highway District. With this assertion he discounted the fear of proponents of the project that its construction might be delayed indefinitely by the litigation commenced by the law firm of McCutcheon, Olney, Mannon and Greene on the contention that the law under which the district was formed was unconstitutional.

Contracts awarded by the directors of the Golden Gate Bridge and Highway District, as previously reported, follow:

- (1a) Steel superstructure, involving 75,000 tons structural steel, to McClintic-Marshall Co., 2050 Bryant St., San Francisco, at \$10,494,000.
- (1b) Cable suspenders and accessories to American Cable Co., 425 2nd St., San Francisco, at \$6,255,767.
- (2) Main piers to Pacific Bridge Corporation, E Water and Salmon Sts., Portland, Ore., at \$2,260,000.
- (3) Anchorages to Barrett & Hilp, 918 Harrison St., San Francisco, at \$1,645,841.
- (4) San Francisco and approach spans to Columbia Steel Co., San Francisco, at \$996,000.
- (5) Presidio road to Barrett & Hilp, 918 Harrison St., San Francisco, at \$966,180.
- (6) Sausalito road to Grandfield, Farrar & Carlin, San Francisco, at \$67,586.
- (7) Paving main approach spans to Barrett & Hilp, 918 Harrison St., San Francisco, at \$345,000.
- (8) Electrical work, including beacon lights, to Alta Electric Co., 938 Howard St., San Francisco, \$142,460.
- (9) Cable housing and toll terminals to Barrett & Hilp, 918 Harrison St., San Francisco, at \$71,430.
- (10) 100,000 barrels Portland cement—all bids rejected. The purchase will be made in the open market.

SAN FRANCISCO, Calif.—Until December 23, 2 P. M., bids will be received by Chief Engineer, San Francisco-Oakland Bay Bridge, 500 Sansome St. to investigate bridge foundation sites on Yerba Buena Island consisting of boring cased holes and diamond drilling through bedrock and taking samples of material for investigation. Project involves:

- (1) 2,400 lin. ft. diamond drill thru bedrock;
- (2) 100 lin. ft. cased holes from ground line to bedrock.

DREDGING, HARBOR WORKS & EXCAVATIONS

NYSSA, Ore.—Until December 23, 10 A. M., bids will be received by U. S. Bureau of Reclamation, Nyssa, for construction on the North Canal, Mitchell Butte Division, Owyhee Project, Oregon-Idaho, including earthwork, tunnels and structures. Project involves:

SCHEDULE ONE

Earthwork and structures on North Canal, Sta. 4+20.63 to Sta. 235+64.33 and operating roads at Tunnel No. 2 and between Tunnel No. 3 and Black Willow Syphon:

- (1) 100,000 cu. yds. excav. canal and roads, class 1;
- (2) 291,000 cu. yds. excav. canal and roads, class 2;

- (3) 123,000 cu. yds. excav. canal and roads, class 3;
- (4) 23,000 cu. yds. excav. for core bank;
- (5) 3000 sta. yds. overhaul;
- (6) 100 cu. yds. excav. structures, class 1;
- (7) 100 cu. yds. excav. structures, class 2;
- (8) 500 cu. yds. excav. structures, class 3;
- (9) 1350 cu. yds. excav. for drainage channels, for culv. and wasteways, class 1;
- (10) 1450 cu. yds. excav. drainage channels for culv. and wasteways, class 2;
- (11) 1950 cu. yds. excav. for drainage channels for culv. and wasteways, class 3;
- (12) 1000 cu. yds. backfill about struc.;
- (13) 700 cu. yds. puddling or tamping back fill about structures;
- (14) 300 lin. ft. laying 6-in. diameter drainpipe;
- (15) 20 cu. yds. gravel backfill around drainpipe;
- (16) 760 cu. yds. concrete in struc.;
- (17) 75,000 lbs. placing reinforcement bars;
- (18) 28,000 lbs. installing gates, gate lifts, and misc. metal work.

SCHEDULE TWO

- Tunnel Nos. 2 and 3, approach tunnel to Owyhee River, siphon and tunnel transitions:
- (1) 3000 cu. yds. excav. in open cut, class 1;
 - (2) 4000 cu. yds. excav. in open cut, class 2;
 - (3) 4000 cu. yds. excav. in open cut, class 3;
 - (4) 1000 cu. yds. backfill;
 - (5) 320 cu. yds. puddling OR tamping backfill;
 - (6) 20,000 cu. yds. excav. tunnels, all classes;
 - (7) 40 M. ft. B.M. furnish and erect permanent timbering in tunnels;
 - (8) 740 cu. yds. concrete in portal structures and transitions;
 - (9) 5000 cu. yds. concrete in tunnel lining;
 - (10) 80,000 lbs. placing reinforcement bars.

SACRAMENTO COUNTY, Cal.—Until December 15, 3 P. M., under Circular Proposal No. 32-153, Specifications No. 3894, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, for furnishing all plant, labor, and materials and performing all work for raising and strengthening an existing levee on the easterly side of Yolo By-Pass along the west side of Reclamation District No. 1660, beginning at the intersection of the east levee of Yolo By-pass with the Sacramento Northern Railroad near Elkhorn Station, and extending northerly to the Sacramento River, a distance of approximately 6.3 miles. The quantity of material to be moved is approximately 450,000 cubic yards. Specifications obtainable from above office.

PITTSBURG, Contra Costa Co., Cal.—Until December 7, 3 P. M., under Circular Proposal No. 32-168, Specifications No. 3928, bids will be received by U. S. Engineer Office, California Fruit Bldg., for assembling and installing 40 feet of 48-in. corrugated culvert pipe with automatic drain gate through the levee on the southerly side of the San Joaquin River about three miles east of Pittsburg. Specifications obtainable from above office.

OROVILLE, Butte Co., Cal.—J. A. Baumgarner, county engineer, authorized by county supervisors to construct a bridge over the Esquon canal on the Durham and Oroville Road by day labor under the emergency clause.

PROSSER, Wash.—Until Dec. 30, 10 A. M., under Spec. No. 647, bids will be received by U. S. Bureau of Reclamation, Denver, Colo., for the construction of the Prosser Power Canal, Prosser Power Plant and alterations of the Prosser Diversion Dam, Kennewick Division, Yakima Project, Washington. The project involves: Diversion and care of river during construction;

Removal of part of old diversion works;

165,000 cu. yds. of all classes of excavation;

60,500 sta. cu. yds. overhaul;

37,500 cu. yds. compacting embankments;

1,200 sq. yds. gravel blanket;

23,600 sq. yds. earth blanket;

6,000 cu. yds. backfill;

3685 cu. yds. of concrete;

370 cu. yds. of riprap;

Placing 210,000 lbs. reinf. bars;

Drilling 656 lin. ft. grout holes;

Erecting 38 M. ft. h.m. timber;

Constructing 2525 lin. ft. 8- to 12-in. pipe underdrains;

Laying 280 lin. ft. of 12- and 18-in. precast concrete pipe;

Erecting 25,000 lbs. structural steel;

Installing 28,000 lbs. misc. metal work;

Installing 49,300 lbs. gates and gate lifts;

Installing 1000 lin. ft. electrical conduits;

Erecting power plant building;

This invitation for bids does not cover the purchase of materials which are to be furnished by the Government. Materials to be furnished by the contractor, and those furnished by the Government are described in the specifications.

Specifications and further information obtainable from the U. S. Bureau of Reclamation, Denver, Colo. Deposit of \$250 required for plans.

SAN RAFAEL, Marin Co., Calif.—Until Dec. 7, 11 A. M., bids will be received by Constructing Quartermaster, 829 Fourth St., San Rafael, for furnishing and driving eight or more untreated test piles and load bearing tests. Piles will be driven at Marin Meadows Ranch. Plans obtainable from the Constructing Quartermaster's Office at San Rafael.

STREET LIGHTING SYSTEMS

MODESTO, Stanislaus Co., Calif.—City council orders erection of electroliers on both sides of 11th Street from K St. to Needham Ave. An appropriation of \$5,100 was made for the work. Frank J. Rossi, city engineer.

SAN FRANCISCO.—H. C. Reid and Co., 389 Clementina St. at \$3,975 submitted low bid to Board of Public Works to install ornamental street lights in Sections D-1 and E, Alemany Blvd., involving:

- (1) 40 erect, assemble and paint ornamental iron standards;
 - (2) 40 furnish and install luminaries lamps;
 - (3) 40 construct concrete foundations for standards;
 - (4) 12,700 ft. furnish and install 5,000 volt single conductor R. and L. C. wire;
 - (5) 450 ft. install 1½-in. galv. conduit.
- Complete list of bids follows:
- | | |
|--------------------------|---------|
| H. C. Reid & Co. | \$3,975 |
| Butte Elec. & Mfg. Co. | 4,437 |
| Alta Elec. & Mech. Co. | 4,440 |
| R. Elmore | 4,480 |
| City Improvement Co. | 4,575 |
| Brayer Electric Co. | 4,850 |
| Eaton & Smith | 4,880 |
| Weidenthal-Gosliner Co. | 4,985 |
| Atlas Elec. & Eng. Corp. | 5,148 |

LOS ANGELES, Cal.—Griffith Co., Los Angeles Railway Bldg., at \$40,867 awarded contract by Board of Public Works to improve San Pedro Street between 39th St. and Vernon Ave., involving grading; concrete and Warrentite-Bit. pave., curbs, gutters, ornamental street lighting system.

ALAMEDA, Alameda Co., Cal.—City council plans to improve Webster St. from the segregation line south of Central Ave. One plan is to widen the street four feet on each side; two alternates will be considered, providing for overhead or underground wiring system for new street lighting system.

MACHINERY AND EQUIPMENT

KING CITY, Fresno Co., Cal.—Until December 8, 8 P. M., bids will be received by A. Frew, Clerk of the King City Union High School Board, to furnish a four-door sedan. Price not to exceed \$700.

OROVILLE, Butte Co., Cal.—County purchasing agent authorized by board of supervisors to purchase one 60 Caterpillar tractor, one 12-ft. road grader and one rock spreader for engineering department.

WASHINGTON, D. C.—See "Government Work and Supplies," in this issue. Bids wanted by Bureau of Supplies & Accounts, Navy Department, to furnish and deliver miscellaneous supplies and equipment to Pacific Coast Navy Yards and Stations.

OAKLAND, Cal.—All bids received November 17 by Port Port Commission to furnish tractor elevating truck for stacking cotton have been rejected. Complete bids published in issue of November 18.

PASADENA, Los Angeles Co., Cal.—Austin-Western Road Machinery Co., 4400 District Blvd., Los Angeles, submitted low bid to city directors at \$7250, with 2% discount for cash, for furnishing the city, Los Angeles, a motor pickup street sweeper equipped with gutter and pickup brooms and pneumatic tires, complete, including lamps, tools, etc. Elgin Corp. bid \$7,250.

LONG BEACH, Cal.—Shepherd Tractor & Equipment Co., 514 W 12th St., awarded contract by city manager at \$2670, for furnishing two road discs and two road graders.

FIRE ALARM SYSTEMS

LOS ANGELES, Cal.—Until 12 M. Nov. 27, bids will be received by the county purchasing agent, H. E. Russell, 132 N Broadway, for furnishing conduit under Spec. No. 2075. The items are:

- (1) 2500 ft. conduit, galv., ½-in., 10 ft. lengths, 100 ft. to bdl.;
- (2) 1000 ft. conduit, galv., ¾-in., 10 ft. lengths, 50 ft. to bdl.;
- (3) 500 ft. conduit, galv., 1-in., 10 ft. lengths, 50 ft. to bdl.;
- (4) 6 each, transformers, bell ringing, H-D 50-watt.

FRESNO, Fresno Co., Calif.—City commission has appropriated \$2800 for the purchase of traffic signals for Fulton and Tulare and Fulton and Fresno Sts., and at Stanislaus St. and Van Ness Ave.

RESERVOIRS AND DAMS

LOS ANGELES, Cal.—Andrianos & Biller, 521½ S. Main St., submitted low bid to the County Supervisors at \$25,260 for the driving of the outlet tunnel for the San Gabriel Dam No. 2, approximately 1000 lin. ft. of 16-ft. diameter tunnel. Unit bids follow:

- (1) 6000 cu. yds. driving of timbered tunnel complete;
- (2) 400 cu. yds. driving of timbered tunnel complete, including all costs of timbering;
- (3) 3400 cu. yds. excavation for open cut approaches at portals of tunnel.

The bids were:

	(1)	(2)	(3)
Andrianos & Biller.....	\$ 3.30	\$ 5.00	\$1.00
Nevada Contg. Co.....	4.25	6.75	1.00
J. N. Gordon.....	3.75	5.25	3.00
R. L. Cox.....	4.40	6.20	1.75
Merritt-Chapman.....	5.00	6.00	1.00
The Utah Const. Co.....	5.25	7.50	1.00
G. & Bell.....	5.45	6.75	1.00
L. E. Dixon Co.....	6.50	7.60	.50
Rent Bros., Inc.....	6.35	7.00	1.25
Floyd Shofner.....	8.40	10.50	2.00
Macco Constr. Co.....	11.00	20.00	1.50

PIPE LINES, WELLS, ETC.

SAN BERNARDINO COUNTY, Cal.—J. W. Burkhardt, Victorville, at \$747.50 awarded contract by State Highway Commission to drill water well at the Baker Maintenance Station.

RIVERSIDE COUNTY, Calif.—Lyon Bros., 1363 Carmona St., Los Angeles, at \$3,000 awarded contract by State Highway Commission for drilling a water well at Shaver's Summit maintenance station. Complete bids published in issue of November 25.

SAN JOSE, Santa Clara Co., Cal.—Until Dec. 21, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to drill a well at County Alms-house at Milpitas. Well to be 14-in. in diameter, 360 ft. deep. Specifications on file in office of clerk. Robert Chandler is county surveyor.

SEWERS AND SEWAGE DISPOSAL PLANTS

SAN MATEO, San Mateo Co., Cal.—Until Dec. 7, 8 P. M., bids will be received by E. W. Foster, city clerk, to furnish and install sewage pump, motor and control equipment at septic tank. Specifications obtainable from city clerk. Certified check 10% required with bid.

TRACY, San Joaquin Co., Cal.—City council orders immediate action in laying of extension water mains in the Johnson subdivision, western end of Tracy. E. T. A. Bartlett, city engineer. Work will be done by day labor. Estimated cost, \$1500.

FRESNO, Fresno Co., Cal.—Thompson Const. Co., 2150 G St., Fresno, submitted low bid to city commission to construct a sewer to serve the municipal airport. Separate bids were taken on:

- (1) vitrified sewer;
 - (2) concrete sewer.
- Bids follow:
- Thompson Const. Co., Fresno, (1) \$3262 (2) \$3322.94.
- E. W. Rodman, Fresno, (1) \$3474.90 (2) \$3495.37.

SIGNAL HILL, Los Angeles Co., Cal.—Until 3 P. M., Dec. 21, bids will be received by city council for construction of a sewage disposal plant and water purification plant. Estimated cost, \$70,000. Plans were pre-

pared by the Currie Eng. Co., Andre-son Bldg., San Bernardino.

The sewage disposal and treatment plant will be of the Imhoff tank type with trickling filter and a sludge bed of approximately 3000 sq. ft. area. The tank will have a diameter of 26 ft., the filter bed a diameter of 90 ft., with a second tank of 30 ft. diameter. The sludge bed is 50x60-ft. construction of the plant including a control house, 18x30-ft., will be of reinforced concrete. Equipment will include three pumping stations. The trickling filter will be of crushed stone. The project also includes a pressure filter system to filter the effluent to render it suitable for use in refineries and other commercial plants for cooling purposes.

Plans obtainable after Nov. 30 from the city clerk, Geo. H. Cooper, City Hall, 2120 Cherry St., Signal Hill, upon deposit of \$15, of which \$10 is returnable. Certified check or surety company bond, 10% to accompany the bid. Cash contract.

BEVERLY HILLS, Los Angeles Co., Cal.—R. J. Blanco, Box 324, Manhattan Beach, awarded contract by city council at \$14,400 to construct storm drain in Linden Drive, Roxbury Dr. and other streets.

BEVERLY HILLS, Los Angeles Co., Cal.—Until 8 P. M., Dec. 22, bids will be received by city council for construction of sewer lines in vicinity of the new city hall, including:

- (1) 1022.19 ft. 12-in. vit. sewer (main);
- (2) 468.47 ft. 8-in. vitrified sewer;
- (3) 40 ft. 6-in. vitrified sewer (house connection);
- (4) 42.43 ft. 4-in. do;
- (5) 6 standard brick manholes;
- (6) 1 standard brick drop manhole.

Plans obtainable from W. R. Metz, city engineer. Work will be paid for in cash.

MISCELLANEOUS CONSTRUCTION

OAKLAND, Calif.—Steel Tank and Pipe Co. of California, 1100 4th St., Berkeley, at \$7492 submitted sole bid and awarded contract by East Bay Municipal Utility District to construct and furnish 1850 lin. ft. ¾-in. thickness 24-in. diameter electric welded sheet steel pipe for the distribution system.

ALAMEDA - CONTRA COSTA COUNTIES, Cal.—Plans for the proposed low-level tunnel through the Berkeley hills and approaching roads in connection therewith, have been filed with the supervisors of both counties and the State Department of Public Works.

It is proposed to rush construction with a view to relieving unemployment conditions in the East Bay district.

Principal features of the project are:

- 1—Construction of a tunnel 3184 feet long and providing four auto traffic lanes.

- 2—Construction of a main highway, 60 feet wide, from upper Broadway in Oakland to the west portal of the tunnel.

- 3—Berkeley and Oakland "lateral" highways connecting with the main tunnel highway near the Temescal dam, to provide direct approaches to the bore from Berkeley and from East Oakland.

- 4—Construction of a main highway approach in Contra Costa County.

At the same time the directors asked the state to contribute \$300,000 toward the cost of the project and apportion the balance between Alameda and Contra Costa Counties—

\$3,763,354 to be paid by the former and \$418,706 by the latter.

The directors also recommended that the project be financed by the issuance of revenue bonds, principal and interest to be paid by the two counties by special tax levies, from state gasoline taxes, from other funds appropriated by the boards of supervisors or from a highway district tax levied for the purpose.

Plans for the tunnel and approaches were drafted by County Surveyor George A. Posey of Alameda County, as chief engineer of the district, and County Surveyor R. B. Arnold of Contra Costa County, as associate engineer.

WATERWORKS

SANTA CRUZ, Santa Cruz Co., Cal.—Until December 7, 2:45 P. M., bids will be received by S. A. Evans, city clerk, to furnish 2000 feet of 14-inch welded pipe to replace portions of water system. There will be 1000 ft. of 10-gauge and 1000 ft. of 12-gauge. Estimated cost, \$3,500. R. S. Tait, water superintendent. Roy Fowler, city engineer.

SAN FRANCISCO—Until Dec. 11, bids will be received by Board of Public Works for equipment in connection with the Corral Hollow Pipe Line Project, including:

- (A) Furnishing and delivering centrifugal pumps;
- (B) Furnishing and delivering power transformers;
- (C) Furnishing and delivering synchronous motors (1) nine 1000 hp. motors (2) three 900-hp. motors.

AGNEW, Santa Clara Co., Cal.—J. F. Shepherd, First National Bank Bldg., Stockton, at \$22,900 awarded contract by State Department of Public Works, Division of Architecture, to erect water tower at the Agnew State Hospital. Will have reinforced concrete foundations, floors and walls, 100,000-gallon steel tank; wood roof construction and tile roof.

SACRAMENTO, Cal.—Until Dec. 7, 3 P. M., under Order No. 3945-1891, bids will be received by U. S. Engineering Office, California Fruit Belts, to furnish and deliver Rio Vista, Sano County, one portable gasoline driven direct connected centrifugal pump, net weight not over 125 lbs. for pump and engine combined, capable of delivering 235 gals. per minute against a 10 ft. head; to come complete with flanges, hose clamps and hose connections for both suction and discharge ends, but no hose; pump must be self-priming; Evinrude Portable Centrifugal Pump, or equal.

MARCH FIELD, Riverside Co., Cal.—Constructing Quartermaster, March Field preparing plans for a 200,000-gal. elevated water tank and a 250,000-gal. ground tank, both to be constructed at March Field.

BEVERLY HILLS, Los Angeles Co., Cal.—Until 8 P. M., Dec. 22, bids will be received by the city council to furnish pipe and install same for the construction of a cast iron water line from Alpine Drive to Foothill Road. The project involves 3770 ft. 16-inch cast iron pipe, Salsbury, Bradshaw & Taylor, 72 W. 10th St., Los Angeles, are the consulting engineers. B. J. Firminger, city clerk.

DENVER, Colo.—Until December 15, 2 P. M., under Specification 550-D, bids will be received by the Chief Engineer, U. S. Bureau of Reclamation, to furnish two vertical, motor-driven

screw pumping units, capacity 25-second feet each, complete. Specifications obtainable from above office.

SAN FRANCISCO.—Ducommun Corp., 556 Townsend St., submitted low bid to City Purchasing Agent, under Proposal No. 777, to furnish standard weight galvanized steel pipe for the San Francisco Water Department. To be in random lengths, threaded and coupled, for Mill shipment f.o.b. 639 Bryant St., as follows:

- (1) 1,000 ft. 1½-inch;
- (2) 25,000 ft. ¾-inch;
- (3) 3,000 ft. 1-inch;
- (4) 5,000 ft. 1½-inch;
- (5) 5,000 ft. 2-inch.

Twenty-three bids were submitted, twenty-two of these being identical, the lowest bid and identical bids submitted being as follows: (bids per 100 ft.):

	Identical Bids	Ducommun
(1)	\$ 4.83	\$ 4.686
(2)	5.90	5.718
(3)	8.41	8.15
(4)	13.60	13.18
(5)	18.30	17.74

Identical bids were submitted by the following firms: Pacific Plumbing and Heating Supply Co.; Walworth-California Co.; Olsen and Heffernan; Turner Co.; Pacific Pipe Co.; O. J. Gleener Co.; R. W. Giddings Supply Co.; Steam and Plumbing Service Corp.; Dunham, Carrigan & Hayden; Grinnell Co. of the Pacific; Pioneer Pipe Co.; P. E. O'Hair; General Machinery and Pipe Co.; Marshall-Newell Co.; Federal Pipe and Supply Co.; Crane Co.; Richmond Sanitary Co.; Petroleum Equip. Co.; C. G. Claussen and Co.; Baker, Hamilton and Pacific Co.; Dalziel-Moller Co.; Tay-Holbrook Co. All bids taken under advisement.

OAKLAND, Cal.—Until Dec. 9, 8 P. M., bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, to erect a 25,000-gallon steel storage tank. Specifications obtainable from secretary.

RICHMOND, Contra Costa Co., Cal.—December 28 has been set by Kensington and San Pablo districts to vote on annexation to the East Bay Municipal Utility District. If the election carries, pipe lines will be built by the East Bay Municipal Utility District into the annexed territory.

OAKLAND, Cal.—Until December 17, 5:30 P. M., under Specification L.S. 72, bids will be received by J. H. Kimball, secretary, East Bay Municipal Utility District, to furnish approximately 60 feet of 36-inch reinforced concrete pipe for Lafayette Reservoir Wasteway. Specifications obtainable from above office.

SANTA CRUZ, Santa Cruz Co., Cal. Plans for a partial system of water mains in the Southwestern Addition have been submitted to the city council by R. S. Tait, city water superintendent. The cost is placed at \$5,199. A complete system, according to estimates submitted, will cost \$22,000.

PLAYGROUNDS & PARKS

WHITTIER, Los Angeles Co., Cal.—The \$265,000 bond issue for the purchase of a park site and constructing improvements thereon, was defeated at the election Nov. 24.

STREETS AND HIGHWAYS

SOUTHERN CALIFORNIA.—Highway construction contracts to be awarded in Southern California before April 1, 1932, will involve an expenditure of \$6,916,996, is announced by Col. Walter E. Garrison, state direc-

tor of public works. The projects include grading, paving, widening and surfacing of highways and the construction of several bridges. The estimated costs of the individual projects range from \$5300 to \$871,400. The list of proposed contracts follows:

Los Angeles County.—Grading and paving 7.4 miles from Las Flores to Santa Ynez, \$294,400.

Los Angeles County.—Grading and construction of bridges along 5 miles of the Tujunga-La Canada Road, \$127,000.

Los Angeles County.—Paving of 10.5 miles from Sepulveda Blvd. to Calabasas, \$209,000.

Riverside County.—Grading and surfacing of 16 miles of the Mecca-Blythe Road at a cost of about \$700,000.

Riverside County.—Grading and surfacing of the Imperial-Coachella Valley Highway, 14.6 miles, at a cost of approximately \$871,400.

Imperial County.—Grading and paving of 14.7 miles of the Border Highway between Coyote Wells and Dixieland, \$598,000.

Kern County.—Relocation of the Grapevine grade for 3 miles south of Grapevine Sta. to connect the Ridge Route with a long straightaway into Bakersfield, eliminating several dangerous curves, \$520,000.

Orange County.—Grading and paving from Dana Point to Laguna Beach 5.6 miles, \$470,000.

Orange County.—Widening pavement from Irvine to Tustin, 5.7 miles, \$184,095.

Orange County.—Grading and paving 3.7 miles between Newport and Corona Del Mar, \$203,233.

San Diego County.—Grading and laying concrete pavement, 14.6 miles, between Tecate Divide and Boulder, \$440,000 (portions of this job are in Imperial County).

San Diego County.—Grading and paving portions of El Cajon-Las Cofes Creek Road, 3.5 miles, \$191,568.

San Diego County.—Paving portions of San Diego-Oceanside Road, 2.9 mi., \$87,000.

San Diego County.—Grading 0.3 mi. between Carlsbad and Oceanside, \$5,300.

San Luis Obispo County.—Grading and surfacing 8.6 miles bet. Cambria and San Simeon, \$210,000.

Tulare County.—Grading and paving from Plaza Garage to Goshen and Plaza Garage to a point 0.3 mi. west, a total of 5.8 miles, \$272,000.

Tulare County.—Grading and surfacing of 10.6 miles from Lemon Cove to Three Rivers, \$350,000.

Ventura County.—Grading and paving 4.5 miles bet. Ventura and El Rio, \$100,000.

Ventura County.—Widening pavement, 1.1 miles, bet. Oxnard and El Rio, \$26,400.

San Bernardino County.—Grading and surfacing from Baker to a point 10 miles east, \$334,498.

San Bernardino County.—Grading and paving the west entrance to San Bernardino, \$150,000.

COCONINO COUNTY, Ariz.—Everly and Allison, Albuquerque, N.M., at \$145,131.95 awarded contract by U. S. Bureau of Public Roads, for grading Route No. 10, Grand National Park and Section A of the Cameron-Desert View approach to the park. A complete list of the unit and total bids received on this project was published in issue of November 25.

RED BLUFF, Tehama Co., Cal.—The Humboldt-Trinity-Tehama County Joint Highway District, formed for the purpose of improving the Red Bluff-Eureka Highway, will be reorganized under the provisions of the amendments to the joint highway dis-

trict lay passed by the last Legislature. Directors of the district are: T. A. Spencer, Tehama County, chairman; Dennis Rourke, Trinity County and Alex Mason, Humboldt County.

PHOENIX, Ariz.—Paving of approximately twenty-four blocks of streets is under consideration by city council. The city engineer, W. J. Jamieson, has been asked for a report.

LOS ANGELES, Cal.—Until 10 A. M., Dec. 9, bids will be received by the Board of Public Works for the improvement of streets in Oakden Drive and Jewett Drive Improvement District (1911 Act) (center line length 9227 feet), involving in the main:

Grading (57,870 cu. yds. cut, 14,745 cu. yds. fill. Note: Special flooding required):

170,216 sq. ft. 6-in. concr. paving;
15,419 ft. reinf. integral curb.
Storm drain, sanitary sewer, 4529 ft. house sewer, water system, 143 water services; retaining walls, complete, etc.

WASHINGTON STATE.—Until 10 A. M., Dec. 1, bids will be received by the Washington State Highway Department, Olympia, Wash., for highway construction as follows:

(1) **WHATCOM COUNTY.**—Clearing, grading, draining and surfacing crushed stone about 6.2 miles of State Road No. 1 (Lake Samish Branch), Bellingham South, work involving:

44.7 acres clearing;
237,320 cu. yds. excavation;
21,430 cu. yds. crushed stone;
5153 lin. ft. pipe culverts and other items.

(2) **LINCOLN COUNTY.**—Clearing, grading, draining and surfacing with crushed stone about 10.5 miles of State Road No. 2, Rocklyn to Creston, FAP No. 7-E, work involving:

20.8 acres clearing;
239,660 cu. yds. excavation;
33,100 cu. yds. crushed stone;
1970 lin. ft. pipe culverts and other items.

(3) **LEWIS COUNTY.**—Clearing, grading, draining and surfacing with crushed stone about 4.0 miles of State Road No. 5, Mossy Rock to Ajlone, FAP No. 134-C, work involving:

16 acres clearing;
46,000 cu. yds. excavation;
16,199 cu. yds. crushed stone;
1743 lin. ft. pipe and other items.

(4) **PACIFIC COUNTY.**—Clearing, grading, draining and surfacing with crushed stone about 2.6 mi. State Road No. 12, Fort Columbia to Point Ellice, involving:

23 acres clearing;
5900 cu. yds. tunnel excavation;
5900 cu. yds. tunnel excavation;
1000 cu. yds. tunnel backfill (conc. cl. C);

2640 cu. yds. tunnel lining (conc. cl. A);
11,040 cu. yds. crushed stone;
591 lin. ft. pipe culverts and other items.

SHASTA COUNTY, Cal.—James W. Bertram, Weott, at \$6700 awarded contract by State Highway Commission to furnish in stockpiles 2000 cu. yds. of crushed gravel or stone screenings between Montgomery Creek and Burney. Complete bids published in issue of November 17.

SAN LEANDRO, Alameda Co., Cal.—Until December 16, 8 P. M., bids will be received by E. F. Hutchings, city clerk, to furnish and roll 4800 cu. yds. rock on Park St., between northwestern line of Davis St. and northwestern boundary line of city.

Rock to be spread over entire roadway 60 ft. wide and 4 inches thick after rolling. Specifications obtainable from W. A. Richmond, city engineer, 1120 E-14th St., San Leandro. Certified check 10% payable to city required with bid.

SHASTA COUNTY, Calif.—J. P. Brennan, Redding, at \$13,376 awarded contract by State Highway Commission to grade and pave with Portland cement concrete 0.5 miles at Clear Creek, Shasta County.

SAN JOAQUIN COUNTY, Cal.—As previously reported, bids will be received December 16, 2 P. M., by State Highway Commission to grade and pave with asphaltic concrete 8.4 miles between 4.5 miles east of Lodi and 1.8 miles east of Clements. Projects involves:

- (1) 130 each, remove and dispose of trees;
- (2) 77,000 cu. yds. rdwy. excav. within class;
- (3) 435,000 sta. yds. overhaul;
- (4) 1720 cu. yds. struct. excav;
- (5) 11,700 cu. yds. salvaged surfacing
- (6) 17,500 tons untreated crushed gravel or stone surfacing;
- (7) 1370 bbls. light fuel oil;
- (8) 316 bbls. heavy fuel oil;
- (9) 55 tons emulsified asphalt;
- (10) 21,500 eons asphalt concrete (leveling course and Type "A" surface);
- (11) 51 cu. yds. Class "A" cem. conc. (struct.);
- (12) 4000 lbs. bar reinf. steel (struct.);
- (13) 440 lin. ft. 12" corrugated metal pipe;
- (14) 2330 lin. ft. 18" do;
- (15) 370 lin. ft. 24" do;
- (16) 780 lin. ft. corrugated metal pipe (clean and relay);
- (17) 925 lin. ft. salvage existing culverts;
- (18) 17 cu. yds. recover cem. conc. from existing structures;
- (19) Remove and salvage timber in nine existing bridges;
- (20) 2.7 mi. move and reset fences;
- (21) 0.6 mi. new property fence;
- (22) 4.4 mi. new hog tight property fence;
- (23) 40 tubular gates;
- (24) 2020 M. gals. water applied to base and surfacing;
- (25) 461 sta. finishing rdwy;
- (26) 111 monuments complete in place.

State will furnish corrugated metal pipe and cast steel frames and covers for drop inlets.

SAN FRANCISCO.—Until Dec. 3rd, 2 P. M., bids will be received by Frank G. White, chief engineer, State Board of Harbor Commissioners, Ferry Bldg., for paving north end of the Embarcadero, involving approximately 45,000 square feet of asphalt pavement covered with one and one-half inch Tokpeka wearing surface. Estimated cost \$3,000.

SAN DIEGO, Cal.—Griffith Co., 2104 Main St., San Diego, and Los Angeles Railway Bldg., Los Angeles, at \$54,200 submitted low bid to Public Works Officer, 11th Naval District, San Diego, and was recommended for award of contract for paving and drainage at the Naval Operating Base (Air Station), San Diego, under Spec. No. 6664. The work will consist in general of the excavation and grading for (a) the provision and installation of (a) 301,000 sq. ft. paving of an area adjacent to the West Beach hangars, using a one-course cement concrete pavement 5 inches total thickness; (b) 6900 sq. ft. two-course cement sidewalk, 4 inches total thickness; (c) a drainage system for the paved area and vicinity (pipe sizes will range from 6 to 30 inches in diameter.) The

estimated cost of drainage system is \$10,200; (d) sections of 4 inch diameter cast iron water pipe main; (e) additional electrical conduits between existing manholes and between existing manholes and hangar buildings. The other bids were:

B. G. Carroll	\$54,392.57
C. B. Butterfield	54,744.00
R. E. Hazard. Cont Co.	57,978.00
H. H. Peterson	59,053.00
Yglesias Brothers	60,750.00
O. U. Miracle	61,956.00
H. E. Cox & Son	61,975.00
Frank Doran	62,104.00

SANTA BARBARA, Cal.—Bids will be asked about Dec. 31 by the city council to improve Alameda Padre Serra bet. Los Olivos St. extension and Moreno Road, involving removal of pavement, curb, gutter, etc., and by the construction of cement concrete base and asphaltic concrete surface pavement, cement concrete base and sheet asphalt surface, asphaltic seal coat, combined curb and gutter, curb, driveways, catchbasins, 12-inch corrugated iron drain pipes, King Peronite cast metal ornamental lighting standards, etc. 1911 Act. E. E. Brown city engineer.

SANTA BARBARA, Cal.—Western Motor Transfer Co., Inc., 116 State St., Santa Barbara, awarded contract by city council at \$37,440 for resurfacing State St., the Southern California Edison Co. to finance the work. The surfacing will be of asphaltic concrete with an average thickness of 2 inches at the center.

MONO COUNTY, Calif.—Morrison-Knudsen Co., Boise, Idaho, at \$142,169 awarded contract by State Highway Commission to grade and surface with bituminous treated crushed gravel or stone 8.5 miles between Casa Diablo Hot Springs and Crestview. Complete total and unit bids published in our issue of Nov. 19.

SAN JOAQUIN COUNTY, Cal.—Until Dec. 16, 2 P. M., bids will be received by State Highway Commission to grade and pave with asphaltic concrete 8.4 miles between 4.5 miles east of Lodi and 1.8 miles east of Clements. Quantities involved in this project will be published in tomorrow's issue.

SANTA ANA, Orange Co., Cal.—Until 7:30 P. M., Dec. 7, bids will be received by city council to improve 17th St. bet. Ross and Main Sts., and portions of other streets. Plans obtainable from city engineer, DeWitt Dudley. Quantities follow:

- (1) 42,525.93 sq. ft. 6-in. conc. paving, including grading;
- (2) 56 sq. ft. 5-in. conc. paving, including grading;
- (3) 38,455.85 sq. ft. subgrade for asphalt concrete pavement;
- (4) 1427.67 tons asph. conc. paving;
- (5) 1013.23 tons asph. concrete top;
- (6) 537.54 lin. ft. cem. conc. curb;
- (7) 2455.32 sq. ft. 3½-in. walk;
- (8) 24,488.24 sq. ft. 4-in. walk;
- (9) 3911.74 sq. ft. 5-in. walk;
- (10) 1555.36 sq. ft. rock and oil;
- (11) 126 lin. ft. 6-in. vit. pipe sewer main;
- (12) 1 lamphole;
- (13) 848 lin. ft. 4-in. vit. sewer lateral;
- (14) 1 sewer lateral to be lowered;
- (15) 35 ¾-in. copper pipe water services;
- (16) 916 lin. ft. ¾-in. wrought iron pipe gas services;
- (17) 180 lin. ft. 2-in. wrought iron pipe gas main;
- (18) 1 reinf. conc. culvert complete, No. 1, reinf. conc. culvert complete, No. 2;
- (19) move ornamental light standards, Nos. 1 and 2;

(20) move ornamental light standard, No. 3;

(21) move ornamental light standards, No. 4.

Date changed from Nov. 30 as previously reported.

SAN FRANCISCO.—Bureau of Engineering, Department of Public Wks., 3rd floor City Hall, completes plans to improve 34th Ave. bet. Rivera and Santiago. Project involves:

- (1) 150 lin. ft. cement concrete curb;
- (2) 3,750 sq. ft. asph. conc. pavement.

PORTLAND, Ore.—Until Dec. 22, bids will be received by U. S. Veterans' Bureau, Arlington Bldg., Washington, D. C., for constructing and finishing complete at U. S. Veterans' Hospital, Portland, resurfacing roads and constructing parking space, including retaining walls, curbs, gutters and catchbasins. Specifications obtainable from above office.

STOCKTON, San Joaquin Co., Cal.—George French Jr., Post Office Box 675, Stockton, at \$15,168.30 awarded contract by county supervisors to improve Murphy Ferry Road, Road District No. 3, involving:

- (1) 8800 cu. yds. grading;
- (2) 7800 tons crusher run base;
- (3) 750 tons crushed rock;
- (4) 325 tons rock tip;
- (5) 260 tons pea gravel;
- (6) 170 barrels fuel oil;
- (7) 85 tons asphaltic oil;
- (8) 1 culvert pipe.

Total bids follow:

(A) George French Jr., Stockton \$15,168.30.

(B) Periera & Reed, Tracy, \$15,505.50.

(C) Willard & Biasotti, Stockton, \$15,907.25.

(D) Harms Bros., Galt, \$17,636.00.

(E) Clyde Wood, Stockton, \$17,731.75.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	15	15	20	22	13
(2)	1.21	1.20	1.22	1.32	1.50
(3)	2.18	2.30	2.15	2.25	2.25
(4)	2.28	2.40	1.25	2.50	2.25
(5)	1.93	2.05	1.95	2.40	1.90
(6)	1.50	1.50	1.80	1.60	1.50
(7)	15.00	18.00	17.50	18.00	15.00
(8)	2.50	2.50	5.00	10.00	5.00

SAN FRANCISCO.—Bureau of Engineering, Dept. of Public Works, 3rd floor, City Hall, is completing specifications to construct Clarendon Ave. grounds to the Laguna Honda Blvd. extension through Suto Forest. Specifications are also being prepared to improve Bernal Heights Blvd. Bids for these projects will be asked shortly.

SANTA BARBARA COUNTY, Cal.—Fredrickson & Watson Construction Co., 354 Hobart St., Oakland, at \$183,811.30 awarded contract by State Highway Commission to grade and pave with Portland cement concrete, 6.0 miles between two miles north of Solomon Summit and 1½ miles south of Santa Maria. Complete total and unit bids published in issue of November 27.

ALAMEDA, Alameda Co., Cal.—City council plans to improve Webster St. from the segregation line south of Central Ave. One plan is to widen the street four feet on each side; two alternates will be considered, providing for overhead or underground wiring system for new street lighting system.

CHURCHILL COUNTY, Nevada.—Nevada Rock and Sand Co., Inc., Reno at \$35,943.17 submitted low bid to the State Highway Commission to construct portion of the state highway system between 9.59-mi. south of Fallon and Fallon, 9.59-miles, involving

grading, structures and surfacing materials. Complete list of unit and total bids will be published shortly.

ATHERTON, San Mateo Co., Cal.—George A. Kneese, town engineer, instructed by town trustees to make surveys for connections with the Bayshore Highway. Two plans are proposed, one is the extension of the Marsh road from its present termination at Middlefield, the cost of which is placed at \$17,000. The other would run via Fifth Ave. on the north side of the town.

MISCELLANEOUS SUPPLIES AND MATERIALS

SACRAMENTO, Cal.—Until Dec. 15, 2 P. M., bids will be received by State Purchasing Agent, to furnish gasoline and lubricating oils to motorcycles, automobiles and motor trucks of the State of California from January 1, 1932, to December 31, 1932. Estimated amount of gasoline, 1,000,000 gallons. Proposal must include the furnishing of credit cards, price on both paraffine and asphaltic base lubricating oil, trade names of oils offered and consistence of oil.

ANTIOCH, Contra Costa Co., Cal.—George A. Peters, 516 10th St., Antioch, at \$15,708 bbl. awarded contract by city council to supply fuel oil for city hall during year 1932. Sam Ebel submitted only other bid at \$15.68 bbl.

OAKLAND, Calif.—K. E. Erickson Co., 274 Spear St., San Francisco, at \$134 per marker, awarded contract by City Council to furnish 20,000 pedestrian lane markers for the remainder of the current fiscal year. Complete bids published in our issue of Nov. 14.

BUSINESS OPPORTUNITIES

Names and addresses of persons or firms concerned in the following opportunities will be furnished on request to Business Opportunity, Department, Daily Pacific Builder, 547 Mission St., San Francisco, or phone GARfield 8744.

21518—Ceramic. San Francisco. Spanish manufacturer of Roman mosaic and construction materials, especially ceramic. Is interested in securing connections for the Pacific Coast. Catalogs on request.

21521—Controlling Apparatus. Le Locle, Switzerland. Firm is interested in organizing the introduction and sale of their controlling apparatus by establishing a net of district agencies throughout the United States.

21522—Wool Grease Products. Halle, Germany. Exporters of wool grease products such as raw wool grease, neutral wool grease and wool wax, are anxious to appoint selling agents.

Lee A. Bell, Hotel Lakehurst, 1569 Jackson St., Oakland, Calif., is seeking sales connections with local manufacturers and wholesalers.

J. A. Traflet, 10506 Ayres Avenue, Los Angeles, Calif., is interested in representing San Francisco building specialty firms in Southern California, Nevada, Arizona, New Mexico and Western Texas.

W. G. Jenholm, 938 East End Ave., Wilkinsburg, Pa., wishes to represent local manufacturers of tools and replacement accessories for automotive trade.

W. L. Mackey, general manager, Bicentennial Products Co., Prospect-Fourth Building, Cleveland, Ohio, is seeking distributor for line of cast

stone and marble plaques in this territory.

Joseph Bame, The Commercial National Bank & Trust Co. of New York, 56 Wall St., New York City, N. Y., wishes sales representation for local manufacturers of high grade products for the home.

C. E. Everhart, general manager, Cleveland City Forge Co., 4501 Lakeside Ave., Cleveland, Ohio, are desirous of securing manufacturers' agent to represent line of drop forged steel products in this territory.

C. T. Drumpelmann, Robertson and Drumpelmann, 14 Locust Place, Millburn, N. J., desires representation in this territory for the electric iron.

Frederick De Zempion, 610 Builders Exchange Bldg., 656 South Los Angeles St., Los Angeles, Calif., wants representative to handle line of portable truck vacuum cleaners in Northern California.

While the value to individuals and the trade as a whole through the formation of a trade body is well known, and the arguments both for and against are well established, to little consideration is given to the value of separate trade groups combining their interests in a general body.

The application of protective measures, establishment of standards, betterment of trade practices and other purposes of trade groups as applied to single groups are effective only to a certain extent. As the individual in a trade is unable alone to better conditions in that trade and forms an association with other individuals for greater effectiveness, so associations made up of individual groups in a same general craft find their ability to promote better business conditions through an association greatly enhanced.

We have in mind successful associations in the sub-contracting trades which have instituted a general association generally known as a Sub-Contractors Association. In one common this organization takes the form of a parent body governed by directors from each of several groups within the body.

In this instance each craft is separately organized and functions as an entirely separate unit on matters pertaining to its own individual craft, but where the interests of the entire sub-contracting industry are best conserved by the action of the whole or a few of the groups, the machinery of the parent body is effectively used.

As individuals in a craft gain in strength and ability to foster and promote their best interests through an association in that trade, the sub-contracting business as a whole gains in a like manner through the united effort of a large number of groups, working through a general sub-contracting association.

Many of the problems of the sub-contracting trades are internal. That which is a problem of the sheet metal contractors may be that of the roofing contractor or those of any number of other crafts. Without the means of directing the thought of several groups to a solution of a like problem, the likelihood is that it will not be solved through the effort of any one individual group but is certainly far more susceptible to solution through the thought and action of several groups.

Too often associations are little more than mutual admiration societies, a reason why the effectiveness of some bodies is virtually nil, but we have found where affiliated bodies obtain in a community constructive work is instituted by the larger group

and that business conditions in the trades in such places are considerably better than where they do not exist or where the trades plod their separate way or with no trade association of any character.

A sub-contractors' association may be likened in a manner to a building materials dealers' association. Here we will find a variety of interests so far as handling different commodities are concerned but all engaged in the business of furnishing supplies and materials. The cement dealer, the lumber dealer, the tile or brick dealer, the pipe and plaster concern, may work effectively through their separate trade group but on larger aspects of trade problems it is usually through a building material dealers' general association that the most effective work is done. We have in mind the general adoption of the policy of 100 per cent dealer distribution obtaining in the building business today which was made effective by the labors of the National Builders' Supply Association and its sectional groups.

The lack of co-operation between various crafts engaged on a building project is due in a large measure to the lack of trade affiliation outside of actual working hours. The failure of the tile or plumbing contractor or the plastering contractor and painter considering more than elements in his own particular contract on the job is not an infrequent cause of loss to his fellow craftsman. Better working conditions, better trade practices as between different crafts of sub-contractors or between sub-contractors and general contractors, standardization of contract riders, bid peddling and shopping and a number of similar problems are susceptible of solution through group trade action while difficult of handling by single groups.

W. C. Champion has been appointed the Pacific Coast manager for the Ohio Power Shovel Company with headquarters at 2244 First Avenue South, Seattle, but will spend his time circulating among agents and representatives throughout his territory, which takes in British Columbia, Washington, Oregon, Idaho, western Montana, California, Nevada, Utah and Arizona. Champion had been connected with the machinery business for a number of years. For the past 16 years his efforts have been confined with the Clyde Iron Works of Duluth, and with the shovel division of the Lima Locomotive Works, Inc., which is the Ohio Power Co. of Lima, Ohio. During this time he has been in charge of direct offices. During the past four years, Champion has been in the Northwest territory between Portland and Seattle which has given him the opportunity of making numerous contacts thruout the entire Pacific Coast.

Wisconsin lumbermen may beat American steel fabricators to the first definite application of the European cartel system in America, says The Business Week. They have just signed a contract with the state whereby they agree to keep their workers evenly employed, promising to maintain production at a fixed percentage of capacity in order to avoid complete shut-downs and consequent collapse of employment in towns affected. Until July 1, 1932, output of each plant will be set at 25% of the annual average output for 1927, 1928, and 1929—three years of large production.

Carnegie rim-toughened wrought-steel wheels are discussed in a recent bulletin of the Carnegie Steel Co., Pittsburgh, Pa.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
1187	Marian	Owner	15800
1188	Beal	Standard	3750
1189	Kahn	Owner	2000
1190	Clearwater	Evans	2000
1191	Horzig	Owner	4000
1192	Bennett	Atkinson	2400
1193	Halsen	Owner	4000
1194	LEASK	Owner	4000
1195	Frank	Castle	4000
1196	Dibert	Irwin	1500
1197	Cordes	Ingler	5000
1198	Hunzeth	Owner	4000
1199	Horn	Owner	3500
1201	Stoneson	Owner	3500
1202	Waterman	Coburn	1000
1203	Calabrese	DeGrazia	2500
1204	Kreuzberger	Owner	4000
1205	Bennett	Electrical	1100
1206	Christiansen	Owner	6000
1207	Rice	Doelger	4000
1208	Franceschi	Owner	3500
1209	Hill	Owner	1000
1210	Nelson	Owner	4000

DWELLINGS

(1187) W FORTY-THIRD AVE S from Cor. Irving St. Four one-story and basement frame dwellings.

Owner—Marian Realty Co., 1067 Market St., San Francisco.
Plans by Owner. \$3950 each

DWELLING

(1188) S CARRILLO 87 W Third Ave. One-story and basement frame dwelling.

Owner—P. R. and M. Beal, 218 Castaneda Ave., San Francisco.
Plans by Contractor.

Contractor—Standard Bldg. Co., 218 Castaneda Ave., S. F. \$3750

ALTERATIONS

(1189) NO. 2400 DIVISADERO ST. Alter interior of flats.
Owner—G. Kahn, Premises.
Architect—Not Given. \$2000

ADDITION

(1190) 166 DUNCAN; addition to apts.
Owner—J. E. Clearwater, 166 Duncan.
Architect—Not Given.

Contractor—Evans & Co., 1450 Cole.
\$2200

DWELLING

(1191) NW COR. 27th AVENUE and Vicente St.; one-story and basement frame dwelling.

Owner—A. J. Herzog, 2300 Ocean Ave.
Plans by D. Jaekle, Call Bldg. \$4000

ALTERATIONS

(1192) SW COR STOCKTON and Sutter Sts.; alter interior of salesrooms.

Owner—L. H. Bennett Co., Kittredge Bldg.

Architect—F. E. Barton, Crocker Bldg.
Contractor—Atkinson Mill & Mfg. Co., Chapman and Derby Sts., Oakland. \$2400

DWELLING

(1193) W SAN ALISO 240 N Upland; one-story and basement frame dwelling.

Owner—A. Halsen, 2427 25th Ave.
Architect—Not Given. \$4000

DWELLING

(1194) E TWENTY-SIXTH AVE 250 S Kirkham St. One-story and basement frame dwelling.

Owner—G. Leask, 197 Parker Ave., San Francisco.

Architect—Not Given. \$4000

DWELLING

(1195) NE PINEHURST AND KENwood Way. One-story and basement frame dwelling.

Owner—R. Frank, 195 West Portal, San Francisco.

Plans by Owner.

Contractor—Castle Bldg. Co., 830 Market St., San Francisco. \$4000

REPAIRS

(1196) NO. 50 NATOMA. Repair fire damage to shop.

Owner—L. Dibert, 32 Munich St., San Francisco.

Architect—Not Given.

Contractor—J. J. Irwin, 1040 Oak St., San Francisco. \$1500

ALTERATIONS

(1197) NE VAN NESS AVE. AND California. Alter salesroom and garage.

Owner—W. F. Cordes, 126 Post St., San Francisco.

Architect—F. H. Slocumbe, 3830 Harrison St., Oakland.

Engineer—R. H. Cooley, 354 Hobart St., Oakland.

Contractor—C. L. Ingler, 150 Alta Rd., Oakland. \$5000

DWELLING

(1198) E 23rd AVE 115 N Noriega; 1-story and basement frame dwelling.

Owner—G. Hunzeth, 1631 23rd Ave.
Architect—Not Given. \$4000

DWELLING

(1199) N FARRAGUT 25 W Moneta Way; 1-story and basement frame dwelling.

Owner—J. Horn, 5044 Mission St.
Architect—Not Given. \$3500

REPAIRS

(1200) 345 31st AVE; general repairs to dwelling.

Owner—F. Schroder, 345 21st Ave.
Architect—Not Given.

Contractor—I. W. Coburn, 2040 Market Street. \$1000

DWELLING

(1201) S VICENTE 293 E 33rd Ave.; one-story and basement frame dwelling.

Owner—Stoneson Bros. & Thorlison, 279 Yerba Buena Ave.

Architect—C. E. Strothoff, 2274 15th Street. \$3500

REPAIRS

(1202) 3125 WASHINGTON ST.; repair fire damage to flats.

Owner—Mrs. Waterman, 2048 Market Street.

Architect—Not Given.
Contractor—I. W. Coburn, 2048 Market Street. \$1000

DWELLING

(1203) E GATES 75 N Tompkins; 1-story and basement frame dwelling.

Owner—D. Calabrese, 467 Gates.

Plans by F. Rick.

Contractor—J. DiGrazia, 1141 Broadway. \$2500

DWELLING

(1204) W 24th AVE. 325 N Santiago; one-story and basement frame dwelling.

Owner—A. L. Kreuzberger, 3178 22nd Street.
Architect—C. Strothoff, 2274 15th St. \$4000

ELECTRIC SIGNS

(1205) 401 SUTTER ST.; three electric signs.

Owner—L. H. Bennett Co., 401 Sutter Street.

Architect—Not Given.
Contractor—Electrical Products Corp., 255 Golden Gate Ave. \$1100

ALTERATIONS

(1206) NE COR. CHESTNUT AND Scott Sts.; alter apts. and stores.

Owner—Christiansen Bros., 637 20th Avenue.

Plans by Owner. \$6000

DWELLING

(1207) E 28th AVE. 50 S Ulloa St.; one-story and basement frame dwelling.

Owner—M. J. Rice.
Architect—Not Given.

Contractor—H. Doelger, 300 Judah St. \$4000

ALTERATIONS

(1208) 810 RICHLAND AVE.; alter dwelling for apartments.

Owner—R. Franceschi, 1781 Beach.
Architect—Not Given. \$3500

ALTERATIONS

(1209) W HYDE 250 S Pacific; general alterations to apartments.

Owner—H. A. Hill, 96 Moneta Way.
Architect—Not Given. \$1000

DWELLING

(1210) E 21st AVE. 363 S Sloat Blvd.; one-story and basement frame dwelling.

Owner—F. Nelson & Sons, 2919 19th Avenue.

Architect—Not Given. \$4000

ARCHITECT'S CERTIFICATE

San Francisco County

Dec. 2, 1931—FRANCIS E. LLOYD JR. has filed his certificate of architecture for San Francisco County.

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - California

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Am't.
270	Lacrouts	Ellingson	11450
271	Lewis	Morris	4500
272	Bennett	Atkinson	2400
273	Taravellier	S. F.	8126
274	Ammaneo	Folliott	10,400
275	War Memorial	Dinwiddle	62800
276	Same	Sartorius	78032
277	P. T. & T.	MacDonald	173999
278	Cecchi	Fraccia	6450
279	Graft	Doelker	6675
280	S. P.	Mohr	863

BUILDING

(270) S 26th St 25 W Capp W 33 S
80 W B 199; two-story brick Class
C building.

Owner—A. and Catherine Lacrouts,
3270 24th St.

Architect—G. A. Berger, 309 Valencia
St. S. F.

Contractor—Ellingson, 85 Lib-
erty Street.

Filed Nov. 25, '31. Dated Nov. 24, '31.
Concrete foundations, walls
and piers in and first story
story joist in place.....\$2137.50

Brick walls completed and
roof on.....2137.50

plumbing in.....2137.50

Completed and accepted.....2137.50

Usual 35 days.....2900.00

TOTAL COST, \$11,450.00

Bond, \$6000. Sureties, Geo. Bremer,

Andrew Thorsen. Forfeit, \$15. Limit,
90 days. Plans and Spec. filed.

DWELLING

(271) N CLAY St 106-3 E Lyon E
25 x N 157-84 WA 578; all work
on 5-room, breakfast room and 2-
car garage dwelling.

Owner—Mr. and Mrs. H. J. Lewis.

Architect—Not Given.

Contractor—Morris and Weiner, 1182
Market St.

Filed Nov. 25, '31. Dated Sept. 19, '31.

Frame up.....\$1125

Brown coated.....1125

Completed.....1125

Usual 35 days.....1125

TOTAL COST, \$4500

Limit, 90 days.

ALTERATIONS

(272) SW SUTTER and Stockton Sts.;
alterations to Kiltredge Bldg.

Owner—The L. H. Bennett Co., Kit-
tredge Bldg.

Architect—F. Eugene Barton, Crocker
Bldg.

Contractor—Atkinson Mill & Mfg. Co.
Inc., Chapman and Derby Streets,
Oakland.

Filed Nov. 27, '31. Dated Nov. 25, '31.

On completion.....75%

Usual 35 days.....25%

TOTAL COST, \$2400

Plans and Spec. filed.

RESIDENCE

(273) NE 10th and SEVENTEENTH
N 35x E 69. All work for one-
story and basement frame resi-
dence.

Owner—J. and M. Taravellier.

Architect—Fabre & Hildebrand, 110
Sutter St., San Francisco.

Contractor—San Francisco Constr. Co.,
Inc.

Filed Nov. 28, '31. Dated Nov. 23, '31.

Frame up.....\$2000

Brown coat plaster on.....2030

Completed and accepted.....2030

Usual 35 days.....2036

TOTAL COST, \$8126

Bond, \$4063. Surety, N. Blaglin.

Limit, 90 days. Forfeit, \$5. Plans
and specifications filed.

APARTMENTS

(274) NW GREEN and CASTLE
(Place or Street). All work for

two-story and basement brick and
frame apartments (2 3-room apts.
and 2 4-room apts.) with separate
garages.

Owner—G. and S. Ammaneo.

Architect—L. Dallorso, 32 Jansen St.,
San Francisco.

Contractor—R. Folliott, 949 Filbert
St., San Francisco.

Filed Nov. 28, '31. Dated Nov. 19, '31.

Brick wall up.....\$1000

Roof on.....2350

Rough coat plaster on.....2350

Completed and accepted.....2350

Usual 35 days.....2350

TOTAL COST, \$10,400

Bond, \$5200. Sureties, R. Folliott, A.
Neston and V. Califano. Limit, 100
days. Forfeit, none. Plans and spec-
ifications filed.

VETERANS' BLDG.

(275) THOSE TWO CITY BLOCKS
bounded by Van Ness Ave., Frank-
lin, McAllister and Grove Sts., in-
cluding Fulton and Ash Sts., bet.
Van Ness Ave. and Franklin St.

and Birch St. closed by City Or-
dinance. Carpentry and mill work
for Veterans' Building (furnish
and install complete).

Owner—The Board of Trustees of the
War Memorial of San Francisco.

Architect—A. Brown Jr. and G. A.
Lansburgh, 251 Kearny St., San
Francisco.

Contractor—Dinwiddle Constr. Co.,
Crocker Bldg., San Francisco.

Filed Nov. 30, '31. Dated Nov. 10, '31.

On or before 10th of each month 75%

Usual 35 days.....25%

TOTAL COST, \$62,800

Bond, \$31,638. Surety, Pacific Indem-
nity Co. Limit, 240 days. Forfeit,
none. Plans and specifications filed.

(276) INSTALL ALL ORNAMEN-

tal metal work for Veterans'
Building and Opera House.

Contractor—Sartorius Co., 2530 18th
St., San Francisco.

Filed Nov. 30, '31. Dated Nov. 24, '31

Payments same as above.....

TOTAL COST, \$78,032

Bond, \$39,016. Surety, Fidelity & De-
posit Co. of Maryland. Limit, 230
days for Opera House and 210 days
for Veterans' Bldg. Forfeit, none.
Plans and specifications filed.

OFFICE BLDG.

(277) SE PINE and STEINER. All
work for building to consist of 2
stories and basement of an ulti-
mate 5-story and basement build-
ing.

Owner—The Pacific Telephone & Tele-
graph Co., 140 New Montgomery
St., San Francisco.

Architect—Not Given.

Contractor—MacDonald & Kahn Co.,
Ltd., Financial Center Bldg., San
Francisco.

Filed Nov. 30, '31. Dated Nov. 18, '31.

On last of each month.....75%

40 days from date.....25%

TOTAL COST, \$173,999

Bond, \$173,999. Surety, Pacific In-
demnity Co. Limit, 70 days after
erection of structural steel frame.
Forfeit, none. Plans and specifi-
cations filed.

BUILDING

(278) N GREENWICH St 140 West
Grant Ave 20-6x90; all work for
two-story and 2-basement frame
building.

Owner—F. and C. Cecchi, 33 Edith Pl.
Architect—L. Mastropasqua, 580
Washington St.

Contractor—J. B. Fraccia & J. Truf-
felli, 2450 Chestnut St.

Filed Dec. 1, '31. Dated Nov. 18, '31.

Roof on.....\$1612.50

First coat of plaster on.....1612.50

Bldg. completed & accepted. 1612.50

Usual 35 days.....1612.50

TOTAL COST, \$6450.00

Bond, \$3225. Sureties, A. Morecchi &
J. Icardi. Limit, 90 days. Plans and
Spec. filed.

BUILDING

(279) E FOURTH AVE 125 S Irving
St S 25 x E 120; all work for 2-
story frame building.

Owner—Wilson C. and Dorothy E.
Graft, 3140 Clay St.

Architect—Not Given.

Contractor—Henry Doelger, 300 Judah
Street.

Filed Dec. 1, '31. Dated Nov. 10, '31.

Roof on.....\$1668.75

Brown coated.....1668.75

Completed.....1668.75

Usual 35 days.....1668.75

TOTAL COST, \$6675.00

Limit, 90 days.

PAINTING

(280) THIRD and Channel Sts.; re-
painting in premises occupied by
Sussman & Wormser and Haas
Bros. in Grocers' Terminal Bldg.

Owner—Southern Pacific Company.
Architect—Not Given.

Contractor—J. A. Mohr & Son, Inc.,
433 11th St.

Filed Dec. 1, '31. Dated Nov. 23, '31.

Close of each month.....75%

Usual 35 days.....25%

TOTAL COST, \$863

Bond, \$863. Sureties, U. S. Guarantee
Co. Limit, 14 days. Plans and Spec.
filed.

COMPLETION NOTICES

San Francisco County

Recorded Accepted

Nov. 24, 1931—SW 35 ft. Lot 8 Blk
2983-A Map West of Fort Blk.

Martin Stelling Jr and Edgar L.
Gould to V Filippis.....Nov. 20, 1931

Nov. 23, 1931—N Heron 105 E Eighth
E 100xN 69. Amalgamated Lau-
ndries to J Frank Barrett and
Harry H Hlip (as Barrett & Hlip)

.....November 19, 1931

Nov 23, 1931—N ATHENS 140 East
Naples, 1250 Athens. Wm E and
Johanna G Grosman to whom it
may concern.....November 23, 1931

Nov 23, 1931—LOTS 4 AND 5 BLK
3271, Map Mt. Davidson Manor.
Castle Bldg Co to Henry Horn.....

.....November 25, 1931

Nov. 28, 1931—W TWENTY-FIRST
Ave 300 N Judah N 50x120. Her-
man Christensen to whom it may
concern.....Nov. 27, 1931

Nov. 28, 1931—N KIRKHAM 107-6
W Thirty-second Ave 25x100. Fred
Reuter to whom it may concern.....

Nov. 27, 1931—E THIRTY-EIGHTH
Ave 100 S Anza S 50x E 120. M
and N Costello to whom it may
concern.....Nov. 27, 1931

Nov. 27, 1931—S BEACH 155 W
Webster W 25xS 137-6 ptn Marina
Gardens. A Damico to whom
it may concern.....Nov. 20, 1931

Nov. 27, 1931—E YORK 45 N 26th
N 25x E 100. George Neuge-
bauer to Charles P. and Janet C.
Navarette.....Nov. 25, 1931

Nov. 27, 1931—W 29th AVE 100 South
Rivers S 33 x W 120. R Eujanoff
to J V Westerlund.....Nov. 21, 1931

Nov. 25, 1931—W 33rd AVE 300 South
Kirkham S 25 x W 120 O L 801 W
13rd Ave 225 N Lawton N 25 x W
120 O L 801. Whitney Inv Co Inc
to whom it may concern.....

November 25, 1931

Nov. 25, 1931—LOT 23 ptn lot 23 blk
3042 Monterey Heights Deed NW
Brentwood Ave and SW line said
lot 23 NE 53-34 NW 105-206 m
to S W 60 SE 97-340 to beg. David
and A Brookes to whom it may
concern.....November 25, 1931

Nov 25, 1931—E VALENCIA 120 N 17th S 65 x E 87-6 N 55 W 87-6. Mary Gilmartin to C O Shea.

Nov 25, 1931—1613 CHURCH ST. Geo H and Mary E Fuerst to M Brueck.

Nov 25, 1931—SEVENTH AVE 150 S Kirkham S 50 x W 120. Julius and Anna Berendsen and Henry and Thelma Doelger to

Nov 25, 1931—November 10, 1931 Nov 25, 1931—14th AVE 50 N Judah N 25 x W 95 W 17th AVE 25 S Judah S 60 x W 95. Frank and Cora Doelger to whom it may concern.

Nov 25, 1931—November 12, 1931 Nov 25, 1931—SE GRAFTON AND Granada Sts 25x100. Eggers Goldstein Realty Co to whom it may concern.

Nov 25, 1931—LOTS 18, 20 and 21 Blk 2945-A Sub No 9 Miraloma Pk lot 17 blk 2945-A Sub No 5 Miraloma Park. Meyer Bros to whom it may concern.

Nov 25, 1931—THAT PTN LOTS 8 and 9 blk 2972 Map Sub No 1 Miraloma Park descd: S Juanita Way dist 7-5 E from inter with W line lot 8 E 31-5 S to a pt on S line lot 9 dist 9-045 E from inter with W line said lot 9 W 47-49 N 100.

Meyer Bros to whom it may concern.

Nov 23, 1931—STRIP of land 5 ft wide on SW line lot 6 blk 3045 Monterey Heights and a strip of land 35 ft wide on NE line lot 7 blk 3045 Monterey Heights map blks 3044 and 3045 ptn blks 3039, 3042 and 3047 Monterey Heights descd: NW El Verano Way dist 40

SW from NE line lot 6 blk 3045 Monterey Heights the alg side of El Verano Way SW 40 th parl with SW line lot 7 blk 3045 and dist 10 NE at right angles NW 119-685 to pt on NW line said lot 7 dist 10-007 NE from SW line lot 7 NE 40-03 th parl with SW line said lot 6 and dist therefrom 5 NE at right angles SE 118-148 to beg. George W and Josephine Stanley to whom it may concern.

Nov 30, 1931—S CHESTNUT 87-6 E Baker E 25 x S 100. B G West to J Prout.

Nov 30, 1931—W PUTNAM 150 N Jarboe Ave. F J Shannon to whom it may concern.

Nov 30, 1931—W 16th AVE 150 N Wawona. A Jackson to whom it may concern.

Nov 30, 1931—S DORLAND 36-9 W Church W 83-9 SW 127-74 to pt perpen dist 124-3 N from N 18th and also perpen dist 141-9 W from W Church SE 82-104 N 32-4 NE 114-04 to beg, MB 94. San Francisco Home Bldg Co to whom it may concern.

Nov 30, 1931—SW ALLISON 150 NW Brunswick NW 25 x SW 120 N 3 Syndicates First Addn to San Francisco. J Dall and M Cuthbert to whom it may concern.

Dec 1, 1931—1703-1705 GRANT AVE. I Figue to C Chiappo.

Dec 1, 1931—S LOMBARD 64 West Buchanan W 46 x S 30. F Moreasco to L Francisco.

Dec 1, 1931—COMG at most. W or lot 14 blk 2936B map Laguna Honda Park Addn N 60 deg 23 min 14 sec E 61-038 N 20 deg 43 min 50 sec E 34-126 N 74 deg 43 min 40 sec W 101-648 SW 40 S 1 deg 14 min W 31 S 37 deg 38 min E 50-29 N 54 deg 56 min E 15 S 35 deg 4 min E 14 N 60 deg 23 min 14 sec E 13-962 to beg. A J Lane Jr to O Swanson.

Dec 1, 1931—W 24th AVE 250 N San Diego 25x120. F Isaacson to whom it may concern.

Dec 1, 1931—NW KIRKHAM and 17th AVE N 25 x W 95. Henry

Doelger to whom it may concern
November 20, 1931

LIENS FILED

San Francisco County

Recorded Amount

Nov. 24, 1931—SE CLAY AND Taylor E 30xS 89 50 VB 189. Fred Towner vs B Schiff; M Schiff; E R Schiff and M K Hall. \$160

Nov 20, 1931—W 11th AVE 100 South Nov 27, 1931—1610 LOMBARD ST. F Williams vs R Schefski and F Fournier \$252.30

Nov 25, 1931—N SACRAMENTO 100 W Polk W 50 x N 127-84 E 25 S 47-84 E 25 S 80. John Cassaretto vs Joseph Hagan and J Griggs. \$136.64

Nov 30, 1931—NW RETIRO WAY 235 S Fillmore. Western Lime and Cement Co vs P R Frugoli and Dean & Decker. \$52.13

Nov. 28, 1931—S GREENWICH 91 W Stockton W 46-6xS 91-9. George Segursion vs Louise Wedel. \$740

Nov 27, 1931—221 24th AVE. F C Williams vs D Schefski and F Fournier \$288.05

Nov 27, 1931—N SACRAMENTO 100 W Polk W 25 x N 80 W A 53. N Sacramento 125 W Polk W 25 x N 127-34 W A 53. Scott Co, Inc vs Reavey & Spivock, Ltd and Joseph Hagan. \$156

Nov 30, 1931—NE 12th dist NW from NW Howard 195-31 NE from said line 12th, 146 m or l to line drawn from pt on NW Howard midway bet the NE line of 12th and SW Lafayette to pt on SE Mission midway bet NE 12th extended and SW Lafayette SE SE alg said line to inter with NW Natoma NE 32-11% th deftig 90 deg 55 min 50 sec to left and running NW 75 th deftig 89° 3' 3" to left and running NW 10-4 m or l to S cor of that certain lot now or formerly owned by John Bennett et al; NV 75 m or l to SE Minna SW 25 to said line herein-

above descd lying midway bet NE 12th and SW Lafayette NW 47 alg said line to SE Mission SW 20-73 m or l to pt inter with E Van Ness Ave S 203-53 to pt of inter with NW 12th SE 209-07 m or l to beg. C D Lieb as Eagle Elec Co vs Ocean Shore Railroad Co and Celcrete Co, Ltd. \$157.06

RELEASE OF LIENS

San Francisco County

Recorded Amount

Dec 1, 1931—2235 or 136 NW MISSI-ON 96 W Annie NW 80 SW 60-11% SE 80 NE 160-94. Independent Elevator Co, Inc to Joseph Rucker & Co and A E Doherty.

BUILDING PERMITS

Alameda County

No. Owner Contractor Amt.

1626 Galvin Owner 3000
1627 Greenwood Kane 4500
1628 Thorne Owner 2000

1629 Bemis Owner 1500

1630 Oakland Littlefield 112000

1631 Marlan Owner 2000

1633 Conlogue Owner 3150

1634 Morgensen Owner 4500

1632 Brunn Fox 2000

1635 Finch McKallor 3700

1636 Howe Swope 4500

1637 Bischoff Owner 4400

1638 Andersen DeVelbiss 1000

1639 Allen Yerrick 5000

1640 Lowdermilk Owner 7500

1641 Marritt Owner 2700

1642 Pfrrang Owner 4900

1641 East Bay Owner 12000

1643 Nielsen Jensen 5600
1644 Waldman Owner 3000
1645 Rosson Larmer 8900
1646 Sater Owner 3100
1647 Earle Owner 1000

RESIDENCE

(1628) NO. 1617 FRANCISCO ST., BERKELEY. One-story 6-room 1-family frame residence.

Owner—Tom Galvin, 1234 Grove St., Berkeley.
Architect—Not Given. \$3000

LIBRARY

(1627) NW COR. 41st and Piedmont Ave, OAKLAND; one-story five-room library.

Owner—F. M. Greenwood.
Architect—Miller and Warnecke, Financial Center Bldg., Oakland.
Contractor—Harry E. Kane, 921 Ramona Ave., Albany. \$4500

SERVICE STATION

(1628) NE COR. E 14th St and 101st Ave, OAKLAND; one-story steel service station.

Owner & Builder—W. J. Thorne, 1224 16th Ave., Oakland.
Architect—Not Given. \$2000

RESTAURANT

(1629) SW COR HOBART and Telegraph Ave, OAKLAND; one-story concrete restaurant.

Owner and Builder—H. E. Bemis, 519 16th St., Oakland.
Architect—Not Given. \$1500

EXPOSITION BLDG.

(1630) SE COR TENTH and Fallon Sts., OAKLAND; one-story concrete exposition building.

Owner—City of Oakland.
Architect—Reed & Corlett, and E. W. Cannon, Bank of America Bldg., Oakland.

Contractor—R. W. Littlefield, 337 17th St., Oakland. \$112,000

DWELLING

(1631) 3878 FRUITVALE AVE., OAKLAND; one-story 5-room dwelling.

Owner and Contractor—Elmer Marlan, 3878 Fruitvale Ave., Oakland.
Architect—Not Given. \$2000

RESIDENCE

(1632) NO. 1347 MCGEE AVE., BERKELEY. One-story 5-room 1-family frame residence.

Owner—W. Brunn.
Architect—Not Given.
Contractor—Fox Bros., 1484 University Ave., Berkeley. \$2000

DWELLING

(1633) NO. 2692 SEVENTY-SIXTH AVE., OAKLAND. One-story 5-room dwelling and one-story garage.

Owner—F. W. Conlogue, 2607 64th Ave Oakland.
Architect—Not Given. \$3150

DWELLING

(1634) NO. 551 FIFTY-EIGHTH ST., OAKLAND. One and one-half-story 6-room dwelling.

Owner—Morgensen Bros., 5664 Broadway, Oakland.
Architect—Not Given. \$4500

STORE

(1635) NO. 2320 CENTRAL AVE., ALAMEDA. One-story brick store building.

Owner—Fred Finch Orphanage, 3670 Coolidge Ave., Oakland.
Architect—Owner.

Contractor—H. T. McKallor, 2231 E. 39th St., Oakland. \$3700

RESIDENCE

(1636) NO. 694 HILLDALE AVE., BERKELEY. Two-story 6-room 1-family frame residence.

Owner—W. Howe, 1514 Verd St., Alameda.

Plans by J. W. Swope, 45 Beverly Road, Oakland. \$4500

DWELLING

(1637) 544 AILEEN ST., OAKLAND; one-story 5-room dwelling.

Owner and Builder—John A. Bischoff, 2717 Russell St., Berkeley.

Architect—Not Given. \$4400

REPAIRS

(1638) 5358 LAWTON AVE., OAK.

LAND; fire repairs.

Owner—Madie Andersen.

Architect—Not Given.

Contractor—C. D. DeVelbiss, 354 Hobart St., Oakland. \$1000

DWELLING

(1639) 1820 CLEMENS ROAD, OAK. LAND; one-story 6-room dwelling.

Owner—L. C. Allen, 2547 E 14th St., Oakland.

Architect—Not Given.

Contractor—A. J. Yerrick, 5263 College Ave., Oakland. \$5000

DWELLING

(1640) 1620 LEROY AVE., BERKELEY; two-story 8-room 1-family stucco dwelling.

Owner—W. C. Lowdermilk.

Plans by Mr. Broderick.

Contractor—W. L. Broderick, 407 Koerber Bldg., Berkeley. \$7500

RESIDENCE

(1640) NO. 1322 STANNAGE AVE., BERKELEY. One-story 5-room 1-family frame residence.

Owner—C. Marritt, 1201 Stannage Ave., Berkeley.

Architect—Not Given. \$2700

RESIDENCE

(1641) NO. 871 KEELER AVE., BERKELEY. Two-story 6-room 1-family frame residence.

Owner—C. J. Pfrang, 6300 Claremont Ave., Oakland.

Architect—Not Given. \$4900

REPAIRS

(1642) NO. 2310 PERALTA ST., OAK. LAND. Fire repairs.

Owner—East Bay Iron & Metal Co., 2310 Peralta St., Oakland.

Architect—Not Given. \$12,000

GARAGE

(1643) SE BAY PLACE AND HARRISON ST., OAKLAND. One-story brick and tile garage.

Owner—J. K. Nielsen, 1512 Everett Ave., Oakland.

Architect—Miller and Warnecke, Financial Center Bldg., Oakland.

Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland. \$5600

DWELLING

(1644) NO. 4001 NEVIL ST., OAK. LAND. One-story 5-room dwelling.

Owner—A. E. Waldman, 286 15th St., Oakland.

Architect—Not Given. \$3000

RESIDENCE

(1645) NO. 18 ALTA AVE., PIEDMONT. Two-story 8-room frame residence and garage.

Owner—John Rosson.

Architect—Leonard Ford, 1435 Harrison St., Oakland.

Contractor—Edward Larmer, 90 Fairview Ave., Piedmont. \$8900

DWELLING

(1646) 2123 DURANT AVENUE, OAK. LAND; one-story 5-room dwelling and 1-story garage.

Owner and Builder—A. E. Sater, 3737 Hillview St., Oakland.

Architect—Not Given. \$3100

ADDITION

(1647) 291 FAIRMOUNT AVE., OAK.

LAND; addition.

Owner and Builder—J. J. Earle, 291 Fairmount Ave., Oakland.

Architect—Not Given. \$1000

BUILDING CONTRACTS

Alameda County

169 ALLEN Yerrick 5860

170 Regents Dinwiddie 418000

171 Hoge Reimers 6210

172 Shaw Courtright

173 Kingsland Hildebrand 4000

174 Regents Lena 1984

GYMNASIUM

(170) CAMPUS of the University of California, Berkeley; general construction of men's gymnasium.

Owner—The Regents of the University of California, Berkeley.

Architect—Geo. W. Kelham, 215 Montgomery St., San Francisco.

Contractor—Dinwiddie Construction Co., Crocker Bldg., San Francisco.

Filed Nov. 30, '31. Dated Nov. 27, '31.

First of each month.....75%

Usual 35 days.....Balance

TOTAL COST, \$418,000

Bond: Labor and Materials, \$209,000;

Performance, \$209,000. Sureties, Wm.

W. Crocker, D. J. Murphy, Forfeit,

\$100 per day. Limit, 300 days. Plans

and Spec. filed.

STORE

(171) LAKESHORE AVE. and Lake Park Ave., Oakland; general construction on one-story brick store building.

Owner—L. B. Hoge, 35 Mulr, Oakland.

Architect—Ray F. Keefer and Arthur L. Herberger, 770 Wesley, Oakland.

Contractor—Irwin H. Reimers, 770 Wesley Ave., Oakland.

Filed Nov. 30, '31. Dated Nov. 28, '31.

When masonry is completed to bottom of roof trusses.....25%

When plastered.....25%

When completed.....25%

Usual 35 days.....25%

TOTAL COST, \$6210.25

Bond, \$6083. Sureties, Hartford Accident & Indem. Co. Forfeit, \$10 per day.

Limit, 60 days. Plans and Spec. filed.

RESIDENCE

(172) NE TRESTLE GLEN ROAD and Sunnyhills Road, Oakland; general construction on 1½-story frame residence.

Owner—Joseph Shaw, Jr., and Mary Louise Shaw.

Architect—Harris Allen, 557 Market St., San Francisco.

Contractor—T. D. Courtright, 509 S Manila Ave., Oakland.

Filed Nov. 30, '31. Dated Nov. 27, '31.

Progress payments as to labor and materials. Contractor's fee:

When frame is up.....25%

First coat of plaster.....25%

When completed.....25%

Usual 35 days.....25%

TOTAL COST not to exceed \$6300

plus contractor's fee of \$400

Plans and Specifications filed.

SERVICE STATION

(173) NW SEVENTH AVE. and E 10th St., Oakland; general construction on super service station.

Owner—Pearl Kingeland, 784 Kingston, Oakland.

Architect—Not Given.

Contractor—Calvin G. Hildebrand, 2164 Hearst St., Oakland.

Filed Dec. 2, '31. Dated Nov. 12, '31.

When contract is signed.....\$1000

When foundation is in place.....1000

When roof is on.....1000

When completed.....1000

TOTAL COST, \$4000

Limit, 45 days. Plans and Spec. filed.

FOUNDATION

(174) ENGINEERING Laboratory on the campus of the University of California, Berkeley; construction of foundation for 4,000,000-lb. testing machine.

Owner—The Regents of the University of California, Berkeley.

Plans by Dept. of Grounds & Bldgs., University of California (W. B. Reynolds, engineer).

Contractor—Nat Lena, 1174 19th St., Oakland.

Filed Dec. 1, '31. Dated Nov. 30, '31.

1st of each month.....75%

Usual 35 days.....Balance

TOTAL COST, \$1984

Bond: Labor and Material, \$1000; Performance, \$1000. Sureties, Fidelity & Deposit Co. of Maryland. Forfeit \$10 per day.

Limit, 30 days. Plans and Spec. filed.

COMPLETION NOTICES

Alameda County

Recorded Accepted

Nov. 30, 1931—LOT 26 BLK 13,

Cragmont Tract, Berkeley, Frank

C Jones to S M Shapiro.....

.....Nov. 30, 1931

Dec. 1, 1931—LOT 26 BLK 22, Mathews

Tract, Berkeley. Leo K and

Maedell Barber to W E Bethel

.....Nov. 25, 1931

Dec. 1, 1931—LOT 5 BLK F, Estu-

dillo Estates, San Leandro. Fred

T Wood Co to whom it may concern.

.....Nov. 30, 1931

Nov 30, 1931—1533 FERNWOOD DR,

Oakland. Albert T and Doris Mc-

Cord to Harry C Knight.....

.....November 19, 1931

Nov 27, 1931—LOT 17 BLK 3, High-

land Manor, Oakland. Leo J Do-

lan to W Johnson.....Nov 20, 1931

Nov 27, 1931—INTER SE Piedmont

Ave with NW 14th St, Oakland.

Hattie Bernstein to J E Johnson.....

.....November 27, 1931

Nov 27, 1931—184-186 SANTA ROSA

Ave, Oakland. Alida Civolani to C

Dudley De Velbiss.....

.....November 27, 1931

Nov 27, 1931—LOT 19 BLK 24 Resub

of ptn of North Cragmont, Berk-

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

ely. Fred Townsend to Self	October 11, 1931
Nov 27, 1931—E ALICE ST from 4th to 5th Sts, Oakland. Drayage S R-vive Corp to Nick Wierk	Nov 18, 1931
Nov 24, 1931—1947 106th AVE, Oakland. James B Grubb to whom it may concern.....	November 22, 1931
Nov. 24, 1931—LOTS 22 & 23 BLK 6, Map No. 6, Regents Park, Albany. Godfrey Petersen to whom it may concern.....	Nov. 21, 1931
Nov. 24, 1931—E HIGHLAND PL 97 ft S Hillgard Ave., Berkeley. Jennie V Cannon to C C Rosenberry	Nov. 16, 1931
Nov. 24, 1931—NO. 502 UPLANDE, Berkeley. Henry C L Tonjes to Beckett & Wight.....	Nov. 30, 1931

LIENS FILED

Alameda County

Recorded Amount

Dec. 1, 1931—BLK BOUNDED BY Edith St, Dullich Road, Jacobus Ave. and Morpeth St., Oakland. Transit Concrete Ltd, \$20 and \$1830.36; Pacific Coast Aggregates Inc, \$496.76 and \$5764.53 vs Roman Catholic Archbishop of San Francisco; James L McLaughlin Co; Chris Berg and Henri Gregoire.....	\$2360
Dec. 1, 1931—BLK BOUNDED BY Edith St, Dullich Road, Jacobus Ave. and Morpeth St., Oakland. Dwan & Co, \$773; J E Back Co, Inc, \$839 vs Roman Catholic Archbishop of S. F. and James L McLaughlin	
Dec. 1, 1931—BLK BOUNDED BY Edith St, Dullich Road, Jacobus Ave. and Morpeth St., Oakland. Henry Gregoire vs Roman Catholic Archbishop of S. F. and Chris Berg	\$2360
Nov 30, 1931—INTER NW PEARL St and SW Calhoun St, Alameda. C W Abbott doing business as C W Abbott Co vs A McGreggor, N F Justice	\$250.83
Nov 30, 1931—LOT 11 BLK 7, Resub of ptn N Cragmont, Berkeley. Chas Hanson vs Gust Jelm.....	\$150.50
Nov 30, 1931—2625 CLAY ST, Alameda. Bear Flooring Co, Inc, \$725.51; F L Courtney, \$153; Robert Straif, \$224.46; W L Saxby, \$53; Swift Lbr Co, Inc, \$419.68 vs A McGreggor, Noble F Justice.....	
Nov 30, 1931—3609 REDDING ST, Oakland. W E Engbrock vs J I and Ida Jones, C D Oliver.....	\$305
Nov. 28, 1931—LOT 16 BLK A. Sub-division of a ptn of Quigley Tract, Oakland. Maxwell Hardware Co, \$111.50; Powell Bros, Inc, \$516.65 vs Ida Irene and John J Jones.....	
Nov. 28, 1931—NO. 2627 CLAY ST, Alameda. Powell Bros, Inc, \$475.93; L Scaramelli, \$168.50 vs A McGreggor and N F Justice.....	
Nov. 28, 1931—NO. 3609 REDDING ST., Oakland. Smith Lumber Co. of Oakland vs J I Jones and Ida Irene Jones	\$343.95
Nov. 28, 1931—NO. 3609 REDDING ST., Oakland. A J Bowman (as Bowman Building Supply Co) vs John Jones; Ida Jones and C Dewey Oliver.....	\$96.43
Nov. 28, 1931—NO. 2528L INDEN ST, Oakland. Melrose Building Materials Co vs E and Mrs. E Hill	\$166.61
Nov. 28, 1931—NO. 28 N O B T H Hampton Ave., Berkeley. Wiley T Vaughn vs Margaret M Weaver	\$396.50
Nov. 28, 1931—NO. 1729 104TH AVE., Oakland. Melrose Building Materials Co vs E Hill and Mrs. E Hill	\$90.90
Nov. 28, 1931—NO. 2625 CLAY ST., Alameda. Powell Bros, Inc, \$317.58	

Loop Lumber & Mill Co, \$481.81; L Scaramelli, \$220.50; M C Henry, \$430.30 vs A McGreggor and N F Justice.....	
Nov. 18, 1931—PTN LOTS 3 AND 7 Blk G, Lewelling Division, Alameda. Powell Bros, Inc vs L G and Hannah Annett and N F Justice	\$375.52
Nov 25, 1931—BLOCK bounded by Edith St, Dullich Road, Jacobs Ave and Morpeth St., Piedmont. The Patent Scaffolding Co vs Roman Catholic Archbishop of San Francisco, Chris Berg, James L McLaughlin, Inc	\$480.25
Nov 25, 1931—3609 REDDING Street, Oakland. J R Pierce Plumbing Co vs J I and Ida Jones.....	\$200
Nov. 24, 1931—NO. 3609 REDDING St., Oakland. Boorman Lumber Co vs Ida Irene and J I Jones	\$755.25

BUILDING PERMITS

SAN JOSE

RESIDENCE, frame, 6-room, \$6500; Morse St. near Naglee, San Jose; owner, Clyde Alexander, 329 S-17th St., San Jose.	
ALTER and repair type III business building, \$5000; Notre Dame and Carlisle Sts., San Jose; owner, Rosticrucian Press, 161 W. Julian St., San Jose; contractor, Geo. Kocheil, 1030 Asbury Street, San Jose.	
RESIDENCE, frame, 4-room, \$2800; Mission St. near 15th St., San Jose; owner, Joe DiSalvo, 571 E. Taylor St., San Jose; contractor, Sol Guardino, 690 Mission St., San Jose.	
RESIDENCE, frame, 5-room, \$3000; Sixth St. near Taylor St., San Jose; owner, Kiso Yasunaga, 691 N-Sixth St., San Jose; contractor, Warn Bros., 419 E. Merle St., San Leandro.	
RESIDENCE, frame, 6-room, \$4800; Naglee St. near Morse, San Jose; owner, C. Bose, 330 W-Santa Clara St., San Jose; architect, Herman Krause, 237 N-Ninth St., San Jose; contractor, M. Scaglione, 1231 Sherman St., San Jose.	
ALTER type III business building, \$7500; No. 25 S-Market St., San Jose; owner, Pacific Greyhound Stages, Premises; architect, J. Edmund Davies, 1814 Hearst St., San Francisco; contractor, Davies Bros., 1814 Hearst St., S. F.	
PEDESTRIAN subway, San Jose; Park at Randall St., San Jose; owner, City of San Jose; architect, City Engineer's Office; contractor, R. O. Summers, 17 N-First St., San Jose.	
BUSINESS building, type IV construction, \$1000; NE Julian and San Pedro Sts., San Jose; owner, C. W. Hertzog, Premises.	
ALTER type III business building, \$1300; No. 148 East Santa Clara St., San Jose; owner, Mrs. M. Kennedy, % E. A. Wilcox, 1st National Bank Bldg., San Jose; contractor, Carl Maurer; 241 Locust St., San Jose.	
RESIDENCE, frame, 5-room, \$3750; Sunol near The Alameda, San Jose; owner, G. W. Sayles, 69 Sunol St., San Jose; contractor, C. A. Higgins, 342 Spencer St., San Jose.	

BUILDING PERMITS

BURLINGAME

RESIDENCE, \$2500; LOTS 14 and 15 Blk 43, L & H, Peninsula Ave., Burlingame; owner, C. Shepherd, 108 Peninsula Ave., Burlingame;	
--	--

contractor, M. Sorensen, 118 Bancroft Road, Burlingame.	
GARAGE and alterations, \$2650; No. 322 Walnut Ave., Burlingame; owner, Neill C. Wilson, 322 Walnut Ave., Burlingame; contractor, C. H. Bessett Bldg. Co., 826 Walnut St., Burlingame.	
RESIDENCE, \$4000; Lot 10, Willborough Place, Burlingame; owner and contractor, S. W. Williams Co. Ltd., 315 Primrose Road, Burlingame.	
RESIDENCE, \$4000; Lot 9, Willborough Place, Burlingame; owner and contractor, S. W. Williams Co., Ltd., 315 Primrose Rd., Burlingame.	

BUILDING PERMITS

REDWOOD CITY

DWELLING, frame, 5-rooms, bath and garage, \$3000; No. 140 Roosevelt; Redwood City; owner and contractor, Geo. Moncreiff.	
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BUILDING PERMITS

PALO ALTO

RESIDENCE & garage, stucco, \$4000; No. 208 California Ave., Palo Alto; owner, W. E. Callahan, 490 California St., Palo Alto; contractor, Smith & Burke Co., 130 Bryant St., Palo Alto.	
RESIDENCE and garage, stucco, \$3400 No. 2020 Tasso St., Palo Alto; owner, Clifford B. Eames, 145 Idora St., Palo Alto; contractor, Smith & Burke, 130 Bryant St., Palo Alto.	

BUILDING CONTRACTS

SANTA CLARA COUNTY

BUILDING E S-FIFTH bet. William and San Salvador Sts., San Jose. All work except heating and painting for two-story frame and stucco building. Owner—Arch H. and Edith M. Vining, 476 S-Fifth St., San Jose. Architect—Not Given. Contractor—J. G. Luebbes, 843 Delmas Ave., San Jose. Filed Nov. 30, '31. Dated — Builtup roofing completed.....\$1611.25 Plastering completed.....1611.25 Building completed.....1611.25 60 days after.....1611.25 If no liens are filed at the expiration of 35 days final distribution will be made. TOTAL COST, \$6445.00 Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.	
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COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
Nov. 20, 1931—LOTS 18 AND 19 BLK 15, Dumbarton Tract. Harry E Moore to E P Hoxsie et al.....	
Nov. 21, 1931—November 19, 1931	
Nov. 21, 1931—LOT 45, Senic Heights San Mateo. Rudolf C Marcus to whom it may concern.....	Nov. 21, 1931
Nov. 21, 1931—LOT 285, San Mateo Park. Eugene Chaput et al to whom it may concern.....	Nov. 19, 1931
Nov. 23, 1931—NE THIRD AVE, bet. El Camino Real and B St., San Mateo. Levy Bros to Lengfeld & Olund	Nov. 23, 1931
Nov. 23, 1931—LOT 27 and Part Lot 26 Blk 3, Hamilton Park, San Mateo. M. A. Whitelock to whom it may concern.....	Nov. 23, 1931
Nov. 23, 1931—LOT 25 and Part Lot 26 Blk 3, Huntington Park, San	

Mateo, M A Whitelock to M A Whitelock.....	Nov. 23, 1931
Nov. 25, 1931—LOTS 2 AND 3 BLK 15, Central Park, San Mateo, Fernando Tani to whom it may concern.....	Nov. 20, 1931
Nov. 25, 1931—PART LOT 19 BLK 4, Blossom Heath Manor, Castle Bldg Co to Henry Horn.....	November 20, 1931
Nov. 25, 1931—LOT 1 BLK 703, Highlands of Emerald Lake, Don Kauffman et al to Arthur C Morgan.....	Nov. 23, 1931
Nov. 25, 1931—LOT 16 BLK 1, Buryllhome, W T Mitchell to G W Williams Co, Ltd.....	Nov. 21, 1931
Nov. 25, 1931—LOT 6 BLK 4, North Palo Alto, Carl K Page et al to whom it may concern.....	Nov. 25, 1931
Nov. 27, 1931—LOT 3 BLK 14, High-school Acres, San Mateo, William A Speers to Frank J Storey.....	November 27, 1931
Nov. 27, 1931—PART LOT 11 BLK 1, Town of Burlingame, John Agua eta I to Gustave Magnuson (2 completions).....	Nov. 25, 1931
Nov. 27, 1931—LOT 3 BLK 23, Crocker Estate Tract, San Mateo, J E O'Brien to whom it may concern.....	Nov. 19, 1931

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
Nov. 20, 1931—LOTS 29 AND 30, Central Park, San Mateo, John Dugish vs Harold G Jervis et al.....	\$75.16
Nov. 20, 1931—LOT 4 BLK 5, Baywood, T O Riley vs H A Norton.....	\$310
Nov. 21, 1931—LOT 6 BLK 6, Fay's Redwood Garden, James Wallace vs William Griffin.....	\$45
Nov. 23, 1931—LOT 2 BLK 27, Lyon & Hoag Subd., Burlingame, Walter H Medley vs Hallie E Kastering.....	\$95.42
Nov. 25, 1931—LOT 4 BLK 5, Baywood, Acme Building & Supply Co, \$239.35; Hepolito Co, \$43.45 vs H A Norton.....	
Nov. 27, 1931—LOT 4 BLK 5, Baywood, Stege Planing Mill vs H A Norton.....	\$183.50

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded	Amount
Nov. 20, 1931 — LOCATION NOT Given, G Bragato to John Moore et al.....	

CESSATION OF LABOR

SAN MATEO COUNTY

Nov. 27, 1931—WOODLAND PLACE (0.243 acres), J B Wilbert et al work ceased.....	October 26, 1931
--	------------------

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded	Accepted
Nov. 23, 1931—SE 12 1/4 varas rectangular in shape of the NW 1/4 rectangular in shape of Lot 6 Blk 3 R 9 S, San Jose, Anita Hilton to Homer W Sampson.....	Nov. 21, 1931
Nov. 23, 1931—PTN LOT 1, P. G. Keith's Subd in NW 1/4 of SW 1/4, Sec. 26 Twp 7 S R 1, San Jose, L E Rudy to whom it may concern.....	Nov. 21, 1931
Nov. 27, 1931—W WASHINGTON S Poplar St., Santa Clara, Santa Clara School District to Paul N	

Anderson, Nov. 25; J E Helnitz (as University Electric Co.).....	Nov. 25, 1931
Nov. 28, 1931—LOT 10, Amended Map of C. B. Neel Subd to be known as the Neel Subd, being ptn Blk 129, Palo Alto, Carlotta Vance Packer to W F Klay.....	Nov. 24, 1931
Nov. 30, 1931—LOT 16 BLK 3 N R 5 W, Map of Miller & Gull Western Addition, Gilroy, Mills G Hall to whom it may concern.....	Nov. 28, '31
Nov. 30, 1931 — W SAN CARLOS Ave, bet. Cleveland and Topeka being Lot 15 Blk 12, Interurban Park Subd., San Jose, The Roman Catholic Archbishop of San Francisco (a Corp, Sole) Frank Nevis.....	Nov. 23, 1931
Nov. 30, 1931—LOT 4, Settle Subd, City of Willow Glen, Ralph R and Mark M Matthiessen to Robert Laroocca.....	Nov. 30, 1931
Nov. 30, 1931—LOT 10 Map Byerley Tract being part of the Narvaez Rancho, Zaldia C Judkins, sometimes known as Zilda C Judkins to whom it may concern.....	Nov. 23, 1931
Nov. 25, 1931—LOT 35 BLK 21, Montgomery & Rea Subd of Blks 21 and 22, Cook and Branham Addition, San Jose, Harold G and Iva M Wick to whom it may concern.....	Nov. 24, 1931
Nov. 25, 1931—S NEVADA AVE & E Washington Ave on S Nevada Ave NE 150 SE parl Washington Ave 212.64xW 206.22 to pt beg, San Jose, Henry E Tobener to whom it may concern.....	November 24, 1931

LIENS FILED

SANTA CLARA COUNTY

Recorded	Amount
Nov. 27, 1931 — LOT 10 BLK L, Southgate, Palo Alto, D & L Lumber Co, Inc vs Roland Jervis.....	\$773.86

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded	Amount
Nov. 28, 1931—MOUNTAIN VIEW & Alviso Rd (5 acres), Builders Service Co to Wm and Louise Stagi.....	\$503.30

BUILDING CONTRACTS

MARIN COUNTY

GARAGE	
ROSS, All work for one and one-half-story frame garage.	
Owner—John F. Forbes, Ross.	
Architect—Eldridge T. Spencer, 210 Post St., San Francisco.	
Contractor—Robert Watson, San Anselmo.	
Filed Nov. 23, '30. Dated Nov. 9, '31.	
When plastered.....	—
Work completed.....	—
Usual 35 days.....	—
TOTAL COST, \$2131	
Bond, none. Limit, 35 days. Forfeit, none. Plans and specifications filed.	
GYMNASIUM	
SAN RAFAEL, One-story and basement frame gymnasium.	
Owner—A. L. Stewart, San Rafael.	
Architect—S. Helman, 605 Market St., San Francisco.	
Contractor—J. Dawson, 1507 Lincoln St., Berkeley.	
Filed Nov. 25, '31. Dated Nov. 2, '31.	
When completed.....	25%
When 75% completed.....	25%

Completed by architect.....	25%
Usual 35 days.....	25%
TOTAL COST, \$15,050	
Bond, \$7525. Surety, American Bonding Co. of Baltimore. Limit, 60 days. Forfeit, none. Plans and specifications filed.	

COMPLETION NOTICES

MARIN COUNTY

Recorded	Accepted
Nov. 27, 1931—SAN ANSELMO, James Lavaroni to Edward G Jackson.....	Nov. 24, 1931
Nov. 27, 1931—LARKSPUR, Siemer & Kendall to whom it may concern.....	Nov. 25, 1931

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded	Amount
Nov. 25, 1931—LOT 16 BLK 2, Bay Point Subdivision, Harry Parsons to whom it may concern.....	Nov. 20, 1931
Nov. 25, 1931—LOT 14 BLK 2, Bay Point Subd, Harry Barton to whom it may concern.....	Nov. 20, 1931
Nov. 28, 1931—STATE HIGHWAY, bet. South Toll Gate and Summit, Department of Public Works, Division of Highways to H R Kage.....	Nov. 24, 1931

LIENS FILED

CONTRA COSTA COUNTY

Recorded	Amount
Nov. 24, 1931—LOTS 17, 18, 19 AND 20, Blk 11, No. 1, Lafayette Homesites, A Hamer Brown vs Helen T Townsend and Albert W Brown.....	\$2500
Nov. 27, 1931—LOT 12 BLK 5, Shell Heights Addition to Martinez, The Diamond Match Co vs N E Lewis and G Volpi.....	\$52.95
Nov. 27, 1931—LOT 93, La Salle Heights, Martinez, Martinez Sheet Metal Works vs Paul N Richardson.....	\$285
Nov. 27, 1931—N 1/2 OF SECTIONS 20 and 21, 2 N 2 E, Containing 40 acres, John N Kristich vs Wm S Viera.....	\$892.41

COMPLETION NOTICES

SONOMA COUNTY

Recorded	
Nov. 24, 1931 — LOT 23, Rosevale Farm Subd, Harold Everhart to Koch & Jensen.....	Nov. 20, 1931

RELEASE OF LIENS

SONOMA COUNTY

Recorded	Amount
Nov. 28, 1931—NEAR HEALDSBURG (Ranch Property), Healdsburg Lumber Co to Judd Mfg Co; Frank P Grace Co, et al.....	\$150.11

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded	Amount
Dec. 1, 1931—LOT 11 BLK 2, Lomita Park, F P Dodson to whom it may concern.....	Dec. 1, 1931
Nov. 28, 1931—SE 1/4 OF NW 1/4 Section 9 Township 3 North Range 7 East, Stockton, Alpine School District to Swanson & Chance.....	Nov. 25, 1931

BUILDING PERMITS

RICHMOND

COTTAGE, frame and plastered, 5-room and 2-car detached garage, \$4000 W Humboldt St. lot. Mount and Sierra Sts., Richmond; owner, N P Andersen, 3000 Barrett Ave., Richmond, plans by owner.

BUILDING PERMITS

SACRAMENTO

STATION, SERVICE, \$2500; No. 806-N 11 Eighth St., Sacramento; owner, A. Sessano, 927 33rd St., Sacramento; contractor, H. C. Prince, 3300 33rd St., Sacramento.

RESIDENCE, 5-room and garage, \$5000; No. 2604 G St., Sacramento; owner, F. Mead, Rt. 1, Box 347, Sacramento.

ADDITION, \$3500; No. 1117-1119 15th St., Sacramento; owner, J. J. Jacobs, Frem.; contractor, Campbell Constr. Co., 800 R St., Sacramento.

DWELLING, 6-room and garage, \$5000; No. 1725 Fourth Ave., Sacramento; owner, E. Peden 1811 F St., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Nov. 28, 1931—LOT 16, Goethe Addition F, Sacramento. Council Representing First English Lutheran Church to whom it may concern. Nov. 25, 1931
Nov. 28, 1931—LOTS 12, 13, 14, 15 & 16 Blk 19, Galt. Louis Alderman to whom it may concern. Nov. 1, 1931
Nov. 28, 1931—LOT 85, South Curtis Oaks Subd No. 2, Sacramento. Edward A. and Leah R. Schwing to whom it may concern. Nov. 11, 1931
Nov. 23, 1931—E 20 FT. LOT 2, L M 18th and 12th Sts., Sacramento. Walter and Maxine McClain to whom it may concern. Nov. 14, 1931

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
Nov. 21, 1931—LOT 197 — & K TCT No. 33, Sacramento. Sacramento Lumber Co. Ltd vs Alden and Norman H Black \$223.35
Nov. 28, 1931—LOT 1, O, P, 11th and 12th Sts., Sacramento. M P Canon vs Chas Heyer Jr, Herlinda Heyer, Daniel J and Edith M Ruff \$79.35
Nov. 28, 1931—LOT 197 W. & K. Tct 33, Sacramento. Dolan Bldg Material Co vs Alden and Norman H Black \$123

BUILDING PERMITS

FRESNO

DWELLING, \$2000; No. 2811 Tyler Ave., Fresno; owner and contractor, Wm. Holl.

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Nov. 24, 1931—LOT 25, Terrace Gardens, Fresno. Taylor-Wheeler to whom it may concern. November 19, 1931
Nov. 24, 1931—LOT 34, E 2 ft. Lot 33 Terrace Gardens, Fresno. Taylor-

Wheeler to whom it may concern. Nov. 19, 1931
Nov. 23, 1931—LOTS 23 AND 24 BLK 76, Sierra Vista Addition No. 4, Fresno. J. A. Watten to whom it may concern. Nov. 19, 1931
Nov. 28, 1931—LOT 67, Cal. Poultry Farms, Fresno. W T Harris to whom it may concern. Nov. 28, 1931

LIENS FILED

FRESNO COUNTY

Recorded Amount
Nov. 24, 1931—LOTS 17 TO 23 BLK St. Fresno. M Kellner & Son Lumber Co vs O R Osteroda and Fresno Land Co. \$137
Nov. 27, 1931—LOTS 29 AND 30 Blk 49, Mendota. Lumber & Supply Co vs T R Smeltzer \$98

ENGINEERING SOCIETIES EMPLOYMENT SERVICE

Further information regarding positions listed in this column is obtainable from Newton D. Cook, Room 715, 57 Post St., San Francisco. (Phone Sutter 1864).

W-3221-C-S (K-387) MANUFACTURER of substation connectors and switching equipment desires additional agents middle and western states. Established trade connections on these and supplementary lines essential. Apply by letter. Headquarters, New York.

R-3708-S SALES DIRECTOR, technical man preferred, experienced in merchandising methods and capable of adapting himself to an expanding market, which will cover the entire U. S. A. Must be willing to make investment which will insure permanent connection. Loc., San Francisco.

R-3709-S ELECTRICAL ENGINEER, familiar with radio and sound engineering, production costs and systems, for an executive position with a company producing radio pro-

grams for electrical transcription or direct broadcasting. Nominal salary to start. Must be able to make stock investment in company. Loc., San Francisco.

R-3710-S ASSISTANT RECORDING DIRECTOR, familiar with taking picture making, for electrical transcriptions. Nominal salary. Investment required. Location, San Francisco.

R-3711-S SOUND ENGINEER, familiar with radio broadcast sound effects and able to develop them for electrical transcriptions. Small salary to start. Investment required. Location, San Francisco.

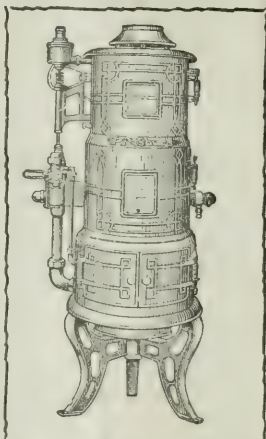
W-3292 MATERIAL HANDLING ENGINEER for inner plant transport. Must be a specialist who would know how to make use of existing facilities as well as recommend conveying machinery. Apply only by letter. Location, Russia.

W-2462-S (K-364) CHEMICAL ENGINEER, under 40, having had thorough training in chemical engineering in general and with a record of successful practical experience in the papermaking industry. Apply only by letter. Location, New England.

ORANGE COUNTY LUMBERMEN ELECT

Ernest Ganahl of the Ganahl-Grimm Lumber Co., Anaheim, is the new president of the Orange County Lumbermen's Club. L. M. Pearson of the E. Wood Lumber Co., Santa Ana, was re-elected treasurer.

Newly elected directors are: Richard Nelson, Buena Park Lumber Co., Buena Park; Joe Jahraus, Laguna Beach Lumber Co., Inc., Laguna Beach; Charles Chapman, C. H. Chapman Lumber Co., Santa Ana; Guy Tyler, Barr Lumber Co., Santa Ana; Grey Skidmore, Skidmore-Bowers Lumber Co., Downey; Ernest Ganahl, Ganahl-Grimm Lumber Co., Anaheim, and John Strickland, Patten-Blinn Lumber Co., Fullerton.



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Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

APARTMENT OWNERS SEEK HOOVER AID

Efforts of the large real estate operators to persuade President Hoover to widen his plan for the creation of central banks to discount real estate mortgages and make it include apartment houses as well as private dwellings have not proved successful, according to word from New York City.

Frederick Brown has conferred with the President on the possibility of amending the plan. On the invitation of President Hoover he went to Washington and discussed the question.

It is now expected that the message of the President to congress will embody a plan whose scope will correspond to the outline announced a few days ago, and no more.

In the meantime real estate operators in New York City, according to a recent announcement, are working separately on plans for the formation of a \$50,000,000 corporation which would create new second mortgages. The Hoover banks would discount mortgages already in existence, but do not contemplate the direct issuance of new credits to finance building.

The plan for the formation of an issuing corporation, it is held in real estate circles, should stimulate new construction. Should the corporation actually be formed and such hopes of increasing building realized, it is expected that results would be most pronounced in private home construction in view of the great amount of floor space in office and apartment buildings created up to 1930.

FOURTEEN ENGINEERS GRANTED LICENSES

State Board of Registration for Civil Engineers, meeting in Los Angeles, granted licenses to fourteen engineers to use the title "structural engineer" as provided in Section 1-b of the Act Regulating the Practice of Civil Engineering.

Permits were issued to the following structural engineers, all of Los Angeles: Stephenson B. Barnes, Rufus McC. Beanfield, Oliver G. Bowen, Ralph A. DeLine, Clarence J. Derrick, C. Dael, Murray Erick, Preston M. Jones, David H. Merrill, D. L. Narver, Liwellyn A. Parker, Donald F. Shugart, W. E. Wilson, H. C. Whittlesey.

Section 1-b of the state law requiring the licensing of engineers reads as follows: "No person shall use the title 'structural engineer' unless he is a registered civil engineer in this state and furthermore, unless he has been found qualified as such structural engineer according to the rules and regulations established thereby by the board of registration for civil engineers. Anyone who violates the provisions of this section is guilty of a misdemeanor."

GOVERNMENT WAGE CONSTRUCTION QUIZ PLAN OF SENATOR

Senator Wheeler (Dem.), Montana, announces he will sponsor congressional investigation of evasions of the local wage scale law on governmental projects.

Wheeler charged that some general contractors on government work are forcing sub-contractors to defeat the law by taking back from workmen some of their wages. He plans a resolution calling for investigation of "this unholy practice," which he said is being carried on in numerous cities.

FEDERAL BUILDING LAND DEAL COMPLETE

Through a decision made by Superior Judge Deasy last Tuesday the legal obstacle that prevented the city from deeding land at the Civic Center to the United States Government as a site for a proposed \$4,000,000 Federal building has been removed. The court acted in condemnation proceedings against James Irvine, owner of land sought by the city for the opening of Leavenworth Street through to Market and Fulton Streets. Irvine was allowed \$331,000 in payment for the land and in addition he will deed a small plot necessary for the building site. Deeds to the property will be delivered when an appropriation by the Supervisors of \$161,000 to cover the first installment of purchase becomes available.

MILLWORK INSTITUTE ELECTS NEW OFFICERS

Arthur W. Bernhauer of the Fresno Planing Mill, Fresno, was re-elected president of the Millwork Institute of California at a recent meeting of that body in Oakland. Other officers elected are:

Vice-president (Northern district), E. J. Nutting, Herring & Nutting, San Francisco (re-elected); Vice-president (Southern district), Al Koehl, J. W. Koehl & Son, Los Angeles; Treasurer, A. J. Todhunter, Hammond Lumber Co., Los Angeles; Secretary, Lester G. Sterrett, Fresno (re-elected).

Directors, Elmore King, Bakersfield; R. R. Smith, Fortuna; Frank Prel, Los Angeles; A. J. Todhunter, Los Angeles; D. M. Edwards, Oakland; C. W. Lannon, Oakland; W. L. Leishman, Pasadena; E. W. McClintoch, Pittsburg; J. W. Shrimp, Riverside; Joe Sheppard, Sacramento; J. Sullivan, San Diego; H. W. Gaetjen, San Francisco; E. J. Mutlurg, San Francisco; H. W. Weyler, Santa Barbara; T. J. Bridgeford, Sebastopol; Jerry Pierce, Oakland; Al Koehl, Los Angeles; J. G. Kennedy, Santa Clara; A. W. Bernhauer, Fresno.

COUNTY MUST ASK FOR BRIDGE BIDS

The county board of supervisors or individual supervisors must advertise for bids before starting construction of any county bridge whose total cost will exceed \$500, Superior Judge Benjamin C. Jones of Mendocino County ruled in a decision for John Freitas in the suit filed against Supervisor E. M. Ford to stop construction of the bridge near the railroad station in Redwood Valley on the grounds that bids had not been called for as required by law.

Admitting that the bridge would cost \$900, the defense contended that by use of materials owned by the county and acquired through the purchasing agent the labor cost of the bridge would not exceed \$500 and consequently need not be advertised. Materials not exceeding \$2000 in value and acquired through the purchasing agent could be legally used and a bridge constructed without calling for bids providing labor costs would not exceed \$500, according to the defense construction of the political code section covering the question.

In his ruling, Judge Jones held that the purchasing agent has only power to buy personal property for the county and county officers and that, regardless of how they are purchased, materials must be included in the total cost of bridges.

Freitas filed his suit to stop construction of the bridge some time ago through Attorney Charles Kasch. The Board of Supervisors then declared the bridge an emergency matter to allow construction to continue but Freitas obtained a restraining order from the Appellate Court, halting work while the case was being tried before Judge Jones.

GERMANY MEETS DEMAND FOR HOMES

That the period of extensive dwelling construction in Germany which has been carried largely with government assistance is drawing to a close partly as a result of the financial and stringency and partly because the urgent need for additional living accommodations no longer exists is evidenced by current German building statistics, according to Consul Lester L. Schnare at Hamburg.

The figures show that the percentage of small dwellings (from one to three rooms) completed in Germany during the first half of 1931 increased to 53.6 per cent from 49.4 per cent in 1930, while the percentage of medium and large dwellings was reduced. The percentage of one-family houses fell from 27.3 per cent in 1930 to 22.4 per cent in 1931. German construction experts interpret these figures to indicate that the problem of housing shortage is being more than adequately met.

TRADE ASSOCIATIONS HAVE POWER TO CORRECT EVILS IN INDUSTRY

(By Chas. F. Abbott, Executive Director, American Institute of Steel Construction)

(Mr. Abbott was invited by Senator LaFollette to appear before The Committee on Manufacturers in Washington, D. C., on December 1. The remarks of Mr. Abbott are published herewith.)

"The steel construction industry is suffering not alone from the effects of the general business depression, but also from the relentless competition which has been growing more and more intense each year. Even when the quantity of business offered the fabricators was far above normal the unregulated competition, engendering its natural suspicions and hates, rendered it next to impossible to earn a profit on investments. What has happened in the steel construction industry is not dissimilar from what we find throughout all branches of the steel industry and its duplicate is repeated in all industries and all businesses of the country.

"American business men are generally opposed to trusts and monopolies. They stagnate trade and stifle initiative. We are opposed to price-fixing or the limiting of markets because we must recognize the merit of allowing rewards to initiative and invention. The Sherman law truly represented the best thought of our people in endeavoring to legislate monopolies out of existence. And the Clayton act won public support because it attempted to make illegal some of the grosser methods of unfair competition. But experience during the past few years has demonstrated to us that we cannot preserve real competition in our business organizations unless we recognize more fully the merits of industrial cooperation.

"We cannot insure to a business man the freedom of choice unless we protect him from the viciousness of modern competitive methods. Furthermore, unless you can protect the thousands of small independent businesses from this type of competition you will have another wave of mergers, consolidations and near-monopolies.

"The steel construction industry has recognized the tenor of the times and there is a sufficiency of independence of thought in this industry to nurture a plan of 'live and let live,' a plan under which we hope to be able to ration the business among all the concerns in the field.

"At our Ninth Annual Convention, held the last week in October at White Sulphur Springs, West Virginia, the members of the Institute voted to refer to the Board of directors a plan which we believe will tend to ration the available business without being in violation of the intent of any Federal or State law. It was proposed to pay normal dues to the Institute on the tonnage output of member plants where that output does not exceed a reasonable ratio of the whole business done by the industry, this reasonable ratio being determined by the average output of each individual member. If a member takes more than his ratio, extra dues will be assessed on the excess in the belief that where a member profits from the research and promotional work of the Institute he should be required to pay for that benefit in a proportion greater than the member who has not so profited.

"The success of this plan depends upon the assembling of accurate statistics on plant output, current let-

tings and monthly shipments on orders. The price at which contracts are taken or services sold will not enter into the calculations at all. Furthermore, inasmuch as the plan presupposes that the available business will be divided so as to give each plant its proportionate share, the competition thereby offered on new contracts will be more widely distributed and the public thereby benefitted. We must preserve the independent units in business if we hope to have sufficient bidding competition on new buildings and bridges in the future, otherwise the aggressive and relentless competition will drive many out of business and leave future builders at the mercy of one or two of the stronger units alone.

"Steel constructors must preserve a capacity sufficient to care for the maximum demand which is not infrequently fixed by but a single contract. For instance, the work on the Empire State Building overtaxed the capacity of the fabricating plant to which the contract was awarded. That was but a temporary condition, yet the fabricator had to carry this surplus capacity in order to bid successfully on all contracts arising, and to protect its regular customers from failure of delivery. It is a condition general to the industry and accounts for the fact that in normal times only about 70 per cent of the shop capacity is ever occupied. While a rationing of available business is essential in times of depression such as those through which we are now passing, it is also highly desirable during normal periods. Economically the idea is sound and should result not only in stabilizing the industry and in removing some of the wastes in the present competition, but should preserve the industry in that condition which will insure the best possible service to the public.

"We are all highly concerned over the problems of labor, the steel constructors especially so. Our shop labor is composed of skilled workmen; our erection gangs are specialists and it requires years to assemble them properly. They deserve reasonable wages at all times. But during periods of decline the financially weaker plants are compelled either to lay off men or to cut wages. It is their only means of preserving a skeleton organization when the strong and the aggressive firms are cabraging all the contracts in sight in order to maintain a tonnage volume. It is our firm conviction that this plan of rationing the business will truly operate as a plan to permit all to live and let live and thereby enable all firms to maintain their payrolls.

"The steel constructors who are sponsoring the plan are so firmly convinced of the equity of its results that they are giving some study to the possibility of combining with it some form of employment insurance. I do not know of any business or industry where the continuity of employment is more sincerely desired. If the steel constructors can work this out successfully it will be the first time in the history of our construction industry that any branch of labor has been sufficiently stabilized as to be considered insurable.

"I am not prepared to speak for other industries but I would venture to suggest that all the well-organized trade associations have it within their power to correct the grosser evils of

their industries. Under a more liberal view of the existing anti-trust statutes undoubtedly the trade associations could be relied upon to effect a competent remedy of most trade evils. Experience shows us that a control of trade by flat always proves unsuccessful, especially so when it is predicated upon an uneconomic premise. The Stevenson plan to restrict the output of rubber is a notable example. Other uneconomic restrictive measures have likewise proven disastrous. They probably would have been just as disastrous had they been attempted through a voluntary agency of the industries involved.

"I make no claim that trade associations are infallible, but I do think they are less fallible than others because they are, in the first place, intimately acquainted with the technique of their industries and understand better the problems of their industries. But no central economic board would be possessed with the wisdom to handle business problems successfully unless it were coupled with the trade association.

"Some change from the present system is imperative. Under existing laws the Federal Trade Commission and the Department of Justice can do little more than haggle over hair-splitting distinctions of legal verbiage. An industry must go to the courts if it wishes to obtain a final decision as to its legal rights. Even then the decisions of the courts are not infrequently predicated upon the interpretation of a statute rather than upon sound economic fact.

"In their desperation the agricultural industry has wrested from you a partial recognition of their needs and obtained exemptions under the trust laws. The petroleum, coal and other basic industries are just now most vocal in presenting their claims. A specific exemption, or a specific remedy, will not cure a universal weakness in our governmental system. It is imperative that you devise some means whereby industries may exercise their rights within economic limits without running counter to radical application of the laws."

"President Hoover has the power to relieve the world-wide depression in 24 hours," says Harry Jackson, a certified public accountant of New York and Washington, D. C.

"The President of the United States has the 'power, authority and right' to revise, lower and change the tariff under the Smoot-Hawley act. If our President would put our tariff back to 1913 levels, foreign nations could not find ships enough to bring their products to America, nor could we find ships enough to transport our surplus products to those countries. The tariff boost was followed immediately by sharp decline in foreign trade. Nations that wanted to do business with us could not pay the high import tariffs. The tariff shut the door and America, always a producer of more than we can consume, found our export markets closed and trade paralyzed. Our unemployed about number those who would be employed if our foreign markets were restored.

"With foreign nations again exchanging their goods for our surplus the world depression would be relieved. I do not predict that President Hoover will lower the tariff, but he possesses that power and could, in 24 hours, start the return to world-wide business improvement. No other act would be so far-reaching or so immediate in its effect. Federal and other relief measures thus far taken are but temporary and will not change conditions. With greatly lowered tariff the wheels of industry will begin turning at once."

THE OBSERVER

What He Hears and Sees on His Rounds

Six hundred and seventy-three establishments employing 200,000 persons are now working on a five-day week program adopted as a permanent policy rather than as a temporary expedient, according to trends and indications quoting statistics of the Bureau on labor.

The canvass, which covered 37,857 establishments in 77 different industries, disclosed the fact that 2.4 per cent of the establishments had placed all or part of their employees on a permanent five-day week basis. This figure included 5.6 per cent of the workers in housing.

"Unwise hoarding of money is not thrift, but is in no small measure responsible for a great deal of the present unemployment," says J. Robert Stout, Chairman of the Executive Committee for National Thrift Week. "Hoarders make it difficult for the country to resume its natural progress. Lack of confidence in our leading financial institutions is unwarranted. At this time thrift means good management of the business of living. It requires buying wisely of the things you need. To spend money thriftily is to add to the productive power of both the individual and the nation."

In his annual address at the recent convention of the California Retail Lumberman's Association, President H. A. Lake stated there are now 995 yards doing business in the state as compared with 994 a year ago. The present membership of the association is 333 as compared with 403 a year ago. "The day of the gentlemen's agreement is a thing of the past," Mr. Lake said. Closer co-operation among the members and intensive trade promotion work, he declared, were the only solution to the problem of merchandising that confronted their industry.

Apparently alone in the world, 70-year-old Emmett Horgan, a bricklayer, fell dead in a Washington, D. C. restaurant last Tuesday. Police found \$1800 in his pockets. Since then they have discovered another \$25,000 in securities and savings deposit. Now they are hunting for relatives in New York, San Francisco and other cities where he worked many years ago.

A shorter working week, as well as a shorter working day, is a problem that business will have to seriously consider eventually. Just lately, the U. S. Bureau of Labor Statistics announced that the 5-day week was steadily gaining ground among American industries. The Bureau discovered that the auto industry, with 44.3 per cent, had the highest percentage of employees on the short week basis. Next came the radio industry with 34.4 per cent, the dyeing and finishing textile industry with 27 per cent and the aircraft industry at 24.9 per cent.

In compiling the wage data throughout the country for the 1931 national wage scale issued annually by the Builders' Association of Chicago, it was found that the five-day week had doubled itself in the principal cities within a year's time. No doubt it

will gain further momentum in the future. In time, universal establishments of labor saving machines will make the five-day week the prevailing custom among all industries. During the last 10 or 15 years, perhaps the finger of accusation can point to labor saving machinery that considerably reduced employment output. Where 4 to 5 men was a previous requirement to turn out a certain piece of work, all working forces are required to the minimum with the gradual installation of labor saving devices. As a consequence, the workers' ranks are reduced. One or two men are now needed to perform the duties of 4 or 5 men. American industry therefore has to face these facts. Improved machine production is now generally accepted, such processes having developed beyond the point, where it is impossible to execute "an-about-face" and revert to traditional production standards of bygone days.

Whether the five-day week is the solution, we cannot say. Time will tell. If, as economists tell us, within the next 10 years, employment opportunities are to vanish, the simple answer is further shortening of the 40 hour week, or a 5-day week and curtailment of working hours to even less than 8 hours. 10 hours was considered a fair day's labor 30 or more years ago. Later, it was reduced to 9 and now 8 hours is the prevailing custom. What's next?

The Employers Association of Jersey City and Hudson County, N. J., are contemplating asking for a decrease in wages. Iron workers are now getting \$2.00 per hour and other leading trades get \$1.75. They have sent out a questionnaire to find out the sentiment. The employers' main supporters of the organization are the bricklayers, plasterers, carpenters, sheet metal workers, electricians and marble and tile employers.

The Emergency Unemployment Relief Committee of New York City last Thursday announced \$16,074,039 had been contributed so far to its campaign to raise \$18,000,000 by December 6. The total included \$619,459 which ex-Governor Alfred E. Smith, head of the block-to-block canvass conducted by 17,000 volunteers, reported had been collected by his group.

Minneapolis and New York call attention to the recent published wage data on building conditions in their cities as shown on the 1931 national wage scale issued annually by the Builders Association of Chicago. One may be led to the belief in referring to this scale that closed shop conditions prevail at Minneapolis. Minneapolis builders claim this is not the case, as 75 to 80 per cent of all building construction work done in their vicinity is on the open shop basis.

The Structural Steel Board of Trade Inc., of New York, calls attention to the structural iron workers. Seventy-five per cent of all structural steel tonnage is erected in New York City on the open shop basis, this having been the custom for 25 years.

The Empire State, Farmers Loan,

Salomon Towers, Irving Trust, Chrysler and Lincoln buildings were completed under this plan. Included also in this group is the New York Central Depot and 90 per cent of all school work.

Brick distribution direct from kiln to bricklayer by means of containers of 1½ ton capacity has been employed in the construction of a large building in London. To meet motor-truck competition, the London, Midland & Scottish Ry. developed these containers, which are loaded at the kilns, hauled to London by rail and then delivered to the job, where they are hoisted to the floor on which bricklaying is in progress. The service is said to be quicker than by truck, while the container service avoids much rehandling on the job.

A mortgage loan discount bank system is to be proposed to Congress, the President announces. Six months ago the National Association of Real Estate Boards urged such action, but on a broader base—to cover the entire building field instead of merely small housebuilding as the official plan contemplates. Under the present limitation, reform of the whole real-estate security tangle is not in sight, therefore, says Engineering News-Record. Even so, however, the plan will help all building by making credit fluid. Whether it will also bring down the excessive cost of house mortgage loans remains to be seen; probably not, unless the rooted traditions of centuries are shattered—those traditions that place the highest burden of cost on the strongest possible loan security: the roof of the family. But time may prove effective; in the course of years even the sacred doctrine of 6 per cent may yield, and the bond and mortgage may be rated as favorably as its flighty and unreliable sister, the unsecured note or commercial bill. Then building credit will finally become as free as its merits.

The prevailing wage law is being flagrantly broken on the new post office building job at Houston, Texas, the Houston Building Trades Council charges in a letter to President Wm. Green of the American Federation of Labor, Secretary of Labor Daugherty, as representatives and senators, "The American Labor Banner" and others. The letter is signed by Jack Flynn, secretary of the Building Trades Council.

A fair illustration as to how bids are running on construction work are being figured in Cook County (New York State) is attested to in the recent submission of figures on the Illinois Ear, Eye and Nose Infirmary job. Some 40 general contractors participated. The high bid in round numbers was \$125,000, the low bid being \$90,000. All other bids were in between. A difference of over 25 per cent between the low and high bids.

Reduction of salaries of government employees will be considered by the House appropriations committee only as a last resort, according to Representative Byrns (Dem.), Tennessee. He was asked as to his attitude on the proposal of Representative Wood (Rep.), Indiana, to reduce pay of federal employees. Byrns will succeed Wood as chairman of the appropriations committee, providing the Democrats organize the House. That committee passes on government pay matters.

AGREE TO USE OF TERM 'PHILIPPINE' MAHOGANY

Complaints charging 14 companies handling furniture and other wood products with unfair methods of competition involving the use of the word "mahogany," and other terms of which the word mahogany is a part, to describe products said to be made of woods other than mahogany, have been dismissed by the Federal Trade Commission, according to a statement issued by the commission Nov. 16.

The dismissals were made following the signing by these companies of the following stipulation:

"Respondent hereby stipulates and agrees that in its sale, description and advertisement of the wood of the Philippine Islands which it has heretofore designated and described as 'Philippine Mahogany' and articles of commerce made therewith, it will not employ the word 'mahogany' in connection with the sale of said wood without the modifying term 'Philippine'."

The companies signing the stipulations and affected by the orders of dismissal are as follows: Bos Sled Corporation, New York; Louis Bessert & Sons, Inc., Brooklyn; Black & Yates Inc., New York; Pacific Door & Sash Co., Los Angeles; Frank Paxton Lbr. Co., Kansas City; E. J. Stanton and Son, Los Angeles; Carl Wendelstein & Co., Boston; Chicago Warehouse Lumber Co., Chicago; Western Hardwood Lumber Co., Los Angeles; Cadwallader-Gibson Co., Inc., San Francisco; Matthews Company, Inc., Port Clinton, Ohio; Dart Boats, Inc., Toledo; Boyd-Martin Boat Co., Delphi, Ind., and Gillespie Furniture Co. and others, Los Angeles.

Dismissal of the Gillespie Furniture Co. matter involved a complaint against Gillespie Furniture Co., Los Angeles, a corporation, and Furniture Corporation of America, Ltd., Portland, Oregon, successor to Gillespie Furniture Co. An earlier complaint against F. H. Gillespie, M. L. Gillespie and A. F. MacDougall, copartners, trading as Gillespie Furniture Co., Los Angeles, was dismissed June 30, 1931. Both complaints were directed against alleged improper labeling of woods in employing the word "mahogany" and other terms of which it is a part.

Commissioner Edgar A. McCulloch dissented to the action of the majority in ordering dismissal of the 14 cases.

NOTICE TO CONTRACTORS

The following special clause relating to sub-contracts on State Highway, effective on all projects beginning December 2, 1931, is called to the attention of contractors by C. H. Purcell, state highway engineer:

Section 3

"Subletting and Assignment. The Contractor shall give his personal attention to the fulfillment of the contract and shall keep the contract under his control. The Contractor shall not sublet or sub-contract a total of more than twenty per cent (20%) of the total amount of the contract.

"Before any work is started on a subcontract, the Contractor shall file with the Engineer a statement showing the work to be sublet or subcontracted, giving the names of the subcontractors and the description of each portion of the work to be so sublet or subcontracted.

"The above provision shall supplement the provisions of Section 3, article (a) 'Subletting and Assignment' of the 'Standard Specifications'."

BUILDING PERMITS ON PACIFIC COAST FOR MONTH OF NOVEMBER

Following is a compilation of building permit totals for cities in the Pacific Coast Area covering operations for the month of November, 1931, and those of November, 1930, for comparative purposes, as reported by building department executives in the cities listed:

CALIFORNIA

November, 1931

No.	Cost	Nov., 1930
Alameda	51	\$ 33,002
Albany	20	19,458
Alameda	46	88,900
Anaheim	12	21,962
Bakersfield	31	125,965
Berkeley	87	93,719
Beverly Hills	43	141,630
Burbank	18	23,925
Burlingame	15	23,600
Carmel	9	30,862
Chula Vista	5	510
Colton	4	2,500
Coronado	11	3,986
Emeryville	4	2,525
Eureka	12	1,750
Fresno	138	70,905
Fullerton	11	8,675
Glendale	83	170,920
Hayward	8	2,050
Huntington Park	27	38,660
Inglewood	25	45,950
Long Beach	253	218,975
Los Angeles	1742	2,539,258
Lynwood	1	2,000
Modesto	29	60,791
Monrovia	21	10,965
Montebello	6	6,250
Monterey	9	19,110
National City	28	8,497
Oakland	278	421,359
Oceanside	10	5,314
Ontario	10	19,075
Orange	11	2,245
Pacific Grove	13	16,300
Palo Alto	20	55,075
Palos Verdes Estates	1	9,000
Pasadena	270	71,948
Piedmont	9	11,074
Pomona	31	92,455
Redwood City	32	32,147
Richmond	24	15,542
Riverside	71	50,402
Sacramento	98	212,543
Salinas	40	42,931
San Bernardino	35	37,455
San Diego	243	178,906
San Francisco	495	1,235,043
San Jose	62	249,100
San Marino	9	72,163
San Mateo	24	81,949
Santa Ana	46	51,844
Santa Barbara	53	67,760
Santa Cruz	28	14,402
Santa Rosa	17	22,175
South Gate	27	25,540
South Pasadena	12	10,770
Stockton	43	38,055
Torrance	11	9,750
Ventura	5	1,119
Vernon	1	167,162
Watsonville	19	26,450
Total	4785	\$ 7,174,243

ARIZONA

Phoenix	26	\$ 57,941	\$ 127,805
Tucson	70	125,353	120,402
Total	96	\$ 182,394	\$ 248,207

IDAHO

Boise	62	\$ 19,170	\$ 21,467
Lewiston	15	24,175	16,915
Nampa	15	4,965	43,070
Total	92	\$ 48,300	\$ 81,452

NEVADA

Reno	45	\$ 72,200	\$ 72,350
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OREGON

Astoria	22	\$ 4,175	\$ 4,002
Corvallis		880	4,800
Eugene	37	26,760	132,591
Portland	301	176,740	992,960
Salem	54	8,039	7,730
Total	144	\$ 216,454	\$ 1,152,083

UTAH

Logan	1	\$ 2,800	\$ 10,785
Ogden	3	2,400	48,400
Salt Lake City	79	67,396	117,115
Total	83	72,596	176,800

WASHINGTON

Aberdeen	9	\$ 2,053	\$ 2,950
Everett	30	3,310	31,595
Hoquiam	6	720	1,080
Longview	3	5,725	60,825
Port Angeles	6	4,925	10,325
Seattle	383	322,800	3,024,675
Spokane	103	89,555	121,265
Tacoma	183	104,280	401,500
Vancouver	11	2,680	3,655
Walla Walla	16	5,726	13,727
Wenatchee	14	11,845	10,500
Yakima	34	46,973	45,145
Total	797	\$ 609,534	\$ 3,727,242
Grand Total	6,402	\$8,366,781	\$15,755,501

Hoover Home Bank Plan Is Declared a "Shock Absorber for Depressions" by Congressman

The Hoover home loan bank plan has grown from a Presidential proposal to an objective sought by widely diversified interests that heretofore have not taken a definite position on this much discussed matter.

The plan which provides for the creation of an entirely new financial system for the discounting through new regional banks, of the millions of dollars held in real estate mortgages, quickly passed the partisan stage in the three weeks that have elapsed since the Hoover announcement.

Five important things, said by bankers and others greatly to affect the favorable outcome of the Hoover plan, took place during the first three days of the President's Conference on Home Building and Home Ownership.

1. President Hoover devoted a sizeable portion of his address to the Conference on December 2nd to a discussion of the need for the home loan bank plan. The address declared that the new banks would systematically promote home ownership. The address contained no other suggestion for bringing about the results desired by the Conference. Supporters of the plan were not sure that the President would include any reference to this subject in this address, inasmuch as he is chairman of the Conference which contained several leaders whose position was known to be against the home loan bank project.

2. The Home Finance Committee brought in a report this morning unanimously supporting the President "in any remedial measures he proposes." This action is accepted as endorsement of the Hoover plan. This Committee is headed by Frederick H. Ecker, President of the Metropolitan Life Insurance Co., and includes, among others, Hiram S. Cody, President of the Mortgage Bankers Association of America, and Wm. E. Best, President of the United States Building and Loan League, representing influential bodies.

3. The Board of Directors of the United States Building and Loan League passed a resolution this morning approving the plan as outlined by President Hoover. This organization has 12,000,000 members.

4. The Bill, covering the new system, for presentation to Congress this month has been drafted.

5. The entire Conference, composed of representative bankers, insurance officials, mortgage men, realtors, material interests, and civic and professional bodies, unanimously approved the home loan bank plan at the final session of the Conference tonight. This was unexpected action not on the program.

The resolution, which was said to be extremely significant and to forecast the support that will be given the plan by the country, was introduced by John Sprunt Hill, prominent Democrat of Durham, N. C.

Mr. Hill rose from the floor in Constitution Hall as soon as the addresses were concluded and made a fifteen minute address in asking support of the home loan banks.

Harry S. Kissell, Springfield, Ohio, President of the National Association of Real Estate Boards, who has been making addresses concerning the new system in many cities before real estate boards and other organizations and who has been a tireless worker for the President's plan, said that he wanted Congress to make it possible "on behalf of business men, the public, and American home owners."

He declared that many merchants throughout the country had been hit by the present mortgage situation because they had deposited large sums in financial institutions whose assets are frozen in mortgages. Some merchants have been driven out of business. Mr. Kissell said:

"The creation of a structure that would permit financing institutions to discount carefully appraised mortgage holdings would automatically release the sums now frozen which are necessary for the continuance, expansion, and often the very life of the business man and the merchant.

"It is conservatively estimated that six or seven billion dollars tied up in this country today because we have no such system as Mr. Hoover's plan proposes. This vast sum represents the savings of approximately five million people and is money that could be put into circulation to revive industry, aid business, and put the unemployed back to work."

Describing how the lack of a discount agency "has operated to tear people out of their homes," Mr. Kissell said that thousands of mortgages has been foreclosed recently although the percentage of the mortgage to the value of the property was "ridiculously low." He said, for example, that many people who had paid for their homes down to 25 per cent of the value had lost their equities because American financial institutions have no outlet for their mortgages. The new banks, which would not lend direct to the public but to financial institutions only, would provide this outlet.

"People have actually lost their homes because they have missed interest payments.

"Regardless of the talk that the

country is overbuilt, some cities will show a home shortage when the depression has passed. In some places it is not possible to obtain construction loans. The flow of money from region to region, which the home loan banks will bring about, will provide funds for this new building and give manufacturers and labor the work for which they long."

Mr. Kissell also said that the proposed new system would not cause inflation because the plan provides for the release of money only on carefully appraised homes where the mortgage has not more than ten years to run; and that discount will be available only up to sixty per cent of the unpaid balance of the mortgage; and discounts will be restricted to \$15,000 on any property.

"The plan will not alter the Federal Reserve base or 'tinker' with the Federal Reserve Act. It is to be an entirely separate set up."

The Resolution passed by the Conference follows:

WHEREAS, President Hoover has stated that he would propose to Congress the establishment of a system of home loan discount banks; and

WHEREAS, in the opinion of this Conference, the establishment of such a system as the President proposes will operate not only to relieve the present financial strain upon sound savings banks, trust companies, and building and loan associations, but also will have a permanent value to the nation as a whole, as a means of promoting home ownership; and

NOW, THEREFORE, BE IT RESOLVED that the members of the President's Conference on Home Building and Home Ownership, assembled in Washington this fourth day of December, 1931, heartily endorse the plan of the President and pledge their support to the Administration in its efforts to have Congress enact appropriate legislation to establish the system proposed.

Samuel Reep, Minneapolis, Minn., member of the Finance Committee, one of two who seconded the motion for the resolution, called the home bank plan a "shock absorber for depressions."

HALSTEAD LUMBER COMPANY IS SOLD

Sale of the interests of the J. D. Halstead Lumber Company in Fresno to V. B. Bengston and P. R. Resleure of Fresno for a consideration of approximately \$16,000 is announced. The new concern will be known as the Bengston & Resleure Lumber Company.

J. L. Stockton, former manager for the Halstead Company, will remain in Fresno temporarily.

The Halstead Company, a Los Angeles concern, has been in business in Fresno since 1923.

Bengston has been connected with the lumber business for the past twelve years in Hanford, Fresno and Lemoore with the R. O. Deacon Company. Resleure has lived in Fresno for twenty years, part of which time was spent in the wholesale hardware business.

During the past thirty years the annual production of machinery in this country, exclusive of transportation equipment, has increased from \$900,000,000 to \$5,360,000,000, or 557 per cent, stated Howard Claman, California representative for General Shares Corporation, sponsor of Leaders of Industry Shares. The United States is the principal producer and principal consumer of industrial machinery.

BUILDER LOSES SUIT FOR DAMAGES IN BUILDING DELAY

Rights of the taxpayer are paramount to the welfare of subcontractors when it comes to a dispute over construction of school buildings in Oakland, it was decided by Superior Judge Leon E. Gray of Alameda County when he gave judgment for the Oakland School District in a suit led by Contractor John E. Hamilton to recover \$4300.

Hamilton, as head of the Hamilton Construction Company, was awarded the contract for construction of the Bret Harte school at Peralta Avenue and Hopkins, November 13, 1928, at a cost of \$105,370. He had received \$57,302.67 on the contract, and there remained \$48,144.34 to be paid when the school was completed and accepted December 5, 1929, the suit declares.

But the board of education of the Oakland School District had assessed damages of \$6200 against Hamilton at the rate of \$50 per day for 124 days Hamilton delayed in constructing the building beyond the contract time.

Hamilton stated in his suit that on March 4, 1930, the board of education held a hearing and reduced the \$6200 damage to \$2000, this reduction being made in the nature of a compromise of the claim. But on March 18, the board rescinded its compromise, and cancelled a warrant which has been drawn for \$45,795.71.

Testimony before Judge Gray revealed that this action of the board in rescinding its compromise was taken when Frank M. Ogden, then assistant district attorney, advised the board that no compromise could be made except in cases where there was no actual dispute between the contractor and the board as to the number of days the contractor was delayed in completing his contract.

Testimony before Judge Gray further revealed that the board of education had made the reduction from \$6,200 to \$2,000 not as a compromise of a dispute over the number of days the contractor was delayed, but as a matter of assistance to subcontractors whose money was being held up because Hamilton had not been paid. Ogden's opinion stated that the board of education had no power to reduce the penalty of \$50 per day which was provided for in the contract.

In deciding the case Judge Gray stated that the facts as brought out before him showed there was never any actual dispute between the board of education and Hamilton over the 124 days Hamilton was delayed in completing the school building, and that the board of education action in reducing the damage claim from \$6200 to \$2000 did not constitute a new contractor in favor of Hamilton.

The decision of the court empowers the Oakland School District and the board of education to collect the full \$6200 damage from Hamilton and make contractors observe strictly the terms of their contract when building school buildings.

In the face of the customary increase in motor vehicle registration each year, the consumption of gasoline shows a marked increase in the first half of 1931 as compared with the first half of 1930, according to W. R. Smith, president of the American Road Builders' Association. "Statistics of gasoline consumption give a total of 7,118,000,000 gallons for the first half of 1931 in contrast with 6,810,000,000 gallons for the first half of 1930, an increase of 2.3 per cent," stated Mr. Smith. "These figures were compiled by the U. S. Bureau of Public Roads based on a careful survey."

TESTING OF METAL IN SEA COAST AIR SCRIPPS PROJECT

As a permanent record of the apparatus and methods used by the American Society for Testing Materials in studying the resistance of commercial metals at the University of California Scripps Institution of Oceanography at La Jolla, Director T. Wayland Vaughan has just received two illustrated manuscripts describing the equipment.

The manuscripts were presented by C. B. Bradbeer, district plant manager and E. H. Humble, district construction superintendent of the Pacific Telephone and Telegraph, which they installed for the American Society for Testing Material last summer.

There are seven such testing stations on the Atlantic coast, but this one at Scripps Institution is the only one on the Pacific coast. Among a large number of materials being tested are such common kinds as commercial copper, brass, nickel and tin. After plates of each material have been exposed to the air for a certain time they will be examined for degree of corrosion and for degree of change in tensile strength. The information thus obtained will be highly valuable in choosing a metal to use for some purpose involving a great risk of corrosion and loss of strength through atmospheric exposure.

Other experiments are under way to determine the growth of fouling organisms on concrete under water. The device for submerging the concrete blocks was devised by James Ross and Professor W. E. Allen of the University staff. The experimental work is being done by Dr. W. E. Coe of Osborne Zoological Laboratory of Yale University.

CERTIFIED PLUMBING AIM OF ASSOCIATION

Organized to elevate the standard of plumbing, leaders of that industry in San Bernardino, Los Angeles and Riverside Counties recently filed articles of incorporation at San Bernardino for the Certified Master Plumbers Association of California.

The new corporation is for the advancement of certified plumbing by maintaining a high standard of material, by the employment of certified plumbing inspectors and by creating through advertising a public demand for certified plumbing installation and by guaranteeing all plumbing installed by a certified plumber to comply with standard specifications.

The principal office of the corporation will be in Los Angeles County. There will be no stock issued.

Directors for the first year, and incidentally the original incorporators, are Edwin J. Underwood, Bert B. Ferryman, Henry J. Fisher, all of Redlands; William C. McCon, Ontario; E. B. Brooks, Indio; L. R. Pratt, Coachella, and Urban R. Ziegler, Pomona.

The city of El Centro will pay Oswald Bros., paving contractors of Los Angeles, \$50,000, in satisfaction of a judgment obtained by them for the use of an asphalt mixing plant taken over by the city to complete a street paving contract a number of years ago. Oswald Bros. obtained a judgment for \$32,000 against the city and the account was settled by agreement between the contractors and city according to a statement by Ross T. Hickox, attorney for the contractors.

POTTERY PLANT SALE POSTPONED

Sale of the Merced Clay Products Company plant, just south of Merced, which was to be sold to the highest bidder last Thursday, to satisfy a mortgage on the premises held by the Los Angeles Trust and Safe Deposit Company, has been postponed until December 30, due to a lack of bidders. A score of persons appeared at the plant at the appointed time but it was deemed inadvisable to hold the auction at the time originally set.

The pottery operation at Merced was undertaken a dozen years ago. Frank Costello of San Francisco, head of a concern operating pottery works in various parts of the state, organized the enterprise, assisted by Merced capital. It was then called the California Pottery Company.

Tests showed that the clay deposit was adapted to clay products of high quality. For the first few years the plant operated successfully, then began to lose money.

Two years ago reorganization by Merced interests was effected, but it was not successful in getting the enterprise on its financial feet.

The company originally was capitalized at \$500,000, of which about half was paid in. The plant ceased operation entirely about six months ago.

STATE WILL OPEN 3 JOBLESS CAMPS

Three labor camps where unemployed transients will be given employment will be opened in the near future, Colonel Walter E. Garrison, director of the State Department of Public Works, announces. They will take care of above 750 jobs.

One will be located at Rich, Plumas County, and the others in southern California, one at Needles and one near Needles. The Rich camp will open about December 14. Men for the Rich Camp, Colonel Garrison so stated, would be cleared through the relief agencies in San Francisco.

CHRISTMAS PARTY FOR HIGHWAY GROUP

Governor James Rolph, Jr., and all employes of the State Department of Public Works, will be the guests of Col. Walter E. Garrison, director of the department, and James I. Herz, deputy director, at a "Family Christmas Party" in the El Temple at Sacramento December 23.

The Yuletide festival will begin in the afternoon with a Christmas tree and entertainment for the children, and extend far into the night for the adults. Santa Claus will be present at the afternoon fete and will distribute presents and candy and ice cream. In the evening, a dance will be turned into a Christmas festival.

The huge Christmas tree which will be the center of attraction is to be brought down from Donner Summit by the maintenance crew of District 10.

N. L. Levering of San Bernardino, has announced that he heads a syndicate which has proposed to the San Bernardino city council that a bond issue be voted by the city to purchase the existing electric and power systems of the Southern Sierras Power Co. and the Southern California Edison Co. in San Bernardino. Mr. Levering has asked the council to set a time to discuss his proposals.

HERE—THERE EVERYWHERE

Building permit statistics for the month of November, 1931, together with those for the corresponding period of last year, will be found on page three of this issue.

A. A. Robertson and William B. Beach have opened offices in the Cheda Bldg., San Anselmo, and will engage in a general engineering business.

W. W. Elmer has been appointed by Governor Meier of Oregon as a member of the State board of engineering examiners, to fill the vacancy caused through the failure of W. A. Hutton of Grants Pass, to qualify. Elmer's appointment will expire July 1, 1937.

Monterey Society of Architects has passed a resolution urging adoption of the standard Uniform Building Code by the cities of Carmel, Pacific Grove and Monterey, it is announced by Milton Latham, secretary of the society.

Contractors for paving and bridges on the 1932 projects of the Indiana state highway department are asked to limit working schedules to a maximum of nine hours per day and 54 hours per week, in order to spread work among a larger working force.

A recent Italian government decree authorizes the expenditure of \$7,890,000 during the fiscal year 1931-32 on the following special public works, which are deemed urgent: hydraulic development, \$5,610,000; roads, \$1,104,000; port works, \$464,000; improving congested centers, \$396,000; railways, \$263,000; buildings, \$53,000.

Of the New Jersey state funds for the relief of the unemployed, more than \$4,000,000 has been designated for use in payment of wages only. This money is available to counties and municipalities which will match it with an equal amount for construction of public improvements.

Samuel G. McClure, president of Southern California Newspapers, Associated, and a resident of Glendale, has been appointed as representative of that city on the board of directors of the Metropolitan Water District of Southern California, succeeding W. Turney Fox, resigned. Mr. McClure is one of the leading newspaper publishers of the country.

The Central Council of the San Francisco Builders' Exchange has instructed W. H. George, chairman, to forward a communication to Congress urging the passage of President Hoover's plan for mortgage banks of rediscount on homes.

Adoption of the five-day week for all municipal employees except the police and fire departments is being considered by the Alameda city council. It is believed that the arrangement will offer diversified employment, clerical and manual, for unemployed men and women. A meeting of department heads will be held shortly to work out arrangements for adoption of the five-day week plan.

The meeting date of the Association of Asphalt Paving Technologists during the 23rd annual convention and road show of the American Road Builders' Association has been changed

ed from January 15 to a day earlier, January 14.

In two cases from Trumbull county, Ohio, the supreme court held that federal bankruptcy courts have the power to cancel state taxes in the sale of bankrupt property. The state's contention was that the taxes remained against the property until they were removed by payment or by the sale of the property for taxes. In the cases, brought by I. J. Van Huffel, the court also said the bankruptcy courts had the power to sell insolvent property free of all liens.

George M. Richardson, purchase engineer, Southern California Edison Co., Los Angeles, who is president of the National Association of Purchasing Agents, has been appointed by the American Standards Association as its local representative in Los Angeles. Mr. Richardson will act as the point of contact between the industries of Los Angeles and Southern California and ASA.

Ezekiel Smith, 87, general contractor, said to have aided in the rebuilding of San Francisco after the earthquake and fire of 1906, died in Marceline, Mo., last Tuesday.

It is announced that arrangements have been made by Cement Industries, Ltd., of Derby, England, for the erection of a complete Portland cement plant at Asheham, Sussex, England. The factory will be designed for an ultimate production of 180,000 tons a year, and will comprise three units of 60,000 tons each, the first of which is now being installed. The equipment will include a rotary kiln of the recuperator type, balanced rod mills, and cement-conveying equipment. A lime hydrating plant is also being included in connection with the present lime plant which is being enlarged.

Supervision of Public Contractors Proposed in Illinois

Bills requiring the establishment of a uniform system of accounting of the expenditures of municipalities and contractors engaged in public work were introduced in the Illinois legislature, Engineering News-Record reports.

The proposed legislation consists of two bills, one providing for a public expenditures commission for downstate, and the other creating a budget supervisory board for governmental units within Cook County.

The downstate body, to be known officially as the Public Expenditures Commission, is to receive annually full and correct copies of the accounts of municipal corporations and public contractors. As a penalty for a contractor's submitting erroneous or incomplete statements, the commission may order the compensation of the contractor withheld until corrections are made and proper accounts filed. In case of falsification of the records submitted by public officials the bill makes it the duty of the officers of the municipal corporation to prosecute suit for recovery of the funds involved. The commission is given the power to subpoena records and accounts.

The proposed Budget Supervisory Board for Cook County would consist of three members appointed by the county judge. They would be barred from holding other public office during service on the board and for four years thereafter.

Both bills require a uniform system of accounting by municipalities and contractors doing public work

The legislation is similar to that suggested by a resolution passed by the Chicago city council on March 18. That resolution petitioned the legislature to authorize just such administrative machinery in the city of Chicago for the purpose of alleviating what had been charged to be gross extravagance and misapplication of public funds in the planning and execution of public contracts.

VOCATIONAL SCHOOLS URGED FOR BUILDERS

Better facilities for vocational education in the building trades were advocated before the New York Building Congress by William E. Grady and F. J. Keller, of the New York school system.

A central trade school, Mr. Grady said, had been set up in an old building, but soon had to vacate because the building was condemned by the fire department. Adequate quarters are necessary for apprentice training, and extension of the work to foreman and superintendent training may be desirable. Efforts to bring such improvement about must come from the industry itself.

Mr. Keller pointed out the importance of "market" study for determining the amount and kind of facilities necessary. Vocational training has made more progress in the printing and textile fields than in building, due to more interest from the industries.

According to the San Francisco Chamber of Commerce, real estate sales in October amounted to \$5,597,474, a gain of 14% over September but a decline of 5% over the same month a year ago. Sales for the 10 months period numbered 7,145 and amounted to \$58,307,023 compared to 7,224 sales valued at \$72,198,067 for the same period a year ago. Mortgages and deeds of trust against San Francisco real estate numbered 1,416 and amounted to \$10,141,539 a gain of 7% in number and 35% in amount. The 10 months total declined 4% in number and 8% in amount. Releases during October numbered 1,458 and amounted to \$10,138,024 a gain of 14% in number and 11% in amount. The 10 months total shows a decline of 1% in number and 2% in amount.

"M. E. Herrin, president of the North Charlotte Lumber Co., has found a new way to get rich in the lumber business, which is, to find gold nuggets on the side," according to a report from Charlotte, N. C., to the American Lumberman. "Mr. Herrin bought a piece of property recently that had on it an abandoned gold mine. Taking a walk about the property recently, he kicked what he thought was a rock, and discovered that it was a 12-pound gold nugget. Since that time he has been offered \$1,700 for the nugget by the Bureau of Mines, Washington, D. C. The chunk of gold ore is now in a Charlotte bank for safe keeping. It is said to be one of the largest ever discovered in the United States. Mr. Herrin is installing machinery and making plans to reopen the abandoned mine the meaning of keeping at his retail and begin working it again—but in lumber business."

Over-riding the objections voiced by a large delegation of citizens, the Long Beach City Council voted to raise the gas rate from 45 to 80 cents per thousand, with a minimum charge of 15 instead of 15 cents. The increased revenue from the source, and from a similar anticipated rise in the water rates, will be used to provide work for several hundred men, three days a week at \$4 a day.

Building News Section

APARTMENTS

Sub-Contracts Awarded.
APARTMENTS Cost, \$250,000
SAN FRANCISCO. Cor. Fillmore St. and Pacific Ave.

Six-story and basement reinforced concrete apartment house (2-story basement for garages, steam heat, oil burner, electric refrigeration, incinerator, etc.; 60 2- and 3-room apts.; all modern equipment and finishing).

Owner—Marian Realty Co., 110 Sutter Street.

Architect—H. C. Baumann, 251 Kearny Street.

Concrete—Vannucci Bros., 1875 San Bruno Ave.

Incinerator—Kerner Incinerator Co., 450 Clementina St.

As previously reported, structural steel awarded to McClintic-Marshall, 2050 Bryant St.

Contract Awarded.
APARTMENTS Cost, \$19,000
SAN JOSE, Santa Clara Co., Cal. SW Ninth and San Antonio Sts.

Two-story and basement frame and stucco apartments with concrete garage (shingle and tar and gravel roof, steam heating system, electric refrigeration, hardwood floors, colored tile baths and kitchens).

Owner—R. D. Campbell, % Mrs. Hatzfeld, 339 S 16th St., San Jose.

Architect—F. H. Slocombe, 3830 Harrison St., Oakland.

Contractor—H. T. Caskey, 5929 Mauritanla Ave., Oakland.

Contract Awarded.
STORE AND APTS. Cost, \$15,940
CARMEL, Monterey Co., Cal.

Two-story and basement reinforced concrete store and apartments.

Owner—Mary Jane and James T. Williams, Carmel.

Architect—A. W. Story and W. W. Hastings, 232 Alvarado St., Monterey.

Contractor—H. D. Coon, Dolores and Castro Lane, Carmel.

Roofing Contract Awarded.
APARTMENTS Cost, \$25,000
SAN FRANCISCO. Brooklyn Place S Sacramento St.

Four-story and basement reinforced concrete (11 2- and 3-room apts.; steam heat, composition roof, tile baths, hardwood floors).

Owner—Long Tong Tien Wee Association.

Architect—F. W. Dakin, 625 Market Street.

Contractor—F. R. Siegrist Company, 604 Mission St.

Roofing—Alta Roofing Co., 976 Indiana Street.

Other awards previously reported.

BONDS

SANTA MONICA, Los Angeles Co., Calif.—Santa Monica voters defeated the following bond issues at a special election held on December 1: \$600,000 for the purchase of the Bay Cities Guaranty building; \$350,000 for the erection of a new city hall on the present city hall site; and \$30,000 for condemnation proceedings for the acquisition of a civic center site.

PORTERVILLE, Tulare Co., Cal.—City Council contemplates election next April to vote bonds to finance erection of a new city hall and fire station. The amount to be voted has not yet been determined.

MARTHUR, Shasta Co., Cal.—Wooden School District will call election shortly to vote bonds of \$4000 to finance erection of a new school.

CHURCHES

Plans To Be Prepared.
CHURCH ADDITION Cost, \$4000
HAYWARD, Alameda Co., Calif.

Wood frame addition to present church.

Owner—Presbyterian Church (Rev. W. Alucy Pankey, pastor) Hayward.

Architect—Not Selected.

Sketches are now being received from several architects.

Completing Plans.
CHURCH Cost, \$12,000
TAFT, Kern Co., Cal.

Frame and stucco church (shingle roof, gas furnace, hardwood floors, wood sash, stained glass).

Owner—1st Church of Christ Scientist Architect—Chas. E. Butner, Glikbarg Bldg., Salinas.

Mrs. J. Todd, Taft, is chairman of the building committee.

Preparing Plans.
CHURCH Cost, \$—
BOULDER CITY, Nevada.

Frame and stucco church (composition shingle roof; French Norman style).

Owner—Episcopal Church.

Architect—Warner & Nordstrom, Las Vegas, Nevada.

OKDALE, Stanislaus Co., Cal.—Construction has been started on a one-story frame and stucco edifice for the Church of the Nazarene. The structure will be 45 by 80 ft. and will contain an auditorium, Sunday school room, prayer-meeting room and music studio. Rev. L. H. Bacheller is pastor.

SKILSAW Portable Electric Hand Saws (4 models).

SKILSAW Portable Electric Sander

SKILSAW Radial Arm Attachments.

SYNTRON Portable Electric Hammers (4 models, motorless).

MALL Flexible Shaft Machines (50 models).

Electric Drills, Grinders, Buffers, Routers, Lock Mortisers.

PETER H. NELSON

Labor Saving Portable Electric Tools.

1248 Mission St.

San Francisco

SALES . SERVICE . RENTALS

Underhill

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GARAGES AND SERVICE STATIONS

BAKERSFIELD, Kern Co., Calif.—Shell Oil Company has requested the Kern county supervisors to grant the company a lease at Kern County Airport where it proposes erecting a hangar and oil and gasoline service equipment at a cost of \$10,000.

Preparing Plans.
STORAGE BLDG. Cost, \$90,000
UPLAND, San Bernardino Co., Calif.

Fourth Avenue and A Street.

Two-story and basement reinforced concrete lemon storage building (200x140-ft.).

Owner—Upland Lemon Growers' Assn. (L. R. Bradley, secretary) Upland.

Architect—W. W. Ache, 1616 4th Ave., Los Angeles.

Preparing Plans.
WAREHOUSE Cost, \$100,000
PASADENA, Los Angeles Co., Calif.

1103 Glenn Ave.

One-story municipal warehouse.

Owner—City of Pasadena.

Architect—Marston & Maybury, 25 S Euclid Ave., Pasadena.

Contract Awarded.
METER SHOP Cost, \$20,000
STOCKTON, San Joaquin Co., Calif.

One-story brick and steel meter shop.

Owner—Pacific Gas & Electric Co., 245 Market St., San Francisco.

Plans by Eng. Dept. of Owner.

Contractor—E. H. Riley, First National Bank Bldg., Stockton.

Bids Rejected.
DAIRY Cost, \$60,000
IONE, Amador Co., Cal.

Complete dairy unit at Preston School of Industry, involving (A) Creamery Unit; (B) Milking Barn.

Owner—State of California.

Architect—Russell G. DeLappe, 1710 Franklin St., Oakland.

The Creamery Unit will be one-story with reinforced concrete foundations and floor, brick walls, wood roof construction and asbestos shingle roof.

The Milking Barn will be one-story with reinforced concrete foundations and floor, brick walls, wood roof construction and corrugated iron roof.

New bids may be called for at a later date.

On previous call for bids the following low bids were submitted:

General Work
 Guth & Fox, 1528 27th Street, Sacramento \$22,376

Electric
 Reliable Elevator Works, 1217 7th St., Sacramento \$1,745

Refrigeration
 York Ice Machine Co., 234 9th St. San Francisco \$2,740

Insulation
 Allyn L. Burr Co., 11th and R Sts., Sacramento \$1,990

Plumbing
 J. A. Fazio, 402 Castro Street, Oakland \$2,398

Heating
 Fred. W. Snook, 596 Clay Street, San Francisco \$6,277

MT. SHASTA, Siskiyou Co., Cal.—M. G. Still, P. O. Box 191, Mt. Shasta, at \$5750, submitted low bid to State Highway Commission, district engineer, Redding, to erect maintenance station buildings, comprising bunk-

house, standard truck shelter, gasoline and oil house, blacksmith shop, single woodshed, septic tank, and leaching field. Complete bids follows:

M. G. Still, M. Shasta.....\$5750
J. W. Anderson, Mt. Shasta..... 6330
L. Conestogo, Dunsmuir..... 6880
R. B. McKenzie, Red Bluff..... 7400
Theodor Johansen, San Francisco, 7610
T. B. Goodwin, San Francisco..... 8159
Oliver S. Almlie, San Francisco..... 8578

Sub-Bids Being Taken.

REBUILD PLANT Cost, \$14,000
OAKLAND, Alameda Co., Cal. 24th and Peralta Sts.

Rebuild plant recently destroyed by fire (heavy mill construction, tar and gravel roof, freight elevator).
Owner—East Bay Iron & Metal Co., Premises.

Architect—Engr. Dept. of Owner.
Contractor—Empire Constr. Co., Shell Bldg., San Francisco.

Plans Being Figured—Bids Close Dec. 18th.

WAREHOUSE, Etc. Cost, \$20,000
HAYWARD, Alameda Co., Cal.
Group of buildings (warehouse, garage, residence, etc.; corrugated iron and wood frame construction)
Owner—Pacific Gas and Electric Co., 245 Market St., San Francisco.
Plans by Eng. Dept. of Owner.

Plans To Be Prepared.

BOTTLING PLANT Cost, \$25,000
SACRAMENTO, Sacramento Co., Cal.
SW Stockton Blvd. and Miller Way
Two-story brick bottling plant (71x111-ft.)

Owner—Coco Cola Co., 3216 Sacramento Blvd., Sacramento.
Architect—Charles Deann, California State Life Bldg., Sacramento.

FLATS

To Be Done By Day's Work.

FLATS Cost, \$6000
SAN FRANCISCO. SW Cortland and Bocano.

Two-story and basement frame and stucco flats (2 flats).

Owner—J. Moroncelli, 11 Bennington Street.
Architect—G. A. Berger, 309 Valencia Street.

GARAGES AND SERVICE STATIONS

Plans Being Figured.

SALESROOM Cost, \$—
OAKLAND, Alameda Co., Cal. Broadway.

One-story reinforced concrete car shelter (capacity of 26 cars) and reconstruction of garage for automobile salesroom.

Owner—Withheld.
Architect—Chas. McCall, 1404 Franklin St., Oakland.

Preparing Working Drawings.

GARAGE Cost, \$—
LOS ANGELES, Cal. 1348 Georgia St.
One-story Class C brick garage (100x125-ft.; steel rolling doors, etc.)

Owner—Pelton Motor Co., 1345 Figueroa St., Los Angeles.

Architect—Nordstrom & Anderson, W. M. Garland Bldg., Los Angeles.

Sub-Contracts Awarded.

GARAGE, ETC. Cont. price, \$20,062
WEST OAKLAND, Alameda Co., Cal.
California Blvd. and Gough St.
One-story reinforced concrete garage (40x209-ft.) corrugated iron roof; one-story frame and stucco office (50x90-ft.) built-up roof, and one-story frame trailer shed (40-ft. in length).

Owner—Merchants Express & Draying Co. (Mr. Scott in charge), 1640 18th St., Oakland.

Architect—Geo. Ellinger, 1723 Webster St., Oakland.

Contractor—Nick Wierock, 1560 Allice St., Oakland.

Lumber—E. K. Wood Lumber Co., Frederick and King Sts., Oakland.
Structural Steel—Independent Iron Works, 1820 Chase St., Oakland.
Concrete—Nat. Lena, 2307 Encinal Ave., Alameda.

Reinforcing Steel—McGrath Steel Co., 354 Hobart St., Oakland.

Steel Partitions—Price Bldg. Specialties Co., 653 Howard Street, San Francisco.

As previously reported, plumbing awarded to H. E. Salsbury, 1641 6th Ave., Oakland; heating to Scott Co., 113 10th St., Oakland.

Sub-Bids Being Taken.

GARAGE Cost, \$6500
OAKLAND, Alameda Co., Cal. SE Bay Place and Harrison St.
One-story brick and tile garage.

Owner—J. K. Nelsen, 1612 Everett Ave., Oakland.

Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland.

FRESNO, Cal.—Standard Stations have leased property at the corner of Tulare and Divisadero Sts., where they will erect an automobile service station.

Low Bidders.

GARAGE & SALESROOM Cost, \$—
OAKLAND, Alameda Co., Cal. Broadway and 29th Sts.

One-story reinf. concrete car shelter (capacity of 26 cars) and reconstruction of garage for automobile salesroom.

Owner—Weaver-Wells Co., Broadway and 29th Sts., Oakland.

Architect—Chas. McCall, 1404 Franklin St., Oakland.

Concrete Shelter—John E. Branagh, 116 Monticello, Oakland.

Show Room—John J. Moore, 354 Hobart St., Oakland.

Bids held under advisement.

GOVERNMENT WORK AND SUPPLIES

NYSSA, Ore.—Montgomery Elevator Co., (L. A. Elevator Co., representative, 1809 E. 9th St., Los Angeles), submitted the low bid of \$8394 to the Bureau of Reclamation at Denver to furnish and install one 9000-pound live-load capacity automatic electrically-operated combined freight and passenger elevator, with a total lift of 270.51 feet, controlled from five landings, in Owyhee Dam, Owyhee project, Oregon-Icaho. The elevator enclosures are not included in the specifications.

MARE ISLAND, Cal.—Until Dec. 22, 10 A. M., under Schedule No. 7048, bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish and deliver 9,000 barrels Portland cement to the Mare Island Navy Yard. Specifications on file at Navy Purchasing Office, 100 Harrison St., San Francisco.

SAN DIEGO, Cal.—Until Dec. 22, 10 A. M., under Schedule No. 7048, bids will be received by Bureau of Supplies and Accounts, Navy Dept., Washington, D. C., to furnish 1,000 barrels of Portland cement, delivered at San Diego. Specifications on file in Navy Purchasing Office, 100 Harrison St., San Francisco.

WASHINGTON, D. C.—Bids are being received by the Bureau of Sup-

plies and Accounts, Navy Department, to furnish and deliver materials and equipment for various Pacific Coast Navy Yards and Stations, further information regarding which may be secured from the Navy Purchasing Office, 100 Harrison St., San Francisco.

Bids Open Dec. 15

San Francisco, three motor driven buffer and polishing machines, 12 circular steel wire scratch brushes, 12 cir-

polishing wheels and 18 buffing wheels; sch. 7025.

Mare Island, 3000 ft. rubber-metal gasoline hose; sch. 7031.

San Francisco, 4 motor driven engine lathes; sch. 7027.

Mare Island, 34 crucibles; sch. 7050.

Mare Island, 4500 attachment plugs; Mare Island, 460 snap switches; sch. 7015.

Mare Island, 60 brass oil syringes; sch. 7045.

San Francisco, 4 hollow conductor cables and 2 set tools; sch. 7079.

Puget Sound, 400 pneumatic rivet-sets; sch. 7054.

San Pedro, 2 electric arc welding sets; sch. 7052.

Mare Island and Puget Sound, 16 indicators, smoke periscope type, and spares; sch. 7030.

Bids Open Dec. 22

Puget Sound, turbine driven generating units, condensers, air ejectors, etc.; and spare parts; sch. 7057.

Complete Bid Listing.

POST OFFICE Cost, \$695,000
STOCKTON, San Joaquin Co., Cal.
Class A Post Office.

Owner—United States Government.

Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.

Consulting Architect—Howard G. Bliss, 421 S. Miner St., Stockton.

(Four low bidders previously reported).

Murch Bros., St. Louis (1) granite exterior, \$406,000; (2) terra cotta, \$364,000.

Robert McKee, El Paso, Texas, (1) \$423,100; (2) \$364,600.

R. J. Chute Co., Los Angeles, (1) \$425,346; (2) \$377,000.

Barrett & Hilp, San Francisco, (1) \$426,850; (2) \$375,800.

John Languera Co., Gary, Ind., (1) \$429,500; (2) \$378,000.

K. E. Parker Co., San Francisco, (1) \$430,350; (2) \$376,500.

Clinton Const. Co., San Francisco, (1) \$434,000; (2) \$373,000.

W. S. Dinwiddie, San Francisco, (1) \$434,000; (2) \$378,000.

H. Mayson Co., Los Angeles, (1) \$435,100; (2) \$382,000.

O. H. Chain, Stockton, (1) \$439,225; (2) \$380,970.

Wm. McDonald Co., St. Louis, (1) \$450,000; (2) \$400,500.

R. E. Campbell, Los Angeles, (1) \$445,700; (2) \$393,300.

Schuler & McDonald, Inc., Oakland, (1) \$449,700; (2) \$392,000.

McDonald & Kahn, Ltd., San Francisco, (1) \$452,368; (2) \$393,835.

J. F. Shepherd, Stockton, (1) \$454,500; (2) \$398,000.

Pehrson Bros., Minneapolis, (1) \$466,425; (2) \$409,625.

Lindgren & Swinerton, Inc., San Francisco, (1) \$458,000; (2) \$401,000.

Anderson & Ringrose, San Francisco, (1) \$462,000; (2) \$407,000.

Los Angeles Const. Co., C. G. Wopshall, Los Angeles, (1) \$462,000; (2) \$520,000.

F. Atkinson Co., Oakland, (1) \$464,904; (2) \$419,976.

Mittry Bros. Const. Co., Los Angeles, (1) \$484,213; (2) \$444,213.

VALLEJO, Solano Co., Cal.—Congressman C. F. Curry will seek an \$800,000 appropriation from Congress to finance erection of a storage warehouse for the Supply Department at the Mare Island Navy Yard. The proposed

structure would be located just north of the present power plant.

BOLINDER CITY, Nevada—Chicago Post Office Equipment Co., Chicago, submitted low bid of \$472.18 to Treasury Dept. on December 2 for furnishing screen line equipment for the Boulder City Post office. Other bids were: Federal Equipment Co., \$489 and \$509; Caplin Cabinet Lock Co., \$498; Original Cabinet Corp., \$512; A. L. Randall Co., \$517.25; McLane Mfg. Co., \$590; Geo. Fensky Co., \$602; C. F. Weber & Co., \$630; Salt Lake Cabinet & Fixture Co., \$871.

SAWTELLE, Los Angeles Co., Cal.—Veterans' Administration proposes erecting ten wood frame barracks buildings on the ground of the Soldiers Home, Sawtelle, to accommodate veterans entitled to domiciliary care. The project will be handled by the Supervising Superintendent of Construction, Veterans' Hospital, Palo Alto.

Prospective Bidders. Cost, \$—**WALLA WALLA, Washington.** One-story and basement reinforced concrete subsistence building. Owner—United States Government. Plans by Supervising Architect, Washington, D. C. Van Fleet, Freer Co., 557 Howard St., San Francisco. Armstrong Ice Machine Co., Spokane Washington. J. T. Halin, 308 Sun Life Bldg., Spokane, Wash. Elliott Constr. Co., Missoula, Montana.

Hipolito Co., 2021 S-Alameda St., Los Angeles. Otis Elevator Co., 1 Beach St., San Francisco. S. G. Morin, 926 Paulsen Bldg., Spokane, Wash. Sunnyvale Plumbing & Heating Co., Sunnyvale. J. R. Adkison, Clarkston, Wash. Campbell Engineering Co., P. O. Box 467, Tacoma, Wash. Harry Boyer, Son & Co., Box 94, Olympia, Wash. Andrew F. Mowat, 518 McDowell Bldg., Seattle, Wash. Soule Steel Co., 1750 Army St., San Francisco.

Electric Supply & Fixture Co., 106 E-Main St., Walla Walla, Wash. The G. H. Sutherland Co., 108 E-Main St., Walla Walla, Wash. Arrow Electric Co., 1932 Ninth Ave., Seattle, Wash. Western Constr. Co., 1404 Textile Tower, Seattle, Wash. N. J. McLeod, P. O. Box 94, Walla Walla, Wash. Morley Constr. Co., 1643 Bellevue Ave., Kansas City, Mo. Peder P. Gjarde, 430 Lyon Bldg., Seattle, Wash. Kohlenberger Engr. Co., Fullerton, Calif.

Walla Walla Lumber Co., Walla Walla, Wash. Tinning & Powell, 27-29 Main St., Spokane, Wash. E. K. Ferguson, Spanish Fork, Utah. Anton Peterson, 106 Securities Bldg., Seattle, Wash. York Ice Machinery Corp., 234 9th St., San Francisco. Allied Constr. Industries, 626 Broadway, Cincinnati, Ohio. York Ice Machinery Corp., 1238 No. 44th St., Philadelphia, Pa. Northwest Ice Machine Co., 1310 Seattle Blvd., Seattle, Wash. Baker Ice Machine Co., 691 Post St., San Francisco. Consolidated Electric Constr. Co., Ltd., 110 E. Robertson Blvd., Beverly Hills. S. F. Fire Brick & Furnace Constr.

Co., 2327 25th Ave., San Francisco. Ernest Gross, 721 Valencia St., Walla Walla, Wash. Selene & Standen, 110 W. Champlon St., Bellingham, Wash. Ring Constr. Co., 814 Wesley Temple Bldg., Minneapolis. Cyclops Iron Works, 837-847 Folsom St., San Francisco.

Western Quarry Co., Tenino, Wash. Sunnyvale Elec. & Machine Works, 143 Taft St., Sunnyvale.

A. Kleckhofer Elevator Co., Milwaukee, Wis. Childs & Burton, Railway Exchange Bldg., Portland, Ore.

Bids will be opened December 29, 2:30 P. M.

Plans and specifications obtainable from Supervising Superintendent of Construction, Veterans' Hospital, Palo Alto, and from Room 764, Arlington Bldg., Washington, D. C. Bond in amount of 25% of amount bid required.

PORTLAND, Ore.—Low bidders to furnish and install elevators in U. S. Postoffice at Portland, opened by Supervising Architect, Treasury Department, Washington, D. C., previously reported. Complete list of bids follows:

Otis Elevator Co., Washington, \$48,148. Westinghouse Electric Elevator Co., Chicago, \$49,800. Montgomery Elevator Co., Moline, Ill., \$53,123. Haughton Elevator Machine Co., Washington, \$57,529. Wm. A. Miller Machine & Elevator Co., St. Louis, \$73,198.

WASHINGTON, D. C.—In addition to those previously reported in the complete bid listing, following are late bids on the Portland, Oregon, postoffice project, these bids being received in sufficient time to be considered by the Supervising Architect:

Western Const. Co., Seattle, item 1, \$1,237,290; 2, \$1,213,290; 3, \$1,217,390. C. R. Wayman Worcester Building, Portland, Ore., item 1, \$1,332,951; 2, \$1,312,951; 3, \$1,317,051.

Plans Being Figured. Cost, \$—**HOQUIAM, Washington.** Completion of postoffice.

Owner—United States Government. Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Bids for the completion of this structure are being received by the Indemnity Insurance Co. of North America, Liggett Bldg., Seattle, bondsmen for W. T. Post, contractor, who was awarded the contract on a bid of \$113,000. Post relinquished his contract following labor difficulties. Construction has been completed to the first floor including plumbing installation.

Contract Awarded. **BOILER SETTINGS** Cont. Price \$11,687 **WHIPPLE, Arizona.**

Construct new brick boiler settings for six Kewanee and two Erie City 150 hp. H. R. T. Boilers at Veterans' Hospital.

Owner—United States Government. Plans by Supervising Superintendent of Constr., U. S. Veterans' Hospital, Palo Alto.

Contractor—California Steel Products Co., 452 Bay St. San Francisco.

Project will involve razing the existing boiler settings and constructing new settings of common, fire and insulating brick and new boiler fronts for six Kewanee boilers and new dead plates on all boilers.

PALO ALTO, Santa Clara Co., Cal.—L. S. Case, Inc., Monadnock Bldg.,

San Francisco, at \$3,117 submitted the low bid to Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, for installing complete, compressed asphalt tile or linoleum floor covering in Personnel Quarters Buildings Nos. 217 and 218, and linoleum floor covering in kitchens and halls of Cottage Buildings Nos. 304, 305 and 306 and in kitchen and laundry of Cottage Building No. 14.

Following is the complete list of bids:

L. S. Case, Inc., San Francisco, (1) \$3,117. Malott & Peterson, San Francisco, (1) \$3,438 (2) \$299 and (3) \$3,695. Special Service Floor Co., San Diego, (1) \$3,616 (2) \$365 add. J. E. Higgins, San Francisco, (1) \$3,695. McLean Hardwood Floor Co., Stockton, (1) \$3,890 (2) \$430 and (3) \$5,400 (3-a) \$235 deduct. J. W. Bender Roofing Co., San Francisco, (1) \$4,435. D. N. & E. Walter Co., San Francisco, (1) \$5,560 (2) \$283 (2-a) \$6.30 add. (3) \$3,359 (3-a) \$103 add. Leroy Olsen Co., San Francisco, (1) \$6,397. W. J. Sloane, San Francisco, (2) \$184 (2-a) \$77 (3) \$3,498 (3-a) \$1,547. Bids referred to Washington for award.

Plans Being Completed. **POST OFFICE** \$140,000 Available **MARSHFIELD, Oregon.** Two-story Class A Post Office (112x 65 feet).

Owner—United States Government. Architect—Johnson & Wallwork, Portland.

Plans will be submitted to the Supervising Architect, Treasury Department, Washington, D. C., immediately for approval.

SAN DIEGO, Cal.—Until Dec. 22, 11 A. M., under Specification No. 6752, bids will be received by Public Works Officer, 11th Naval District, to construct submarine salvage gear shed at Naval Operating Base (Fuel Depot) San Diego. The work includes concrete curb, wood framing of walls, galvanized corrugated steel on walls and roof, wood doors, windows and trim, glazing, miscellaneous steel, trolley for hoist and painting. Plans obtainable from above office on deposit of \$10 returnable, check for same to be made payable to Chief of the Bureau of Yards and Docks.

Complete Bid Listing (Three Low Bidders Previously Reported)

POST OFFICE EXTENSION \$—**ALAMEDA, Alameda Co., Cal.** Fireproof extension to Post Office and remodel present quarters.

Owner—United States Government. Plans by Supervising Architect's Office, Treasury Dept., Washington, D. C.

W. G. Thornally, Oakland, \$80,859 A. M. Lundberg, St. Louis, \$1,700 K. E. Parker Co., San Francisco, \$2,700 Young & Horstmeier, S. F., \$4,400 George Petersen, San Leandro, \$4,897 Barrett & Hilp, San Francisco, \$5,431 Schuler & McDonald, Inc., Oakland, \$6,900

Geo. Swanstrom, Oakland, \$7,178 E. T. Lester, Oakland, \$8,475 Wm. MacDonald Constr. Co., St. Louis, \$8,400

David Nordstrom, Oakland, \$9,890 Chas. D. Vezey & Sons, Berkeley, \$90,985 Monson Bros., San Francisco, \$1,450 San Francisco Constr. Co., Inc., San Francisco, \$7,818 Vogt & Davidson, Ltd., S. F., \$7,900

SACRAMENTO, Cal.—Unal December 14, 3 P. M., under Order No. 399-1891-8, bids will be received by U. S.

Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County, 500 lbs. Plastic Fire Brick "Argon Mastic," (page 160 Plant Rubber and Abestos Works Cat. No. 9) or equal.

MARE ISLAND, Cal.—Until Jan. 6, 1 A. M., bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., under Spec. 6431, for Battery Overhaul Building, Sub-station and Acid Mixing Plant, Submarine Base, Navy Yard, Mare Island, Calif., are nearing completion. The work includes piles, concrete steel work, railroad track, built-up roofing, steel sash, rolling doors, mastic flooring, stucco hollow tile work, plumbing, gas, air, and acid piping, heating, electric light and power wiring, and electric cranes. Est. Cost, \$240,000.

Following contractors have secured plans:

Clinton Const. Co., 923 Folsom St., San Francisco.

Herick Iron Works, 18th and Campbell Sts., Oakland.

MacDonald & Kahn, Financial Center Bldg., San Francisco.

Dyer Bros. Golden West Iron W'ks, 17th and Kansas Sts., San Francisco.

Fred. Anderson.

Minneapolis Steel & Machinery Co., Sharon Bldg., San Francisco.

E. T. Lesure, 87 Ross Circle, Oakland.

Robert E. McKee, 108 W 6th Street, Los Angeles.

Schuler & McDonald Inc., 1723 Webster St., Oakland.

K. E. Parker Co., 135 South Park, San Francisco.

Healy-Thibbitts Const. Co., 64 Pine St., San Francisco.

Raymond Concrete Pile Co., Hunter-Dulin Bldg., San Francisco.

W. G. Thornally, 354 Hobart Street, Oakland.

Moore Drydock Co., Balfour Bldg., San Francisco.

Persons wishing to obtain the bidding data should forward to the Bureau or to the Commandant, Navy Yard, Mare Island, Calif., a check or postal money order for \$15, payable to the Chief of the Bureau of Yards and Docks, as security for the safe return of the drawings and specification. Applications and deposits will be placed on file and drawings and specification mailed as soon as available.

Completing Plans.

POST OFFICE Cost, \$180,000
MERCED, Merced Co., Cal. NW 18th and K Streets.

Class A reinforced concrete and steel post office (130x84-ft.; stucco exterior, stone trim, tile roofing, steel and bronze windows and doors, etc. The building will contain work room, mailing vestibule, public lobby, forestry department, etc.)

Owner—U. S. Government.

Architect—Allison & Allison, California Reserve Bldg., Los Angeles.

Bids will be asked in about 30 days.

SACRAMENTO, Cal.—Until December 14, 3 P. M., under Circular Proposal No. 32-183, Specifications No. 3967/1887, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to furnish welded dress pipe as follows:

- (1) 1 discharge pipe, 21" O.D.x3' 4 3/4" long;
- (2) 1 discharge pipe, 21" O.D.x11' 7 1/2" long;
- (3) 1 discharge pipe, 21" O.D.x3' 1' long;
- (4) 1 discharge pipe, 21" O.D.x3' 7" long.

PORTLAND, Ore.—Otis Elevator Co. 1 Beach St., San Francisco, at \$48,148 submitted low bid to Treasury Department, Washington, D. C., for elevators for the Federal Building to be erected in Portland. Westinghouse Electric Co., Chicago, submitted second low bid at \$49,800.

PALO ALTO, Santa Clara Co., Cal.—Art Tile & Mantel Co., 221 Oak St., San Francisco, submitted low bid to Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, for tile floors, etc., in the Subsistence Building No. 204 at Palo Alto. This work will include quarry the floors and base or quarry the floors and high fired faience tile base and wainscot, removing cement topping on concrete floors, constructing tile and steel trough under steam kettles and all cutting and patching required.

Following is a complete list of bids: Art Tile & Mantel Co., San Francisco, Item 1, \$3150 (a) \$3242 (b) \$2262 alternates to Item 1, (c) \$3033 (d) \$2,353.50 add to (e) \$125.

Meda Art Tile Co., San Francisco, (1) \$2685 (a) \$3970 (b) \$2700 (c) \$3300 (d) \$2670 (e) \$300.

Mangrum-Holbrook Co., San Francisco, (1) \$3696 (a) \$3425 (b) \$2375 (c) \$3550 (d) \$2800 (e) \$1550. Bid qualified as follows: Bid includes tile walls, coating of corridor walls and entry into vegetable room. If walls are not wainscoted and only bases used, deduct the sum of \$960 from Alternate (a) under Item 1. If the floor and walls of milk refrigerator are not tiled, deduct the sum of \$290 from Alternate (d) under Item 1.

Malott & Peterson, San Francisco, (1) \$4000 (a) \$2370 (b) \$2270 (c) \$3520 (d) \$2618 (e) \$2450. Letter from American Welding Engineering Co. states as follows: This is to notify that the installation of stainless steel trough under Malott & Peterson's bid was underestimated on account of error in material cost. The estimate was \$2500, but is now raised to \$3500 or \$1000 more than original estimate.

Prospective Bidders.

SUBSISTENCE BLDG. Cost, \$—
WALLA WALLA, Washington.
One-story and basement reinforced concrete subsistence building.

Owner—United States Government.
Plans by Supervising Architect, Washington, D. C.

Following is a partial list of contractors who have secured plans:

E. K. Ferguson, Spanish Fork, Utah.

Staples & Pfeiffer, Ltd., 528 Bryant St., San Francisco.

Harbison-Walker Refractories Co., 1025 Hearst Bldg., San Francisco.

A. H. Walsh Plumbing Co., 1120 2nd Ave., Salt Lake City.

Johns-Manville Sales Corp., 159 New Montgomery St., San Francisco.

Stearns Rogers Mfg. Co., Denver, Colo.

F. H. Meyer Co., 635 S. Preston at Gray, Louisville, Ky.

Leahy Mfg. Co., 1804 E. 8th St., Los Angeles.

Bids will be opened December 23, 2:30 P. M.

SAN FRANCISCO—Until January 4, 10 A. M., under Circular No. 928-32, 123 bids will be received by Quartermaster Supply Officer, General Depot, Port Mason, to furnish and deliver: 286 carbon steel round shank twist drills; 4,400 round head, square neck, carriage bolts; 12,200 semi-finished, square head, machine bolts; 220 lbs. steel wire, common brads; 122 woodworker's chisels; carpenters, carriage makers and ship clamps; hammer handles; 11,000 lbs. wire nails; 800 lbs.

soft steel rivets; 180 lbs. tinners' rivets; miscellaneous screws; washers; 18 lawn mowers; miscellaneous hinges; 3300 galvanized iron roofing sheets; 75 sets mortise know locks, etc. Specifications obtainable from above office.

SACRAMENTO, Cal.—Until December 14, 3 P. M., under Order No. 3976-1891, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver miscellaneous packing. Specifications obtainable from above.

SACRAMENTO, Cal.—Until December 15, 3 P. M., under Circular Proposal No. 32-176, Spec. No. 3947/1892, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to furnish, deliver and place approximately 12,000 tons of rip rap stone along the Sacramento river between the mouth of Cache Slough and Collinsville.

Plans Being Completed.

POST OFFICE ADDN. Cost, \$750,000
SAN FRANCISCO. Seventh and Mission Streets.

Four-story Class A reinforced concrete addition to Post Office (granite exterior).

Owner—United States Government.
Architect—George W. Kelham, 315 Montgomery St., San Francisco.

Plans will be completed about Jan. 15.

OAKLAND, Alameda Co., Calif.—White & Gloor, Monadnock Bldg., San Francisco, sub-let the tubular steel contract to the Steelform Contracting Co., Monadnock Bldg., San Francisco, in connection with the construction of the Oakland Post Office now under construction by K. E. Parker Co., 135 South Park St., San Francisco.

SAN RAFAEL, Marin Co., Calif.—Following is a complete list of bids received by Constructing Quartermaster, 829 Fourth St., San Rafael, for furnishing and driving eight or more untreated test piles and load bearing tests. Piles will be driven at Marin Meadows Ranch:

- (1) driving first eight piles;
- (2) driving 1 to 3 additional piles;
- (3) testing first 8 poles;
- (4) testing 1 to 8 additional piles.

M. B. McGowan, 74 New Montgomery St., San Francisco, (1) \$1,245 (2) \$110 (3) \$91.62 (4) \$65.

Ben. C. Gerwick, San Francisco, (1) \$1,527 (2) \$150 (3) \$350 (4) \$250.

W. L. Proctor, Santa Rosa, (1) \$1,630 (2) \$90 (3) \$62.50 (4) \$55.

Healy-Thibbitts Const. Co., San Francisco (1) \$2,220 (2) \$260 (3) \$150 (4) \$150.

Duncanson-Harrelson Co., San Francisco (1) \$2,640 (2) \$148 (3) \$275 (4) \$200.

A. W. Kitchen, San Francisco (1) \$2,660 (2) \$105 (3) \$235 (4) \$160.

Raymond Concrete Pile Co., S. F., (1) \$4,005 (2) \$450 (3) \$330 (4) \$260.

Otis H. Smith, San Rafael (1) \$5,299 (2) \$78.75 (3) \$267.50 (4) \$267.50.

Bids referred to Washington for award.

SACRAMENTO, Cal.—Until December 14, 3 P. M., under Circular Proposal No. 32-175, Specifications No. 3939/1887, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish miscellaneous castings, as follows:

- (1) 3 piston ring castings;
- (2) 1 discharge pipe pump connection;
- (3) 1 discharge pipe elbow;
- (4) 1 suction pipe "S" bend;
- (5) 2 rough piston castings;
- (6) 2 rough piston rods;
- (7) 1 half nut and spur gear.

Prospective Bidders—(Bids To Be opened Dec. 23).
POST OFFICE—Available \$200,000
BUTTE, Montana.
Class A extension to post office including remodeling present structure.

Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Bids are being received by the Supervising Architect at Washington, D. C., from whom plans may be obtained.

General Contract
A. H. Brodkey Co., Saunders-Kennedy Bldg., Omaha, Neb.
George O'Brien, 1837 Oregon Ave., Butte, Mont.
Peder G. Gjarde, Lyon Bldg., Seattle Wash.

Mads Madsen Co., National Building, Minneapolis, Minn.
Walter Petersen, Wilkinson Bldg., Omaha, Neb.
Chas. Weitz's Sons, Inc., 713 Mulberry St., Des Moines, Iowa.
Field-Martin Co., 720 S Sixth St., Minneapolis, Minn.
A. M. Lundberg, St. Louis, Mo.
Andrew F. Mowat, McDowell Bldg., Seattle, Wash.

Elevators
S. Heller Elevator Co., Milwaukee.
Gurney Elevator Co., Southern Bldg., Washington, D. C.
Jeffrey Mfg. Co., Box 510, Raleigh, N. C.
Reliance Elevator Co., 212 Kinze St., Chicago.

Elevator Locks Co., 119 N Washington St., Peoria, Ill.
Westinghouse Electric Elevator Co., 30th and Walnut Sts., Philadelphia.
Haughton Elevator Co., 1105 Vermont Ave. N. W., Washington, D. C.
A. B. See Elevator Co., 14th and H Sts. N. W., Washington, D. C.
Otis Elevator Co., Washington, D. C.
General Electric Co., Schenectady, N. Y.
American Elevator & Machine Co., 500 E Main St., Louisville, Ky.
Atlantic Elevator Co., Erie Avenue and D St., Philadelphia, Pa.

SUNNYVALE Santa Clara Co., Cal.—San Francisco Const. Co., 3159 Fillmore St., San Francisco, at \$22,635 awarded contract by 12th Naval District, San Francisco, to construct an airship mooring circle at the Sunnyvale Air Base in Santa Clara County. Project involves construction of a concrete foundation for mast and construction of a circular railroad track.

HALLS AND SOCIETY BUILDINGS

Plans Completed.
MEMORIAL BLDG. Cost, \$50,000
SANTA CRUZ, Santa Cruz Co., Calif.
Two-story and basement veterans' memorial building (concrete exterior walls, frame interior, tile roof; Spanish style).

Owner—County of Santa Cruz.
Architect—Davis-Pearce Co., Grant & Weber Sts., Stockton.

Plans will be submitted to Board of Supervisors for approval on Dec. 7.

Contract Awarded.
ALTER CLUBHOUSE Cost, \$2500
MERCED, Merced Co., Cal.
Rebuild clubhouse recently destroyed by fire (frame construction, redwood exterior).

Owner—Merced Golf & Country Club.
Architect—Kent & Hass, 525 Market St., San Francisco.

Contractor—Cameron & Son, Merced.

Sub-Bids Wanted.
ADDITION Contract price, \$6300
ALAMEDA, Alameda Co., Cal.
One-story frame and stucco addition to club house (35x45 ft.) part tile

and composition roof, electric heat pine floors, etc.

Owner—City of Alameda (W. E. Varcoe, clerk).
Architect—Hamilton Murdock, 1436 Benton St., Alameda.

Contractor—R. C. McBride, Jr., 4217 Broadway, Oakland.
Sub-bids are wanted on all portions of the work.

Contract Awarded.
PLASTERING, ETC. Cost, \$1700
WALNUT CREEK, Contra Costa Co.
Replaster exterior and repair interior of Memorial Hall.
Owner—City of Walnut Creek.
Architect—Not Given.
Contractor—B. Boppe, Walnut Creek.

Final Plans Approved.
MEMORIAL BLDG. Cost, \$50,000
SANTA CRUZ, Santa Cruz Co., Calif.
Two-story and basement veterans' memorial bldg. (concrete exterior, walls, frame interior, tile roof; Spanish style).
Owner—County of Santa Cruz.
Architect—Davis-Pearce Co., Grant & Weber Sts., Stockton.
Bids will be advertised in about 3 weeks.

HOSPITALS

Sub-Contracts Awarded.
LAUNDRY BLDG. Cont. price, \$20,576
TALMADGE, Mendocino Co. Cal. State Hospital Grounds.
One-story reinforced concrete laundry reinforced conc. foundations, floors and walls; wood stud partitions, steel and wood roof framing and clay tile roof).

Owner—State of California.
Architect—Chas. E. Perry, 417 E Sacramento St., Vallejo.
Mechanical Engineer—A. R. McLeran, Hearst Bldg., San Francisco.
Contractor—The Minton Co., 243 Hamilton Ave., Palo Alto.

Structural Steel—Schrader Iron W'ks, 1247 Harrison St., San Francisco.
Reinforcing Steel—Pacific Coast Steel Co., 20th and Illinois Sts., San Francisco.

Sheet Metal—Forderer Cornice Works, 269 Potrero Ave., San Francisco.
Painting—Mortenson Bros., San Jose.
Interior Tile—Rigney Tile Co., 3012 Harrison St., Oakland.

Tile Roof—Peninsular Roofing Co., Mt. View.
Glass—East Bay Glass Co., 621 6th St., Oakland.

Concrete, carpentry and plastering will be done by the general contractors.

As previously reported, other contracts are: Plumbing and heating awarded to Turner Co., 323 Tehama St., San Francisco; electric to Superior Electric Co., Phelan Bldg., San Francisco.

Plans Being Figured—Bids Close Dec. 21, 11 A. M.
MORTUARY Cost, \$—
FRENCH CAMP, San Joaquin Co. Cal.

General contract work in connection with Mortuary at the San Joaquin General Hospital.

Owner—County of San Joaquin, Eugene D. Graham, county clerk, Stockton.

Architect—Frederick H. Meyer, 525 Market St., San Francisco.

Certified check 10% payable to the Chairman of the Board of Supervisors required with bid. Plans obtainable from the office of the county clerk on deposit of \$25, returnable.

STOCKTON, San Joaquin Co., Cal.—Until December 15, 2 P. M., informal bids will be received by State Department of Public Works, Public Works Building, Sacramento, for furnishing

and installing five electric dumb waiters in various buildings at the Stockton State Hospital.

Complete Bid Listing.
CONTAGIOUS WARD Cost, \$—
FRESNO, Fresno Co., Cal.
One-story and basement brick or reinforced concrete contagious ward at County Hospital).
Owner—County of Fresno.
Architect—Swartz and Ryland, Brix Bldg., Fresno.

General Work
E. J. Heffner, 252 N Broadway, Fresno, \$15,755; alt. B deduct, \$467; alt. C deduct, \$630.
Roy Martin, Fresno, \$17,131; (B) \$265; (C) \$586.

Fisher & McNulty, Fresno, \$17,172 (B) \$360; (C) \$872.
Jolly & Harrington, Fresno, \$17,266; (B) \$400; (C) \$797.
Irwin & Hopkins, Fresno, \$17,575; (B) \$370; (C) \$748.
Liner & Allen, Merced, \$17,574.50; alt. A concrete, \$25,993; (B) \$480; (C) \$1600.

W. J. Ochs, Fresno, \$17,629; (A) \$23,318; (B) \$600; (C) \$755.

Brick Work
E. F. Main, Route 1, Box 22, Fresno, \$4,782; alt. A deduct, \$155; alt. B deduct, \$385.
Paul Kinder, Fresno, \$5,325; (A) \$75; (B) \$625.
J. M. Brown, Fresno, \$5,390; (A) \$390; (B) \$300.
D. A. Moore, Fresno, \$5,400; (A) \$465; (B) \$570.

Plumbing and Heating
Barrett-Hicks Co., 1027 Broadway, Fresno, \$11,089; (B) \$960; (C) \$2600.
Newman & Hudson, Fresno, \$11,548; (B) \$763; (C) \$2660.

Electric Work
Wessel Electric Co., 4751 Balch St., Fresno, Prop. I, 4,500; Prop. II, \$860; alt. A deduct, \$260; \$85.
Inland Light Co., Fresno, Prop. II, \$805; \$61.

Robinson Electric, Fresno, Prop. I, \$4,593; Prop. II, \$900; (A) \$238; \$80.
Electric Const. Co., Fresno, Prop. I, \$4,691; Prop. II, \$830; (A) \$138.

Terra Cotta Roofing
Bush Roofing Co., 217 St. Claire Bldg., San Jose, \$3,092; alt. A deduct \$264; using substituted material, \$2,580; \$216.

C. E. McMullin Co., Fresno, \$3,668; (A) \$300; \$2,300; \$264.
San Joaquin Atlas Co., Fresno, \$3,685; (A) \$305; \$3,225; \$370.

Valley Lumber Co., Fresno, \$3,750; (A) \$305; \$3,367; \$275.
D. H. Hoffman Co., Fresno, \$3,850; (A) \$330; \$3,297; \$255.

Faris-Osborne Co., Fresno, \$3,815; (A) ...; \$3,320; \$290.

Lathing and Plastering
Joe Masl, 515 Oleander, Fresno, \$4,879; (A) deduct, \$376; (B) deduct \$157.
N. L. McKenzie, \$4,965; (A) \$400; (B) \$243.

M. E. Summers, Fresno, \$4,975; (A) \$402; (B) \$190.
Fred M. Low, Fresno, \$4,996; (A) \$354; (B) \$176.

Mill Work
Fresno Planing Mill, Monterey and H Sts., Fresno, \$3,289; (A) deduct, \$268.

Hollenbeck-Bush Planing Mill, Fresno, \$3,635; (A) \$335.

Floor Covering
Slater Furniture Co., Fresno, \$1,610; alt. (A) deduct, \$177.
C. E. McMullin, Fresno, (A) \$1,669; (B) \$178.

Large Furniture Co., Fresno, \$1,867; (A) \$1,470; (B) \$205.

Tile Flooring and Wainscoting
Fresno Marble & Tile Co., 1511 E St., Fresno, \$4,567; (A) deduct, \$680; (B) deduct, \$106.
Alt. Mantle & Tile Co., San Francisco, \$4,680; (A) \$635; (B) \$140.

C. E. McMillin Co., Fresno, \$4,775;
(A) \$700; (B) \$100

Painting

W. F. Lyons, 3545 Nevada Street,
Fresno, \$1,580; (A) add \$60; (B) deduct.

Barrett-Hicks Co., Fresno, \$2,195;
(A) \$125; (B) \$195.

Joe Streeter, Fresno, \$2,311; (A) \$77;
(B) \$241.

Contract Awarded.

ELEVATOR, 12th. Cont. price, \$13,871
FRENCH CAMP San Joaquin Co., Cal.
General contract work in connection
with an X-ray department, passenger
elevator and connecting
passageway in connection with the
County General Hospital.

Owner—County of San Joaquin, E. D.
Graham, county clerk.

Architect—Frederick H. Meyer, 525
Market St., San Francisco.

Contractor—E. H. Riley, First National
Bank Bldg., Stockton.

Following is a complete list of bids:
(1) X-ray Dept. (2) connecting passageway (3) elevator (4) add for self-leveling apparatus.

E. H. Riley, (1) \$6,680 (2) \$4,665 (3) \$6,183 (4) \$302.

J. J. Cavanagh, Stockton, (1) \$6,581 (2) \$5,111 (3) \$6,912 (4) \$700.

George Reek, Stockton, (1) \$6,990 (2) \$4,940 (3) \$6,720 (4) 681.

H. E. Vickroy, Stockton, (1) \$7,000 (2) \$5,000 (3) \$6,975 (4) \$644.

I. E. Toothacre, Stockton, (1) \$7,344 (2) \$5,280 (3) \$7,119 (4) \$714.

Pacific Elevator Co., San Francisco \$6,904 (self-leveling apparatus) \$5,224 (without self-leveling apparatus).

Contract awarded on items 1, 3 and 4. Bids on item 2 are held under advisement.

Contract Awarded.

FURNITURE Cont. price, \$4947
FRENCH CAMP, San Joaquin Co., Cal.
Furnish and install metal furniture in new unit at San Joaquin County General Hospital.

Owner—County of San Joaquin, Eugene D. Graham, county clerk.

Spec. prepared by W. Y. Tretheway, county purchasing agent, Room 5, courthouse, Stockton.

Contractor—Stockton Drygoods Co., Main and American Sts., Stockton.

Contracts Awarded.

CONTAGIOUS WARD Cost, \$55,736
FRESNO, Fresno Co., Cal.

One-story and basement brick or reinforced concrete contagious ward at County Hospital.

Owner—County of Fresno.

Architect—Swartz and Ryland, Brix Bldg., Fresno.

General Work—E. J. Heffner, 252 N Broadway, Fresno, \$15,755.

Brick Work E. P. Main, Rt. 1, Box 22, Fresno, \$4,782.

Plumbing and Heating—Barrett-Hicks Co., 1027 Broadway, Fresno, \$11,000.

Electric Work—Wessel Electric Co., 4751 Balch, Fresno, \$4,500.

Terra Cotta Roofing—Bush Roofing Co., St. Claire Bldg., San Jose, \$2,580.

Lathing and Plastering—Joe Masi, 615 Chandler, Fresno, \$4,579.

Mill Work—Fresno Planing Mill, H and Montana Sts., Fresno, \$3,289.

Floor Covering—Slater Furniture Co., Fresno, \$1,610.

Tile Flooring and Wainscoting—Fresno Marble & Tile Co., 1511 E St., Fresno, \$4,567.

Painting—W. F. Lyons, 3445 Nevada St., Fresno, \$1,880.

Plans Being Figured—Bids Close Dec. 21, 11 A. M.

SURGICAL EQUIP. Cost, \$—

FRENCH CAMP, San Joaquin Co., Cal.

Furnish and install surgical equipment for the San Joaquin County General Hospital.

Owner County of San Joaquin, Eugene D. Graham, county clerk, Stockton.

Specifications prepared by W. Y. Tretheway, County Purchasing Agent, Courthouse, Stockton.

Certified check 10% payable to the Chairman of the Board of Supervisors required with bid. Specifications obtainable from the County Purchasing Agent on deposit of \$10, returnable.

Plans Being Completed.

INDIGENTS' HOME Cost, \$100,000
SACRAMENTO, Sacramento Co., Cal.

Franklin Boulevard.

One-story Indigents' Home (brick exterior walls, tile roof, Spanish style, Class C construction).

Owner—County of Sacramento.

Architect—Harry Devine, California State Life Bldg., Sacramento.

Plans will be completed in about 2 weeks.

HOTELS**Contract Awarded**

REMODELING Cost, \$80,000
SAN FRANCISCO, 334 Mason St.

Remodel and refurnish King George Hotel (new furnishings, erect marquis, electric fixtures, magnesite flooring in baths and showers, tinting, painting, decorating, etc.)

Owner—Wilson Estate, 973 Market St. Architect—Not Given.

Contractor—J. E. Scully, Phelan Bldg.

Lessee—Mrs. B. P. Steele, St. George Hotel, 334 Mason St.

Preparing Working Drawings.

HOTEL ADDITION Cost, \$—
MERCED, Merced Co., Cal. 601 M St.

Five-story and basement reinforced concrete Class C addition to hotel (wood studs, concrete exterior walls, columns and beams).

Owner—Stanley Simonson (El Capitan Hotel), 601 M St., Merced.

Architect—Kent & Hass, 525 Market St., San Francisco.

Bids will be asked shortly after Jan. 1st, 1932.

Contract Awarded.

ELEVATOR & REPAIRS Cost, \$—
OAKLAND, Alameda Co., Calif. 22nd and Broadway.

Install new elevator and roof repairs to Key Route Inn.

Owner—Railway Equipment Company. Architect—Kent & Hass, 525 Market St., San Francisco.

Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland.

Elevator—Otis Elevator Co., 1 Beach St., San Francisco, \$8,000.

SUSANVILLE, Lassen Co., Cal.—Jamesville Inn, a hotel conducted by Lillian Powers, was destroyed by fire December 7. The loss is estimated at \$19,000. Structure was owned by Moore & Steinbrook.

POWER PLANTS

LOS ANGELES, Cal.—Bids for furnishing two oil circuit breakers under Specification No. 2659 were received by city purchasing agent, Thomas Oughton, December 4. The items are:

(1) 2 110,000 volt, 600 ampere, 1,000,000 k.v.a. solenoid operated, solenoid mounted on frame, 125 volts D. C. oil circuit breakers, including oil but not spare parts, f. o. b. bidder's shipping point;

(2) same as item (1) f. o. b. Saugus, Calif.;

(3) all necessary spare parts, f. o. b. bidder's shipping point;

(4) same as item (3) f. o. b. Saugus, Calif.

The bids follow:

Westinghouse Elec. & Mfg. Co.—(1) \$27,394, (2) \$28,235, (3) no bid, (4) no bid.

General Electric Co.—(1) \$24,440, (2) \$25,541, (3) \$1290, (4) \$1294.

Kelham Elec. & Mfg. Co.—(1) \$14,250, (2) \$14,250, (3) \$715, (4) \$720.

Pacific Elec. & Mfg. Co.—(1) \$24,660, (2) \$25,168, (3) \$1091.50 (4) \$1103.

*Bid includes spare parts. All terms net.

HEALDSBURG, Sonoma Co., Cal.—Healdsburg Lumber Co., Healdsburg, at 1512 awarded contract by the city council to furnish 40 poles for city power and light plant.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS**Completing Plans.**

MUSEUM Cost, \$100,000
SANTA ANA, Orange Co., Cal. Main and 20th Sts.

Two-story reinforced concrete and brick museum (151x60 ft.)

Owner—Bowers Memorial Museum Commission, First National Bank of Santa Ana.

Architect—W. Horace Austin, First National Bank Bldg., Santa Ana, and Frank Lansdown, 514 1/2 N. Main St., Santa Ana.

Bids will be taken about January 2.

Cement Awarded.

CEMENT EXTERIOR Cont. Price, \$645
HAYWARD, Alameda Co., Cal.

Exterior plastering of City Hall.

Owner—City of Hayward.

Plans by J. B. Holly, City Engineer, Hayward.

Contractor—F. M. Clausen, 819 Santa Ray St., Oakland.

Contract Awarded.

MUSEUM Cost, \$130,000
SAN DIEGO, San Diego Co., Cal.

Balboa Park.

Two-story and basement Class A reinforced concrete museum.

Owner—San Diego Natural History Museum.

Architect—Wm. Templeton Johnson, San Diego Trust & Savings Bank Bldg., San Diego.

Contractor—Jarboe Construction Co., Spreckels Theatre Bldg., San Diego.

CHICO, Butte Co., Cal.—Butte County Supervisors have agreed to donate to the State a portion of the Memorial Field as a site for the proposed new state armory. The site available is 160 by 250 feet.

Plans Being Prepared.

LIBRARY Cost, \$175,000
FRESNO, Fresno Co., Calif. State Teachers' College.

Brick library (terra cotta roof).

Owner—State of California.

Architect—Swartz & Ryland, Spazler Bldg., Monterey, and Brix Bldg., Fresno.

To Ask Bids December 14th.

WAR MEMORIAL Cost, \$5,000,000
SAN FRANCISCO, Civic Center.

Hollow metal, stage equipment and chairs for 4-story and basement concrete Class A Veterans' Bldg.

Owner—City and County of San Francisco (S. F. War Memorial).

Architect—G. A. Lansburgh, 140 Montgomery St. and Arthur Brown Jr., 251 Kearny St.

Mrs. of Const.—Lindgren & Swinerton, Inc., 225 Bush St.

Bids will be asked for \$250 chairs for the opera house and 1,100 chairs for the Veterans' Building.

Bids Opened.

JAIL. Cost, \$—
 BILLINGS, Montana.
 Class A Federal Jail.
 Owner—United States Government.
 Plans by Supervising Architect, Treasury Dept., Washington, D. C.
 Low Bidder—Lovering Longbottom Co., St. Paul, Minn., at \$116,900.
 Next two low bidders were:
 Chas. Wetz Sons, Inc., Des Moines, Iowa, \$117,187.
 McCough Bros., St. Paul, Minn., \$124,000.

Contracts Awarded.

MUSEUM. Cost, \$—
 PORTLAND, Oregon.
 Two-story fireproof art museum, 35x 200-ft. (Georgian type with brick and marble exterior).
 Owner—Portland Art Museum.
 Architect—A. E. Doyle & Associates, Pacific Bldg., Portland.
 General Contract
 L. H. Hoffman, Public Service Bldg., Portland \$117,750
 Heating and Ventilating
 Urban Plumbing & Heating Co., 650 Washington, Portland, \$15,262
 Plumbing
 Shea, Speidel & Riley, 174 Union Ave. N., Portland \$3095
 Electric Wiring and Conduit
 Jagger-Sroufe Co., 106 Tenth St., Portland \$2727
 Planned.
 ADDITION. Cost, \$25,000 Available
 ROSEVILLE, Placer Co., Cal.
 Addition to City Hall.
 Owner—City of Roseville.
 Architect—Not Selected.

Plans To Be Prepared.

ANNEX. Cost, \$60,000
 SACRAMENTO, Sacramento Co., Cal.
 Ninth, Tenth and I Sts.
 Annex to city hall (type of construction not determined).
 Owner—City of Sacramento.
 Architect—Not Selected.
 Construction will be financed with funds obtained through the sale of city-owned property on the southeast corner of 10th and I Sts. to the Standard Stations, Inc.

SAN LOUIS OBISPO, Calif.—County Grand Jury has recommended to the county supervisors the construction of a new county courthouse and county jail and the construction of a nurses' home addition to the county hospital. Immediate construction of the county jail, at a cost not to exceed \$65,000, is recommended.

Bids Returned Un-Opened.

FIRE STATION. Cost, \$22,000
 WOODLAND, Yolo Co., Cal.
 Two-story fire and stucco fire department bldg. in connection with city hall plant (dormitory to accommodate 10; Spanish type).
 Owner—City of Woodland.
 Architect—Chas. Dean, Sacramento.
 All bids were returned to bidders unopened. New bids will be called for at a future date.

Plans To Be Prepared.

ADDITION. Cost, \$—
 RENO, Nevada.
 Courthouse addition (will comprise county jail addition and additional wing for county offices).
 Owner—County of Washoe (H. Beaumer, county clerk), Reno.
 Architect—Not Yet Selected.
 It is probable that F. J. DeLongchamps, architect, Gazette Bldg., Reno will be commissioned to prepare plans for this work, funds for which will be available next year.

RESIDENCES

Sub-Bids Being Taken.
 RESIDENCE. Cost, \$12,000
 PALO ALTO, Santa Clara Co., Calif.
 560 Center Street.
 Two-story and basement frame and stucco residence.
 Owner and Builder—Chas. W. Kemper
 125 Bryant St., Palo Alto.
 Plans by Owner.

Plans Being Completed.

RESIDENCES. Cost, \$3000 each
 SAN FRANCISCO. Westwood Highlands.
 Three one-story and basement frame and stucco residence (6 rooms ea., gas heat, slate and tile roof, stone exterior walls, canvas walls and ceilings, electric refrigeration, hardwood floors and trim, etc., Spanish and English types).
 Owner and Builder—Stoneson Bros., 279 Yerba Buena Ave., S. F.
 Architect—Chas. Strothoff, 2274 15th St., San Francisco.
 Sub-bids will be taken in about one week.

Plans Completed.

RESIDENCE. Cost, \$12,000
 LAKEPORT, Lake Co., Cal.
 One-story and basement hollow tile and wood frame residences (3 rooms, 4 baths); shake roof, electric heat, tile and wood flooring, etc.).
 Owner—V. H. Pickney (Pres. South African Dispatch Line), 233 Pine St., San Francisco.
 Architect—William & Wastell, 374 17th St., Oakland.
 Bids will be taken in about two weeks.

Contract Awarded.

RESIDENCE. Cost, \$7000
 SAN JOSE, Santa Clara Co., Cal.
 One-story and basement frame and stucco residence (6 rooms); composition and tile roof, gas heat, hardwood floors, colored tile bath and kitchen.
 Owner—C. C. Bosch.
 Architect—Herman Krause, 243 N-9th St., San Jose.
 Contractor—M. Scaglione, 1231 Sherman St., San Jose.

Contract Awarded.

RESIDENCE. Cost, \$33,500
 SAN FRANCISCO. Seaciff District.
 Two-story and basement frame, stucco and brick veneer residence (14 rooms, 5 baths, slate roof, tile baths and kitchen, gas heating system, etc.).
 Owner—Joseph Bransteln.
 Architect—Bakewell and Weihe, 251 Kearny Street.
 Contractor—A. F. and C. W. Mattock, 212 Clara St.

Contract Awarded.

RESIDENCE. Cost, \$13,476
 SACRAMENTO, Sacramento Co., Cal.
 45th Street.
 Two-story and basement brick residence.
 Owner—W. J. McLaughlin, 2006 K St., Sacramento.
 Plans by Owner.
 Contractor—Guth & Fox, 1516 27th St., Sacramento.

Following is a complete list of bids:
 Guth & Fox, Sacramento \$13,476
 Wm. C. Keating, Sacramento 13,675
 G. D. Hudnutt, Inc., Sacto 13,925
 Gene Kenyon, Sacramento 14,643
 F. H. Betz, Sacramento 14,985
 C. J. Hopkinson, Sacramento 14,992
 N. H. Lund, Sacramento 15,488
 Joseph Pedrone, Sacramento 15,781
 Arthur J. Fisher, Sacramento 16,498

Being Done By Day's Work.

RESIDENCE. Cost, \$11,000
 SAN MATEO, San Mateo Co., Cal.
 No. 606 Crescent Avenue.
 Two-story and basement frame and stucco residence (8 rooms and 2 baths).
 Owner and Builder—R. P. Minor, 1406 Burlingame Ave., Burlingame.
 Plans by Owner.

Contract Awarded.

RESIDENCE. Cost, \$—
 SEBASTOPOL, Sonoma Co., Cal. High Street.
 Two-story and basement frame and stucco residence (3 rooms).
 Owner—T. M. Jones, N Main St., Sebastopol.
 Architect—Not Given.
 Contractor—Delos D. Downie, O'Farrell Hill, Sebastopol.

Contract Awarded.

RESIDENCE. Cont. Price, \$4500
 BERKELEY, Alameda Co., Cal. Berkeley View Terrace.
 One-story and basement frame and stucco residence (5 rooms); shingle roof, part tile bath and kitchen, hardwood floors).
 Owner—Arthur Bowron, 1104 Keith St., Berkeley.
 Architect—Ray Keefer and E. L. Herberger, 770 Wesley Ave., Oakland.
 Contractor—H. K. Henderson, 20 Avis Road, Oakland.

Sub-Bids Being Taken.

RESIDENCE. Cost, \$6500
 OAKLAND, Alameda Co., Calif. Wisconsin Street.
 One-story and basement frame and stucco residence (6 rooms, 2 baths, shingle roof, gas furnace, colored tile baths and kitchen, hardwood floors and trim, etc.).
 Owner—Ellen Petersen.
 Plans by H. K. Jensen, 354 Hobart St., Oakland.
 Contractor—A. Jensen, % architect.

Plans Being Prepared.

RESIDENCE. Cost, \$6000
 SAN FRANCISCO. Junction of Rolph and Newton Streets.
 One-story and basement frame and stucco residence (6 rooms); tile and composition roof, gas heat, colored tile bath and kitchen, hardwood floors and trim.
 Owner and Builder—W. E. Grosman, 47 Curtis St., San Francisco.
 Plans by B. E. Dobkowitz, 425 Montgomery Blvd., San Francisco.
 Sub-bids will be taken shortly.

Sub-Bids Wanted.

RESIDENCE. Cost, \$5950
 OAKLAND, Alameda Co., Calif. 5903 Monzal Avenue.
 Two-story and basement frame and stucco residence (6 rooms, tile roof gas heat, considerable brick work, colored tile bath and kitchen, hardwood floors and trim, etc.).
 Owner and Builder—R. C. McBride Jr., 4127 Broadway, Oakland.
 Architect—D. M. Crooks, 1448 Webster St., Oakland.
 Sub-bids are wanted on gas furnace, sheet metal work, electric wiring, plumbing, plastering, tile roof and mill work.

Sub-Bids Being Taken.

RESIDENCE. Cost, \$8000
 OAKLAND, Alameda Co., Calif. 6732 Ross Circle.
 1½-story frame and stucco residence (6 rooms, English type, gas furnace, hardwood floors and trim, colored tile bath and kitchen).
 Owner and Builder—Ernest W. Urch, 5817 Ross Circle, Oakland.
 Architect—Not Given.
 Sub-bids are wanted on all portions of the work. Construction will be started December 14th.

Sub-Contracts Awarded.
RESIDENCE Cost, \$10,000
PIEDMONT, Alameda Co., Calif. 16
 Alta Avenue.
 Two-story and basement frame and
 stucco residence (8 rooms, 2 baths)
 Owner—John Rosson.
 Architect—Leonard Ford, 1435 Harrison
 St., Oakland.
 Contractor—Edward Larmer, 90 Fair-
 view Ave., Piedmont.
Cement and Concrete—Frank Salamid,
 5550 Manila, Oakland.
Excavation—J. Catucci, 1212 18th Ave.
 Oakland.
Plumbing—J. H. Jevons.
Brick Work—Chas. Hunter, 1517 Ty-
 ler, Oakland.
 Sub-bids are wanted on asbestos
 shingle roof and sheet metal work.

Plans Being Figured—Bids Close Dec.
 30, 10 A. M.
RESIDENCES Cost, \$—
BOULDER CITY, Nevada.
Four 5-room residences (Spec. 553-D)
 Owner—United States Government.
 Plans by U. S. Bureau of Reclamation,
 Wilda Bldg., Denver.

Bids are being received by the U. S.
 Bureau of Reclamation at Denver. The
 residences will be one-story buildings
 without basements. All will have con-
 crete foundations and outside walls of
 timber frame construction covered on
 the outside with drop-siding over
 sheathing. Roofs will be covered with
 asphalt composition shingles. Inter-
 ior walls will be covered with gypsum
 wall board. The schedule provides for
 lump sum bids for the construction
 except excavation and concrete and
 for unit prices per cubic yards for ex-
 cavation and concrete. The installa-
 tion of plumbing and electrical facili-
 ties will be included in the lump sum
 bids for the construction of the resi-
 dences. This invitation for bids does
 not cover the purchase of materials
 which are to be furnished by the Gov-
 ernment. Materials to be furnished by
 the contractor and those furnished by
 the Government are described in the
 specifications.

Low Bidder.
RESIDENCE Cost, \$—
OAKLAND, Alameda Co., Cal. Oak-
 more Highlands.
 One-story and basement frame and
 stucco residence 6 rooms, tile
 composition roof, gas heat, colored
 tile bath and kitchen, etc.)
 Owner—Mr. Wille.
 Architect—W. E. Schirmer, 700 21st
 St., Oakland.
 Low Bidder—Fred. J. Westlund, 625
 40th St., Oakland.

Preparing Preliminary Studies.
RESIDENCE Cost, \$—
UPPER PIEDMONT, Alameda Co.
 One, two and three-story hillside
 home (7 room st. field stone and
 half timber construction).
 Owner—Withheld.
 Architect—Chas. W. McCall, 1404
 Franklin St., Oakland.

Contract Awarded.
RESIDENCE Cost, \$9000
SAN FRANCISCO, St. Francis Wood.
 Two-story and basement frame and
 stucco residence.
 Owner—Miss Dennie.
 Architect—Masten & Hurd, 210 Post
 Street.
 Contractor—Young & Horstmeier, 461
 Market Street.

Plans Being Completed.
RESIDENCE Cost, \$22,000
SAN FRANCISCO, Western Addition.
 Two-story and basement frame and
 stucco residence (8 rooms and 3
 baths; slate roof, gas steam heat-
 ing system, electrically equipped
 kitchen, electric refrigeration,
 hardwood floors and trim, colored
 tile baths and kitchen).

Owner—Withheld.
 Architect—A. H. Larsen, 447 Sutter
 Street.
 Bids will be taken in about 2 weeks.

Plans Being Figured—Bids Close Dec.
 17, 10 A. M.
PARISH HOUSE Cost, \$28,000
HAYWARD, Alameda Co., Cal.
 Two-story frame and stucco parish
 house (Spanish type).

Owner—Roman Catholic Archbishop of
 San Francisco, 1100 Franklin St.,
 San Francisco.
 Architect—W. E. Schirmer, 700 21st
 St., Oakland.
 Rev. Stephen Barron is the pastor.
 Following contractors will submit
 bids:

A. F. Hanson, Main St., Hayward.
 C. C. Moroney, 1437 Drake, Burlin-
 game.
 Cahill Bros., 206 Sansome St., San
 Francisco.
 S. Rasori, 74 New Montgomery St.,
 San Francisco.

J. Powers, Oakland.
 Thomas F. L. Furlong, 460 Jerome,
 Oakland.
 A. Cederborg, 1455 Excelsior Blvd.,
 Oakland.

Bids Opened.
RESIDENCES Cont. Price, \$11,905
BOULDER CITY, Nevada.
 Seventeen 3-room and twelve 4-room
 residences.
 Owner—United States Government.
 Plans by U. S. Bureau of Reclamation,
 Wilda Bldg., Denver.
 Low Bidder—C. F. Bengston & Son,
 Las Vegas, Nevada.

The residence will be 1-story build-
 ings without finished basements. All
 residences will have concrete founda-
 tions and outside walls of timber
 frame construction covered on the out-
 side with deep-siding over sheathing.

Following is complete list of bids:
 Wigg Constr. Co. \$12,611.75
 J. L. Bowers 14,999.00
 Wilkerson & Brunzell 15,928.00
 W. G. Leach 17,420.00
 Cunningham & Widmer 17,682.00
 Fred C. Snell 17,900.00
 E. R. Brayhill 18,303.00
 Bay & Morrill 18,333.00
 Dingle & Smith 19,970.00
 H. E. Schraven 21,004.00
 C. Wesley Taylor 22,973.20
 T. P. Schultz 26,977.00
 I. M. Sommer & Co. 34,617.00

Sub-Bids Being Taken.
RESIDENCES Cost each, \$8000
SAN FRANCISCO, Westwood High-
 lands.

Three one-story and basement frame
 and stucco residences (6 rooms ea.,
 gas heat, slate and tile roof, stone
 exterior walls, canvas walls and
 ceilings, electric refrigeration,
 hardwood floors and trim, etc.,
 Spanish and English types).

Owner and Builder—Stoneson Bros.,
 279 Yerba Buena Ave.
 Architect—Chas. Strothoff, 2274 15th
 Street.

Sub-Bids Being Taken.
RESIDENCES Cost each, \$5000
SAN FRANCISCO, Vicente Street and
 27th Avenue.

Four one-story and basement frame
 and stucco residences (5 rooms);
 composition and tile roof, gas heat,
 tile baths and kitchens, hardwood
 floors and trim, etc.

Owner and Builder—A. J. Herzog, 635
 Victoria Street.
 Architect—Not Given.

Plans Being Prepared.
RESIDENCES Cost each, \$7000
SAN FRANCISCO, 18th Avenue and
 Vicente St.

Two one-story and basement frame
 and stucco residences (7 rooms ea.,
 composition and tile roof, gas and

hot air heating system, wood sash,
 hardwood floors, colored tile baths
 and kitchens).
 Owner—S. F. Johnson, 17th Ave. and
 Vicente St.
 Architect—Chas. Strothoff, 2274 15th
 Street.
 Sub-bids will be taken in about 2
 weeks.

Sub-Bids Being Taken.
RESIDENCE Cost, \$9000
SAN FRANCISCO, St. Francis Wood.
 Two-story and basement frame and
 stucco residence.
 Owner—Miss Dennie.
 Architect—Masten & Hurd, 210 Post
 Street.
 Contractor—Young & Horstmeier, 461
 Market Street.

SCHOOLS

OAKLAND, Cal.—Until December 22
 4 P. M., new bids will be received by
 John W. Edgemond, secretary, Board
 of Education, 1025 Second Avenue, to
 furnish and install electric clock and
 program system in the Fremont High
 School at 47th Ave. and Foothill Blvd.
 Previous bids on this work were re-
 jected, these being Standard Electric
 Time Co., Oakland, \$1310; International
 Time Recording Co., San Francisco,
 \$1644; F. A. Thomas Co., Inc., San
 Francisco, \$2438. Certified check 10%
 payable to Alameda High School Dis-
 trict of Alameda County required with
 bid. Plans obtainable from the secre-
 tary on deposit of \$5, returnable.

SAN FRANCISCO.—C. F. Weber Co.
 650 Second St., at \$15.35 each, submit-
 ted low bid to the City Purchasing
 Agent, to furnish and deliver 60 li-
 brary tables for the School Depart-
 ment. Following is a complete list of
 bids received, all being taken under
 advisement:
 C. F. Weber Co. \$15.35
 Geo. Fensky Co. 15.50
 Pacific Mfg. Co. 15.70
 H. Schulte & Son 15.50
 California Mill Co. 17.75
 R. Brandelin Company 18.24
 Remington Rand Company 19.84
 Fred E. Turner Company 20.00
 Ink Ribbon Mfg. Co. 20.00
 John Schmid 20.85
 Fink & Schindler 20.90
 Brass & Kuhn Co. 21.95
 Home Mfg. Company 25.00
 Haas Wood & Ivory Works 27.15

Contracts Awarded.
LIBRARY Cost, \$97,462
CHICO, Butte Co., Cal.
 Part 1.—and 2-story brick and steel
 library and classroom building.
 Owner—State of California.

Architect—Cole and Brouhard, First
 National Bank Bldg., Chico.
 The library will be constructed with
 reinforced concrete floors and founda-
 tions, brick walls, structural steel and
 wood framed roof covered with clay
 tile roofing.

General Work
 H. Mayson, 3317 Hooper Ave.,
 Los Angeles \$82,379
Electric Work
 James B. Tufts, Chico \$3,788
Plumbing and Heating
 Woodland Plumbing and Heat-
 ing Co., Woodland \$11,295

Bids Wanted—To Close Dec. 23.
SCHOOL Cost, \$75,000
LOS ANGELES, Cal. 614 S. Soto St.
 Two-story concrete and brick school
 (18 rooms and cafeteria).
 Owner—Los Angeles Board of Educa-
 tion.
 Architect—A. F. Rosenheim, Chamber
 of Commerce Bldg., Los Angeles.

Construction To Prepare Plans.
RESEARCHERS Cost, \$55,000
BERKELEY, Alameda Co., Calif.
 Southwest of campus.
 Reinforced concrete bleachers.
 Owner—University of California.
 Architects—Goss, W. Keenan 315 Montgomery St., San Francisco.

Plans Being Prepared — Bids Close
 January 13 P. M.
SCIENCE BUILDING Cost, \$202,000
SAN JOSE, Santa Clara Co., Calif.
 Two-story reinforced concrete Natural
 Sciences Building (wood frame
 roof; clay tile roofing; brick trimmings
 on exterior).
 Owner—State of California.
 Architect—Ralph Wyckoff, Growers'
 Bank Bldg., San Jose.
 Associated Architect—Chas. McKenzie
 Twelfth Bldg., San Jose.
Mechanical Engineers — Leland &
 Haley, 55 Sutter St., San Francisco
 Bids are wanted for:
 (1) General Work, embracing all
 branches of the construction other
 than electric, plumbing and heating
 work.
 (2) Electric Work.
 (3) Plumbing Work.
 (4) Heating Work.
 (5) Combined Plumbing and Heating
 Work.

Preparing Plans.
HIGH SCHOOL Cost, \$144,000
LOS ANGELES, Cal. Tracy and St.
 George Sts.
 Two-story brick high school (24 units)
 Owner—Los Angeles City School Dist.
 Architect—George Lindsey and E. P.
 Elden, Union Insurance Bldg., Los
 Angeles.

Planned.
SCHOOL Cost, \$—
ELKO, Nevada.
 New School Building.
 Owner—Elko School District.
 Architect—Not Selected.
 H. G. Biegler, Elko, has agreed to
 donate a site 240 feet square for the
 proposed new building.

To Ask Bids In One Week.
ADDITION Cost, \$7500
ALBANY, Alameda Co., Calif. Marin
 School.
 Brick kindergarten addition to school
 (composition roof, maple floors,
 steam heat, connecting to main
 plant).
 Owner—Albany School District.
 Architect—Paul Dragoon and C. R.
 Schmidt, Mercantile Bank Bldg.,
 Berkeley.

Plans Being Completed
TRAINING SCHOOL Cost, \$160,000
ARCATA, Humboldt Co., Calif. State
 Teachers' College.
 Three-story reinforced concrete train-
 ing school (assembly hall, stage,
 manual training room, dining
 room, cooking and sewing room,
 library, art and general science,
 gymnasium, kindergarten section,
 11 classrooms, administration sec-
 tion, boiler room, etc.)
 Owner—State of California.
 Architect—F. T. Georgeson, Sixth and
 C Sts., Eureka.
 Brick and stucco exterior finish,
 concrete piers, concrete, hardwood and
 soft wood flooring, tile and composition
 roof, metal lath walls, stucco
 hardwall and metal lath plastering,
 linoleum floor covering, softwood in-
 terior trim, automatic gas and oil
 burning hot water system, steel sash,
 special windows, temperature regula-
 tion heaters, skylights, kitchen equip-
 ment, ornamental iron, blackboards,
 laboratory equipment, vault, etc. Plans
 will be completed in about two weeks.

PASADENA, Los Angeles Co., Cal.
 —All bids received by California In-

stitute of Technology for the erection
 of Chemistry and biological buildings
 at 1201 E. California St., Pasadena,
 have been rejected and plans will be
 revised. Mayers, Murray & Phillips,
 Bertram C. Goodhue associates, 2 W.
 47th St., New York City, architects.
 The chemistry building will be three
 stories and two basements, 59x129 ft.;
 the biological building will be three
 stories and basement, 56x187 feet;
 construction will be reinforced con-
 crete, plaster exterior, art stone trim,
 tile and composition roofing, tile
 corridors, cement, cork, composition
 and linoleum floors, marble work,
 wrought iron work, hollow metal doors,
 elevator in the chemistry building,
 steam heating, etc. The estimated
 cost is \$600,000.

SAN FRANCISCO. — Mahony Bros.,
 Flood Bldg., has awarded the scaffold-
 ing contract to the Steelform Con-
 tracting Co., Monadnock Bldg., in con-
 nection with the construction of the
 Girls' High School now under con-
 struction on Scott St. near O'Farrell.

BANKS, STORES & OFFICES

Completing Plans.
MARKET Cost, \$—
LONG BEACH, Los Angeles Co., Cal.
 Broadway near Lime Street.
 One-story, mezzanine floor and base-
 ment masonry market (316x180 ft.)
 Owner—Long Beach Market, Ltd., 645
 E. Broadway, Long Beach.
 Engineer—Chas. F. Whittlesey, Long
 Beach.
 Segregated bids will be taken within
 one week.

Contract Awarded.
REMODEL BLDG. Cost, \$7,000
SAN FRANCISCO, NE California St.
 and Van Ness Ave.
 Remodel present building.
 Owner—Robt. A. Smith, Inc., 301 Gold-
 en Gate Ave.
 Architect—F. H. Slocombe, 3830 Har-
 rison St., Piedmont.
 Contractor—Oakland Builders Co., %
 owner.

To Take Bids Within One Week.
STORE Cost, \$—
SAN FRANCISCO, Pacific and Taylor
 Streets.
 One-story and basement reinforced
 concrete and steel frame store
 (composition roof and conc. floors)
 Owner—Paul Kleiber, 535 Urbano Dr.
 Architect—E. A. Neumarkel, 340 Kear-
 ny Street.

Sub-Contracts Awarded.
STORE Contract price, \$6083
AKLAND, Alameda Co., Cal. Lake-
 shore Avenue.
 One-story brick store (part tile, tar
 and gravel roof).
 Owner—Lionel Hoge, 35 Muir Street,
 Oakland.
 Plans by Ray Keefer and E. L. Her-
 berger, 770 Wesley Ave., Oakland.
 Contractor—Irwin H. Reimers, 745
 Walla Vista Ave., Oakland.
Cement—Nat Lena, 1170 19th Street,
 Oakland.
Millwork—Lannon Bros., 5th and Mag-
 nolia, Oakland.
Tile—Rigney Tile Co., 3012 Harrison
 St., Oakland.
Roofing—General Roofing Co., 398 S
 Beach St., Oakland.
Brick—W. H. Wisneropp, 434 Michi-
 gan Ave., Berkeley.
Lumber—Sunset Lbr. Co., 200 High St.,
 Oakland.
Steel—Moore Drydock Co., foot Ade-
 line St., Oakland.

To Be Done By Day's Work.
ALTERATIONS Cost, \$3000
SAN FRANCISCO, No. 216 Ellis St.

Alterations to brick restaurant.
 Owner—C. H. Haggard, 737 Pine St.,
 San Francisco.
 Architect—Not Given.

Sub-Contracts Awarded.
STORE Cost, \$—
BAKERSFIELD, Kern Co., Cal. Nine-
 tenth and K Streets.
 Three-story and basement brick and
 concrete store (brick and terra
 cotta facing, composition roofing,
 structural steel, cement, hardwood
 and terrazzo floors, elevator, plate
 glass, metal fire doors, ornamental
 iron, fire escapes, gas heat, etc.)
 Owner—S. H. Kress Co., New York
 City, New York.
 Plans by Eng. Dept. of Owner.
 Contractor—Clinton Construction Co.,
 1103 Spring Arcade Bldg., Los An-
 geles and 923 Folsom St., San
 Francisco.

Steel Sash—Wigren-Lawrence Glass
 Co., 647 E. 59th St., Los Angeles.
Plastering—MacGruer & Co., 266 Te-
 hama St., San Francisco.
 As previously reported, steel award-
 ed to International Stacy Corp., Sub-
 way Terminal Bldg., Los Angeles.

Plans Being Figured—Bids Close Dec.
 16, 2:30 P. M.
HEALTH CENTER Cost, \$—
SAN FRANCISCO, Grove and Polk
 Streets.
 Terra cotta for Health Center Bldg.
 Owner—City and County of San Fran-
 cisco, S. J. Hester, Secretary of
 the Board of Public Works.
 Architect—S. Heiman, 67 Post St.
 Under the previous call for bids, only
 one bid was submitted, that of Larsen
 & Larsen, 629 Bryant St., at \$16,100.
 The bid was rejected. The new bids,
 to be received by the Board of Public
 Works will be opened December 16.
 Certified check 10% payable to the
 Clerk of the Board of Supervisors re-
 quired with bid. Plans obtainable
 from the Bureau of Architecture, 2nd
 floor, City Hall.

Roofing Contract Awarded.
ALTER BLDG. Cost, \$8000
SAN JOSE, Santa Clara Co., Calif. 25
 S Market Street.
 Alterations to type No. 3 building.
 Owner—Pacific Greyhound Lines, 5
 Main St., San Francisco.
 Plans by J. Edmund Davies, 639 How-
 ard St., San Francisco.
 Contractor—Davies Bros., 639 Howard
 St., San Francisco.
Roofing—Fred. Hayden, 369 Stockton
 Ave., San Jose.

Sub-Contracts Awarded.
ADDITION Cont. Price, \$63,330
SACRAMENTO, Sacramento Co., Cal.
 Two-story and basement reinforced
 concrete addition to State Printing
 Plant.
 Owner—State of California.
 Architect—Martin A. Sheldon, Monad-
 nock Bldg., San Francisco.
 Structural Engineer—W. L. Huber, 1
 Montgomery St., San Francisco.
 Heating Engineer—Leland & Haley,
 53 Sutter St., San Francisco.
 Contractor — W. C. Keating, Forum
 Bldg., Sacramento.
Reinforcing Steel—Gunn, Carle & Co.,
 444 Market St., San Francisco.
Steel Rolling Doors—Rolph Mills, 525
 Market St., San Francisco.
Metal Column Forms — Deslauriers
 Metal Products Co., 336 Edwood
 Ave., Oakland.
Structural Steel and Ornamental Iron
 —Palm Iron Works, 15th and S
 Sts., Sacramento.
Steel Windows—Detroit Steel Prod-
 ucts Co., Hunter-Dulin Bldg., San
 Francisco.
Terra Cotta—California Art Tile Corp.,
 1228 Folsom St., San Francisco.

Mill Work—Capital City Planing Mill, 1812 9th St., Sacramento.

As previously reported, electric work awarded to M. P. Cannon, 2708 10th Ave., Sacramento, at \$19,450; plumbing, heating and ventilating to Carpenter & Mendenhall, 907 Front St., Sacramento, at \$41,900.

The addition is to be two stories and basement with reinforced concrete foundations, floors, walls and roof slab, hollow tile partitions, brick fire wall and composition roof.

Completing Plans.
STORE & MARKET Cost, \$50,000
LOS ANGELES, Cal. 78th and Vermont Avenue.
Class C masonry market and store building (marble bulkheads, wrought iron grills, etc.)
Owner—Ralphs Grocery Co.
Architect—Russell Collins, Bartlett Bldg., Los Angeles.

Plans Being Prepared.
OFFICES Cost, \$17,000
CARMEL, Monterey Co., Cal. Dolores Street bet. 7th and 8th.
Two-story reinforced concrete office and apartment bldg. (4 apts.)
Owner—Mrs. Mary J. Williams.
Plans by Eng. Dept. of Pacific Gas & Electric Co., 245 Market St., San Francisco.
Lessee—Pacific Gas & Electric Co.

Planned.
REMODEL STORE Cost, \$—
NAPA, Napa Co., Cal. Main St.
Remodel present store.
Owner—Lisher & Ratto Co., Napa.
Architect—Not Selected.

Sub-Contracts Awarded.
STORE & LOFT Cost, \$30,000
SAN MATEO, San Mateo Co., Calif. Third Avenue.
Two-story and basement reinforced concrete store and loft building (Pabco roof, freight elevator, maple floors).
Owner—Martin Stelling and J. Gould, 155 Montgomery St., San Francisco.
Architect—Bertz, Winter and Maury, 210 Post St., San Francisco.
Lessee—J. J. Newberry Company.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.

Grading and Concrete—R. Delucchi & Son, 3007 San Bruno Avenue, San Francisco.
Steel—Judson-Pacific Co., 609 Mission St., San Francisco.

Contract Awarded.
REMODEL STORE Cost, \$2000
NAPA, Napa Co., Cal. Main Street.
Remodel store (new fronts, show rooms, etc.)
Owner—Lisher & Ratto Co., Napa.
Architect—Leroy Hunt, Second and Main Sts., Napa.
Contractor—Herbert Doughty, 1218 First St., Napa.
Construction will start January 2.

To Be Done By Day's Work.
RESTAURANT Cost, \$5000
SAN FRANCISCO, SE Van Ness Ave. and Market St.
One-story frame restaurant.
Owner—C. C. Cooper and C. Axt, 6843 Mission St., San Francisco.
Plans by Owner.

Plastering and Electrical Contracts Awarded.
REBUILD STORE Cost, \$20,000
CHICO, Butte Co., Cal. Second and Wall Streets.
Rebuild store partially destroyed by fire (Class C construction, steel frame, brick exterior, wood interior).
Owner—Louis Saroni, 725 Battery St., San Francisco.

Architect—R. Guerne DeLappe and Vladimir Ogilou, 374 17th St., Oakland.

Plastering—H. T. Brooks, Chico.

Electric—J. B. Tufts, Chico.

As previously reported elevator contract awarded to Vincent Whitney Co., 365 Market St., San Francisco; heating to Aladdin Heating Corp., 5107 Broadway, Oakland; carpentry to Geo. Pearl Durham, Calif.

THEATRES

Roofing Contract Awarded.
THEATRE Cost, \$85,000
MARTINEZ, Contra Costa Co., Calif. State Theatre.

Rebuild theatre recently destroyed by fire.

Owner—T. & D. Junior Enterprises, (M. A. Nally, Pres.), 25 Taylor St., San Francisco.

Architect—Reid Bros. 105 Montgomery St., San Francisco.

Contractor—Saith Bros., 25 Taylor St., San Francisco.

Roofing—Alta Roofing Co., 976 Indiana St., San Francisco.

Other awards will be made shortly.

Sub-Contracts Awarded.
REMODEL THEATRE Cost, \$15,000
PALO ALTO, Santa Clara Co., Cal. Remodel interior of theatre.

Owner—Fox West Coast Theatres.

Architect—Not Given.

Contractor—Alfred J. Hopper, 1769

Pleasant Valley Road, Piedmont.

Lumber—E. K. Wood Lumber Co.,

Frederick and King Sts., Oakland.

Iron Work—Frauneder Ornamental

Iron Work, 335 8th St., Oakland.

Sash and Doors—Western Door &

Sash Co., 5th and Cypress Sts.,

Oakland.

Plastering—J. D. Allison, 4130 Water-

house Road, Oakland.

Ornamental Plastering—Fred Jurg-

witz, 1632 20th Ave., Oakland.

WHARVES AND DOCKS

December 7, 1931
Additional Sub-Contracts Awarded.
SHED Contract price, \$92,648
SAN FRANCISCO, Pier 23, foot of Greenwich Street.

Steel frame shed (110x830-ft.; precast concrete wall slabs, redwood roof sheeting covered with asphalt and gravel).

Owner—State of California (Harbor Commission).

Engineer—Frank White, Ferry Bldg.
Contractor—Barrett & Hilp, 913 Harrison Street.

Painting—D. Zelinsky, 165 Grove St.
Glass—Smith Glass Co., 419 Bryant St.
Sheet Metal—Fire Protection Products Co., 1101 16th St.

Structural Steel—Harick Iron Works, 15th and Campbell Sts., Oakland.

Lumber—J. H. McCallum Lumber Co., 748 Bryant St.

As previously reported, steel sash awarded to Michel & Pfeffer Iron Wks Harrison and Tenth Sts.; cast steel to Enterprise Foundry Co., 2902 19th St.; roofing to Alta Roofing Co., 976 Indiana St.; reinforcing steel to Pacific Coast Steel Co., 20th and Illinois Sts.; pile jackets to Healy-Tilbitts Const. Co., 64 Pine St.

MISCELLANEOUS CONSTRUCTION

OAKLAND, Calif.—Until December 17, 5:30 P. M., bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, to furnish:

- (1) 130,000 gals. of gasoline;
 - (2) 12,000 gals. of kerosene;
 - (3) 4,000 gals. of lubricating oil.
- Specifications obtainable at Room 33, 512 16th St., Oakland.

Prospective Bidders.

Contracted To Build. Cost, \$100,000
SAN FRANCISCO, Pioneer Park on Telegraph Hill.

Construct concrete monumental tower (install elevator, heating and electric, concrete work, quarry tile, iron work, carpentry, ornamental tile and plumbing; provide space for restaurant in basement).
Owner—City and County of San Francisco.

Architect—Arthur Brown, Jr., 251 Kearny Street.

Following contractors have secured plans:
F. C. Amoroso, Wallace and Keith Streets.

Villadsen Bros., 417 Market St.
Anderson & Ringrose, 320 Market St.

K. E. Parker Co., 185 South Park.

Reilly & Grace, 703 Market St.

G. P. W. Jensen, 320 Market St.

H. H. Larsen Co., 64 South Park.

J. A. Bryant, Call Bldg.

MacDonald & Kahn, Financial Center Bldg.

Dinwiddie Const. Co., Crocker Bldg.

Young & Horstmeier, 461 Market St.

Barrett & Hilp, 918 Harrison St.

Monson Bros., 475 6th St.

Vogt & Davidson, Call Bldg.

John E. Hamilton and F. L. Hansen, 714 Hearst Bldg.

Bids for this work are being received by the Board of Park Commissioners, B. P. Lamb, secretary, Park Lodge, Golden Gate Park. Certified check 10% payable to the Park Commissioners required with bid. Plans obtainable from the architect on deposit of \$20.00.

Contract Awarded.
DANCE HALL Cost, \$11,000
MODESTO, Stanislaus Co., Ctl. Tenth and K Streets.

Rebuild dance hall (Class C concrete construction).

Owner—Modesto Winter Garden, 1125 Tenth St., Modesto.

Architect—Fabre & Hildebrand, 110

Sutter St., San Francisco.

Contractor—H. H. Henning, 1751 Berkeley Ave., Stockton.

PORTLAND, Ore.—Until Dec. 30, 2 P. M., bids will be received by Frank Coffinberry, city purchasing agent, for construction of garbage incinerator. Bonds of \$300,000 voted by city to finance construction. Specifications obtainable from city purchasing agent.

SANTA ROSA, Sonoma Co., Cal.—Until December 15, 12 noon, bids will be received by George P. Sanborn, County Clerk, to construct timber right-of-way fence thru Walsh property, Jenner-Mendocino County Line Highway. Specifications on file in the office of the Clerk of the Board of Supervisors. Project involves 10,000 lin. ft.

Plans Being Completed.
ALTERATIONS Cost, \$25,000
OAKLAND, Alameda Co., Cal. 3479 Piedmont Avenue.

Alterations and additions to one- and two-story mortuary (frame construction).

Owner—Hill & Kammerer, 3479 Piedmont Ave., Oakland.

Architect—Raymond De Sanno, 2534 Milvia St., Berkeley.

New front, chapel, etc. It is expected to ask for bids about January 2.

LONG BEACH, Calif.—Bids will be asked by city council to construct Berths 1 and 2, Pier A, Long Beach Outer Harbor. The work involves the construction of two berths, and to end each about 600 feet in length, reinforced concrete retaining wall, three sunken railway tracks, 12-in. cast iron water mains, 10-in. vit. clay drains.

(Continued on page 25)

Engineering News Section

BRIDGES

STOCKTON, San Joaquin Co., Calif.—U. S. War Department has granted request of San Joaquin County supervisors to extend for one year the time for beginning construction of a bridge over the San Joaquin river near Stockton. Construction was to have been started Nov. 29.

STOCKTON, San Joaquin Co., Calif.—Until Dec. 14, 11 A. M., bids will be received by Eugene D. Graham, county clerk, to move a 75-ft. steel span from McMillen Lagoon to the new site, and construct new timber approaches, and erect the moved steel span over Beaver Slough and connect the Pearson Road with the Libby Road, Road Dist. No. 1, 1 1/2 miles west of Thornton. Specifications obtainable from Julius B. Manthey, county surveyor. Certified check 10% payable to chairman of board of supervisors required with bid.

LOS ANGELES, Cal.—Until 2 P. M. Dec. 21, bids will be received by the county supervisors to construct timber and steel bridge to be built on Park Blvd. over the arm of Alamitos Bay at the Recreation Lagoon. Plans were prepared by A. H. Adams, city engineer of Long Beach. The plans call for a bridge 327 ft. in length, with one center removable steel span, 41 ft. 4 in. in length, the remainder of the spans, which are wooden, being each 20 ft. in length. Construction will require creosoted piling in 40-ft. lengths. The roadway will be 24 ft. with one 5-ft. walk. The deck will be laminated with a 4-in. asph. conc. wearing surface. Mame B. Beatty, 303 Hall of Records, clerk of the board.

SAN FRANCISCO.—Barrett & Hlip, 518 Harrison St., general contractors for the Third Street Bridge, to be financed by the City and County of San Francisco and the State Harbor Commission, have awarded the following sub-contracts in connection with that project:

Foundations.—Ben. C. Gerwick, 112 Market Street.
Steel and Machinery and Reinforcing Steel.—Pacific Coast Engineering Co., foot of 14th St., Oakland.
Electric Work.—Alta Electric & Equip. Co., 938 Howard St.

REDONDO BEACH, Los Angeles Co.—Atlas Const. Co., 39 Congress St., Pasadena, awarded contract by city council at \$13,475 for the construction of a Class A reinforced concrete viaduct complete. The structure will be 103 ft. in length, with 44 ft. roadway and 5 ft. walks. Bridge is to be built in connection with the improvement of Vincent St. The paving was awarded to Griffith Co., Nov. 5. D. L. Bundy, city engineer.

SAN MATEO COUNTY, Cal.—W. L. Proctor, 12 W 10th St., Santa Rosa, at \$4,880 awarded contract by State Highway Commission to widen reinforced concrete slab bridge across Baden Creek, near Baden. Complete unit and total bids published in our issue of November 24.

SALINAS, Monterey Co., Cal.—C. C. Gildersleeve, P. O. Box 75, Felton, at \$958 awarded contract by city council

to construct a wooden bridge across the Reclamation Ditch on California Ave. Bridge to be 56 ft. 10 in. long, 21 ft. wide. Complete bids follow:

C. C. Gildersleeve, Felton.....	\$ 958
W. E. Greene, Salinas.....	1099
F. C. Carlsen, Salinas.....	1235
J. H. Dahm, Berkeley.....	1435
C. B. Todd, Pacific Grove.....	2176

NOTICE TO CONTRACTORS CALIFORNIA.—The following special "Notice to Contractors" relating to sub-contracts on State Highway construction, effective on all state projects beginning Dec. 2, 1931, is of special interest:

Section 3

"Subletting and Assignment. The Contractor shall give personal attention to fulfillment of contract and shall keep the contract under his control. The Contractor shall not sublet or subcontract a total of more than twenty per cent (20%) of the total amount of the contract.

Before any work is started on a subcontract, the Contractor shall file with the Engineer a statement showing the work to be sublet or subcontracted, giving the names of the subcontractors and the description of each portion of the tract.

The above provision shall supplement the provisions of Section 8, article (a) "Subletting and Assignment" of the "Standard Specifications."

SAN BERNARDINO, Calif.—Engineers for the Santa Fe Railway, City of San Bernardino, and the State have completed plans for the proposed viaduct over the Santa Fe lines at San Bernardino. Est. cost, \$250,000, to be shared 50 per cent by the railway, 25 per cent by the state, and 12 1/2 per cent each by the city and county. Tentative plans include an approach from Mount Vernon Ave.

LOS ANGELES, Cal.—John Strona, Philadelphia and East End Avenue, Pomona, awarded contract by county supervisors at \$54,868 (using Douglas fir, item 2), for the construction of the Ocean Ave. bridge across the entrance to Alamitos Bay. Consolidated Steel Corp., 1200 N Main St., Los Angeles, awarded contract for structural steel at \$13,100. Structure will be a wood pile trestle, 466 ft. long, with steel girders carrying the railroad tracks. The bridge will be 40 ft. bet. curbs, with a 5-ft. walk on each side. The work will require about 250 50-ft. treated piling.

DREDGING, HARBOR WORKS & EXCAVATIONS

SACRAMENTO, Cal.—Lewis Const. Co., 210 S Vermont Ave., Los Angeles, awarded contract by U. S. Engineer, at \$15,925 or 8.35c cu. yd., for raising and strengthening an existing levee on the west side of Yolo by pass in Reclamation District No. 2068.

LONG BEACH, Calif.—Bids will be asked by city council to construct Berths 1 and 2, Pier A, Long Beach Outer Harbor. The work involves the construction of two berths, end to end each about 600 feet in length, rein-

forced concrete retaining wall, three sunken railway tracks, 12-in. cast iron water mains, 10-in. vit. clay drains, and the paving of the loading area, about 160 ft. in width, and an approach road 30-ft. wide, with 12-in. asphaltic concrete. The general contract will include all work. Cost, \$50,000. R. G. McGlone, harbor engineer.

SACRAMENTO, Cal.—Until December 15, 3 P. M., under Circular Proposal No. 32-176, Spec. No. 3947/1892, bids will be received by U. S. Engineer Office, California Fruit Building, Sacramento, to furnish, deliver and place approximately 12,000 tons of rip rap stone along the Sacramento river between the mouth of Cache Slough and Collinsville.

PORTLAND, Ore.—Oregon Bridge & Dredging Co., Board of Trade Bldg., Portland, at 11.45c cu. yd., submitted low bid to U. S. Engineer Office, Portland, for dredging the Isthmus Slough in Coos Bay, to a mean lower low water depth of 22 ft. and a width of 150 ft., involving 265,000 cu. yds. Port of Coos Bay bid 13.4c and General Construction Co., Seattle, 16.9c. Taken under advisement.

SAN DIEGO, Cal.—Until 11 A. M. Dec. 22, bids will be received by the 11th Naval District, Public Works Office, San Diego, to construct fender system from quay wall at the Naval Operating Base (Destroyer Base), San Diego, under Spec. No. 6587. The work consists of a fender system for an existing quay wall approx. 724 ft. long and includes in general the furnishing and installing of 93 creosoted timber piles, untreated timber fender wales, chocks and blocks, and bolts, washers and wire rope. Plans obtainable from Public Works Office, foot of Broadway, San Diego, on deposit of \$10.

STOCKTON, San Joaquin Co., Cal.—Until December 25, 3 P. M., under Circular Proposal No. 32-157, Specifications No. 3685, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, for dredging approximately 3,111,000 cu. yds. of material in the Stockton 26-ft. channel prism from a point just west of the northerly end of Spud Island, approximately 10 miles northeast of Stockton, to the vicinity of Camp 8, Venice Island, a distance of approximately 4.4 miles. Drawings and specifications obtainable from above office.

IRRIGATION PROJECTS

TURLOCK, Stanislaus Co., Cal.—Ed Erickson, Route 4, Box 744, Modesto, at \$5,000 awarded contract by Turlock Irrigation District to build structures and cement line 44,675 sq. ft. of ditch in Improvement District No. 9, Mountain View Ditch.

STREET LIGHTING SYSTEMS

SAN FRANCISCO.—H. C. Reid and Co., 389 Clementina Street, at \$3,975 awarded contract by Board of Public Works to install ornamental street lights in Sections D-1 and E, Alemany Blvd.

SOUTH SAN FRANCISCO, San Mateo Co., Calif.—Walker-Martin Corp., 1241 E. Florence Ave., Los Angeles, at \$15,355 awarded contract by city council to install ornamental street lighting with underground system in portions of Grand Ave. between Division St. and Spruce Ave. and Spruce Ave. between Grand Ave. and a point 25 feet north of Grand Ave., involving 46 Duplex cast iron electrolers of the Westinghouse Special California type.

SOUTH SAN FRANCISCO, San Mateo Co., Calif.—City council abandons proceedings (74) to install ornamental street lighting with underground system in Grand Ave. bet. Spruce Ave. and Mission Road and portions of Spruce Ave. and Oak Ave., involving 53 Duplex cast iron electrolers of the Westinghouse Special California type. Daniel McSweeney, city clerk.

SAN MATEO, San Mateo Co., Calif.—City council has started proceedings to install electroler system in Hayward Park section. Fifty standards formerly in use in the business section, will be installed. Plans will provide for electrolers on all streets in Hayward Park and Hayward Park Addition of San Mateo and along South Boulevard. The cost is estimated at \$25,000. E. P. Wilsey is city manager.

MACHINERY AND EQUIPMENT

OAKLAND, Alameda County, Cal.—Until December 17, 5:30 P. M., bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, to furnish 5-passenger sedan, not less than 6 cylinders. Bidders required to state allowance on old car. Specifications obtainable at Room 33, 512 16th St., Oakland.

SUNNYVALE, Santa Clara Co., Cal.—Kleiber Motor Co., 1408 Folsom St., San Francisco, at \$2330 awarded contract by Board of Trustees, Fremont Union High School, to furnish school bus. Complete bids follow:

Kleiber Motor Co.	\$2330.00
Fageol Corp.	2365.25
Moreland Motor Truck Co.	2455.00
General Motors Truck Co.	2592.00
White Truck Co.	2750.00
Mack Truck Co.	2935.00

SAN FRANCISCO—Until December 14, 3 P. M., under Proposal No. 753, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish hardware and castings during semi-annual term Jan. 1 to June 30, 1932.

OAKLAND, Cal.—Until Dec. 17, 9 P. M., bids will be received by W. V. Chappell, city clerk, to furnish and install apparatus to reclaim crank case oil. Specifications obtainable from office of city clerk.

ROSEVILLE, Placer Co., Cal.—Until January 6, 8 P. M., bids will be received by F. R. Chilton, city clerk, to furnish an automobile for Police Department. Specifications obtainable from city clerk.

RENO, Nev.—Washoe County Commissioners will expend \$10,000 in 1932 for the purchase of road building machinery. E. H. Beemer is county clerk.

VALLEJO, Solano Co., Calif.—Until Dec. 22, 4 P. M., bids will be received by Elmer L. Cave, secretary, Board of Education, to furnish one school bus. Certified check 10% payable to Russell F. O'Hara, President, Board of Education, required with bids. Spec. obtainable from office of Board of Education.

BERKELEY, Alameda Co., Cal.—Until Dec. 22, 10 A. M., bids will be received by Florence E. Turner, City Clerk, to furnish a one-half-ton truck to be used for a pound wagon. Specifications obtainable from city clerk.

SIERRA MADRE, Los Angeles Co., Cal.—Until 7:30 P. M., Dec. 16, bids will be received by city council to furnish road working machinery as follows:

- (1) One used Buffalo-Springfield special four-cylinder motor roller with 90-day guarantee;
- (2) One new or used "Caterpillar" tractor, size 30 drawbar, horsepower 25, belt horsepower 30, with 90-day guarantee (used tractor to be not over 2 years old);
- (3) One new "Caterpillar" 20 grader, standard equipment, with 8-ft. blade, tire flanges, tractor pole, draft cable.

Bidders may bid separately on any and all of the above items and separate contracts may be awarded to different bidders on any such separate bids. Elmer A. Green, city clerk.

LOS ANGELES, Cal.—Until 10 A. M., Dec. 16, bids will be received by Board of Public Works for remodeling Municipal Asphalt Plant. The work involves the construction of a 2-ton pug mill doubling the present capacity, reinforcing the frame of the plant, and installing a dust collector. The estimated cost is \$10,000. R. W. Stewart, Deputy City Engineer, room 600, City Hall is in charge of this work.

SAN FRANCISCO—Until Dec. 28, 10 A. M., under Circular No. 923-32-128, bids will be received by Quartermaster Supply Officer, General Depot, Ft. Mason, to furnish and deliver one tiering-lifting electric truck, 3,000-lb. capacity, 4-wheel steer and 4-wheel drive; two speeds forward and reverse. Overall dimensions to be approximately 33 in. wide and 93 in. long. Lift platform to be approximately 24 in. wide and 53 in. long, with 9 in. height in lowest position. With 8 or 8½-in. wheels. Overall height not to exceed 83 in.; lift to be approximately 65 in. To be complete with 24-30 volt motor, except as provided hereinafter. To be equal and similar to Model No. T-1 as manufactured by the Wright-Hibbard Industrial Electric Truck Co., Inc., Phelps, New York.

FIRE EQUIPMENT

WATSONVILLE, Santa Cruz Co., Calif.—Pacific Fire Extinguisher Co. and Seagrave Co. at \$5,800 submitted identical low bids to city council to furnish a fire truck. Complete bids follow:

Pacific Fire Extinguisher Co.	\$5,800
Seagrave Company	5,800
Mack Truck Company	6,450
American La France Corp.	6,575

Bids held under advisement until December 15.

RESERVOIRS AND DAMS

PORT COSTA, Contra Costa Co., Calif.—California Water Service Co., Federal Reserve Bank Bldg., San Francisco, will expend \$12,000 in reconstructing the dam at its reservoir at Port Costa. The work is to be completed January 15.

SAN DIEGO, Calif.—Edward Hyatt, State Engineer, has approved the city's application to build a rock-fill type dam, 197 ft. high, at the El Capitlan site. Clearing of the site will start shortly after Dec. 15 if the transfer of \$2,776,000 El Capitlan Dam funds and \$900,000 Otay pipeline funds

is approved by voters. The clearing and preparation of site will be done by force account. H. N. Savage, hydraulic engineer, prepared the plans. C. D. Marx, consulting engineer for the city; Louis C. Hill, consulting engineer for the state, and State Geologist Marlave and Charles F. Tolman, for the city, have approved the plans.

LOS ANGELES, Cal.—E. C. Eaton, chief engineer, Los Angeles County Flood Control District, has completed plans for the construction of check dams. Bids will be called within the next few weeks. The work comprises: Construction of Rock Fill Check Dams on Haines Canyon watershed; PROPOSAL NO. 1.

Construction of wire-bound rock check dams on Haines Canyon watershed, involving:

- (1) 2500 cu. yds. wire-bound rock check dams, including excavation, laying and tying of wire, backfill furnishing and placing of rock, etc.;
- (2) 5000 cu. yds. loose fill rock check dam, includ. excavation, backfill, etc.

Construction of Rock Fill Check Dams on the San Gabriel River watershed.

PROPOSAL NO. 1

Construction of wire-bound rock check dams on San Gabriel River watershed, involving:

- (1) 14,500 cu. yds. rock check dams, includ. excavation, laying and tying of wire, backfill, furnishing and placing of rock, and all other incidental costs.

PROPOSAL NO. 2

Construction of loose fill rock check dams on San Gabriel River watershed, involving:

- (1) 40,000 cu. yds. loose fill rock check dams, includ. excavation, etc.

PIPE LINES, WELLS, ETC.

SACRAMENTO, Cal.—Until Dec. 14, 10 A. M., bids will be received by Harry W. Hall, county clerk, for the boring of a well at the County Home for the Aged on Franklin Blvd. Bids must be accompanied by a certified check for 10%. Specifications are on file in the office of the County Engineer. 2

SACRAMENTO, Cal.—Until December 14, 3 P. M., under Circular Proposal No. 32-183, Specifications No. 3967/1887, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to furnish welded dredge pipe as follows:

- (1) 1 discharge pipe, 21" O.D.xs' 4½" long;
- (2) 1 discharge pipe, 21" O.D.x11' 7½" long;
- (3) 1 discharge pipe, 21" O.D.xs' 1" long;
- (4) 1 discharge pipe, 21" O.D.xs' 7" long.

LOS ANGELES, Cal.—Bids for furnishing electric welded oxy-acetylene steel water pipe under Spec. No. 2674, opened by city purchasing agent, Thos. Oughton, Dec. 7, follow:

- (1) 3600 lin. ft. 40-in. inside diameter welded steel water pipe;
- (2) 6800 lin. ft. 30-in. inside diameter welded steel water pipe; Western Pipe & Steel Co. B dipped
- (1) \$5.40 (2) \$4.50, terms net.
- Western Pipe & Steel Co. A dipped
- (1) \$5.70 (2) \$4.70.
- Consolidated Steel Corp., A dipped
- (1) \$5.83 (2) \$4.86, terms net.

VENTURA, Ventura Co., Cal.—Until 7:30 P. M., Dec. 14, bids will be received by city council for drilling water well on city water reservation below Pierpont Bluff. The well will be standard type, using 16-in. and 12-in. casing, about 1000 ft. in depth.

Chas. W. Pettit and E. E. Everett, consulting engineers, prepared the specifications.

SEWERS AND SEWAGE DISPOSAL PLANTS

SAN MATEO, San Mateo Co., Cal.—City Council rejects all bids to furnish and install sewage pump, motor and control equipment at septic tank. Equipment will be purchased in open market. Complete bids follow:
American Well Works, S. F., \$ 627
Byron-Jackson, Berkeley..... 730
Wesco Pump Sales Co., S. F., 730
Star Delta Elec. Works, S. F., 1115
Nash, Engelhardt, Silva Mfg. Co., San Jose..... 1120

BERKELEY, Alameda Co., Calif.—Lee J. Immel, 731 Evelyn Ave., Berkeley, at \$732.00, awarded contract by city council to install a sewer in Colusa and Visalia Sts., involving:
(1) 205 ft. 12-in. pipe;
(2) 100 ft. 10-in. pipe;
(3) 4 catchbasins;
(4) 1 manhole.
Complete bids follow:
(A) L. J. Immel, Berkeley.....\$732.90
(E) G. Ferrabee, Berkeley..... 732.50
(C) Martin Murphy, Berkeley..... 854.50
(D) Cambar & Gardner Co., San Leandro..... 942.75

	(A)	(B)	(C)	(D)
(1)	\$ 1.98	\$ 1.70	\$ 1.50	\$ 2.15
(2)	1.33	1.60	1.37	2.05
(3)	52.00	60.00	90.00	58.00
(4)	46.00	55.99	50.00	65.00

OAKLAND, Cal.—Robert B. McNair, 3745 Rhoda Ave., Oakland, at \$13,992.90 submitted low bid to city council for construction of a drainage structure on Russett St., involving:
(1) 1809 lin. ft. 42-in. reinf. concrete pipe conduit;
(2) 499 lin. ft. 36-in. do;
(3) 89 lin. ft. 24-in. do;
(4) 49 lin. ft. 21-in. do;
(5) 5 brick manholes with conc. base and cast iron top;
(6) 1 brick manhole with cast iron top.

Total bids follow:
(A) Robt. B. McNair, Oakland, \$13,992.90.
(B) Lee J. Immel, Berkeley, \$14,225.45.
(C) W. H. Hauser, Oakland, \$15,973.50.
(D) Martin Murphy, Berkeley, \$16,031.80.
(E) W. H. Larson, Berkeley, \$16,093.
(F) U. E. Lee, San Leandro, \$16,678.89
(G) W. J. Tobin, Oakland, \$16,851.78.
(H) Healy-Thibault Co., San Francisco, \$17,594.50.
(I) W. A. Kettlewell, Oakland, \$21,487.70.

	(1)	(2)	(3)	(4)	(5)	(6)
(A) \$5.88	\$5.36	\$3.10	\$2.81	\$43.75	\$49.00	
(B)	6.00	5.30	3.00	2.75	55.00	50.00
(C)	6.90	5.30	2.80	2.50	80.00	75.00
(D)	7.00	5.20	3.00	3.00	60.00	60.00
(E)	7.00	5.50	2.90	2.60	50.00	50.00
(F)	7.00	5.90	3.71	3.40	100.00	70.00
(G)	7.30	5.77	3.13	2.72	60.00	55.00
(H)	7.50	5.60	4.00	3.90	90.00	80.00
(I)	9.30	7.00	5.00	4.00	90.00	80.00

Bids held under advisement.

LAGUNA BEACH, Orange Co., Cal.—City votes bonds of \$180,000 to finance construction of a sewage disposal system and treatment plant, exclusive of laterals to be built under the assessment district plan. Plans for the Currie Eng. Co., Andreson Bldg., San Bernardino. The work to be done under the bond issue includes the treatment plant, with pumping plant, a building to house both plants, and about three miles of trunk lines. The estimated cost is \$150,000. The pro-

posed plant has been designed to handle the sewage of 10,000 population. Frank Gowan is the city engineer of Laguna Beach.

WHITTIER, Los Angeles Co., Cal.—Until 7:30 P. M., Dec. 7, bids will be received by city council to construct concrete lined storm drain with trash racks, concrete spillway, and appurtenances, at the Greenleaf Reservoir. The work involves approximate quantities as follows:

- (1) 10,100 sq. ft. 4-in. cem. conc. lining
- (2) 850 sq. ft. 6-in. concrete lining;
- (3) trash racks.

Bids will be for a lump sum. Certified check or corporate surety bond, 10%. M. R. Bowen, city engineer. Mrs. Debbie E. Allen, city clerk.

WATERWORKS

SANTA ANA, Orange Co., Cal.—Plans for a distributing system in Orange County Water Works Dist. No. 5, located at Westminster, are being completed by Nat H. Neff, County Road Commissioner. The system will involve approximately 17,000 ft. of cast iron pipe, of 2-in., 4-in., and 6-in. diameter. Bids will probably be taken in about two weeks through the office of the County Purchasing Agent, F. W. Slabaugh, Court House Annex, Santa Ana. Contract for the pump will be let shortly. A contract for furnishing a steel tank, of approximately 100,000 gallons capacity, has been awarded to the Pittsburgh-Des Moines Steel Co. at \$4990.

BURBANK, Los Angeles Co., Cal.—Until 7:30 P. M., Dec. 15, bids will be received by city manager V. S. Patterson, for furnishing f. o. b. trench-side cast iron pipe as follows:

- (1) 4800 ft. 10-in. C. I. pipe, class B, AWWA specifications, or class 200 with a minimum wall thickness of 0.48 in.;
- (2) 2000 ft. 10-in. C. I. pipe, class C AWWA specifications, or class 250, USGM specifications No. 527;
- (3) 1 6-in. to 4-in. reducer, SBE;
- (4) 3 10-in. to 8-in. reducer, SBE;
- (5) 1 10-in. by 4-in. cross, all-bell;
- (6) 1 10-in. by 8-in. cross, all-bell;
- (7) 1 10-in. by 10-in. cross, all-bell;
- (8) 10 10-in. by 10-in. by *-in. tees, all-bell;
- (9) 2 10-in. by 10-in. by 10-in. tees, all-bell;

Fittings to be of AWWA specifications. The above items to be cement mortar lined as per tentative specification for cement mortar lined cast iron pipe and fittings published by the Cast Iron Pipe Research Assn., Nov. 1930. Proposals submitted to state prices of individual items.

WOODLAND, Yolo Co., Calif.—City trustees, with a view to creating employment, have ordered a survey of municipal water distributing system with a view to installing larger mains in various sections of the city to provide better water facilities for domestic and fire protection purposes.

SAN FRANCISCO.—Until Dec. 21, 8 P. M., bids will be received by Frank T. Kennedy, secretary, Board of Fire Commissioners, 2 City Hall, for the repairs and furnishing of materials for the Port Pumping Units on the fireboat "Dennis T. Sullivan" of the San Francisco Fire Department. Specifications and further information obtainable from above office.

FRESNO, Fresno Co., Cal.—County supervisors reject all bids opened November 27 to construct the San Joaquin River Pumping Plant and pipe line for the Wish-i-ah Sanatorium at

Auberry. New specifications will be prepared by Chris Jensen, county surveyor, and new bids called for. Complete bids published in issue of December 4.

CONTRA COSTA COUNTY, Calif.—December 23 has been set by Kensington, El Cerrito and San Pablo districts to be on annexation to East Bay Municipal Utility District. If election carries, pipe line will be built by the East Bay Municipal Utility District into the annexed territory.

EL CENTRO, Imperial Co., Calif.—City council will ask bids at once to furnish and deliver one carload of cast iron water pipe for water system extensions in the northwest section of the city.

MARCH FIELD, Riverside Co., Cal.—Vernon Elder Corp., 333 E Third St., Los Angeles, submitted low bid to constructing quartermaster at March Field for the installation of deep-well turbine pump with electric control, a pump house, and 675 feet of discharge pipe at March Field. The bids were: (1) 1760 r.p.m., \$4933; (2) 1160 r.p.m., \$5048.

DENVER, Colo.—Hardie-Tynes Mfg. Co., Birmingham, Ala., awarded contract by U. S. Bureau of Reclamation, Denver, at \$13,850 (f. o. b. Birmingham), for furnishing the department two 132-in. Butterfly valves, with operating mechanisms complete; Specifications No. 540-D. The complete list of bids (showing delivery point following bidder's name), follows:

Footo Bros. Gear & Machine Co., Chicago, Ill., \$15,300.
American Locomotive Co., Dunkirk, New York, \$17,329.
Stacey Schmidt Mfg Co., York, Pa., \$18,000.
Gosling Birmingham Mfg Co., Birmingham, Ala., \$18,800.
Aldrich Pump Co., Allentown, Pa., \$19,996.
Treadwell Engineering Co., Easton, Pa., \$19,830.
John Mohr & Sons, Inc., Chicago, Ill., \$21,378.
Midvale Co., Nicetown, Pa., \$28,800.
Commercial Iron Yarks, Portland, Ore., \$26,167.
Newport News Shipbuilding & Drydock Co., Newport News, Va., \$30,510.
Joshua Hendy, Sunnyvale, Calif., \$30,986.
American Engineering Co., Philadelphia, Pa., \$54,790.

OAKLAND, Calif.—American Cast Iron Pipe Co., Balboa Bldg., San Francisco, at \$33,845 submitted low bid to East Bay Municipal Utility District to furnish approximately 78,000 ft. of cast iron pipe as follows:

- (1) 25,000 ft. 8-in.;
- (2) 20,000 ft. 6-in.;
- (3) 25,000 ft. 4-in.;
- (4) 8,000 ft. 2-in.

Total bids follow:
(A) American Cast Iron Pipe Co., \$33,845
(B) Pacific States Cast Iron Pipe Company..... 33,850
(C) U. S. Pipe & Steel Co..... 34,995 (if awarded all items)..... 34,545
(D) National Cast Iron Pipe Co., 37,940
(E) R. D. Wood Co., by Utilities Equip. Corp.....

	(A)	(B)	(C)	(D)	(E)
(1)	\$1.61	\$63	\$64	\$74	\$637
(2) .....	.41	.42	.43	.49	.42
(3) .....	.355	.33	.355	.32	
(4) .....	.19	.183	.19	.205	

Bids held under advisement until December 9.

ARCADIA, Los Angeles Co., Cal.—U. S. Pipe & Foundry Co., Los Angeles, awarded contract by city council

for furnishing cast iron pipe as follows: 2500 ft. 6-in. class 150, at 42.55c. ft.; 2500 ft. 8-in., class 150, at 59.15c. ft.

CONCORD, Contra Costa Co., Cal.—Edward M. Gillerman, Sharon Bldg., San Francisco, awarded contract by California Water Service Co., Federal Reserve Bank Bldg., San Francisco, to install 10,500 ft. of piping in connection with water system in Concord from 6th St. and Concord Blvd. to the Farm House Road. A pumping plant and storage tank is included in the contract.

OAKLAND, Cal.—Until December 17 5:30 P. M., bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, to furnish 600 lin. ft. 36-in. reinforced concrete pipe for the outfallway of Lafayette Reservoir. Specifications LS 72 obtainable at Room 33, 512 16th Street, Oakland.

SANTA ANA, Orange Co., Calif.—Pittsburgh-Des Moines Steel Co., 433 E 3rd St., Los Angeles, awarded contract by county supervisors for furnishing two hemispherical bottom water tanks, as follows:

One to be erected at the county hospital at \$5495.

One in County Water Works Dist. No. 5, Westminster, at \$4990.

BREA, Orange Co., Cal.—Complete bids received by city council to furnish cast iron pipe and fittings are as follows:

- | | |
|--|--|
| (1) 10,000 ft. 4-in. c. i. pipe, class 150 | |
| (2) 3,500 ft. 6-in. do; | |
| (3) fittings. | |

	(1)	(2)	(3)
Natl. C. I. Pipe.....	\$274	\$394	\$.04
J. C. Blystone.....	274	394	\$.04
Grinnell Co.....	302	42	
American C. I.....	328	435	\$.04
Utilities Eng. Co.....	367	422	77.00 (ton)
C. G. Clausen.....	301	438	
U. S. Foundry.....	278	398	77.00 (ton)
Southwest Fdy.....			\$172.32 (L.S.)
Reliable Iron Co.....			\$180.28 (L.S.)

Bids held under advisement.

WALDPOR, Ore.—Until Dec. 19, 8 P. M., bids will be received by Arthur R. Hodge, city recorder, to furnish and deliver steel or cast iron water pipe as follows:

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|-----------------------------|
| 3,200 lin. ft. 6-in. dia.; |
| 20,200 lin. ft. 4-in. dia.; |
| 6,000 lin. ft. 3-in. dia.; |
| 2,500 lin. ft. 2-in. dia. |

Certified check 5% payable to City Treasurer required with bid. Specifications on file in office of clerk and obtainable from H. L. Gilbert, engineer, 707 Couch Bldg., Portland, Ore.

SACRAMENTO, Cal.—Until Dec. 17, 8:15 P. M., bids will be received by H. G. Denton, city clerk, to furnish cast iron pipe fittings as follows:

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|--|
| (1) 30 4-in. c. i. all fl. T's; |
| (2) 20 only 4-in. c. i. 45-deg. b.s.s./L's |
| (3) 40 4-in. c. i. 90-deg. do; |
| (4) 30 6-in. c. i. 22½-deg. do; |
| (5) 30 6-in. c. i. 45-deg. do; |
| (6) 30 6-in. c. i. 90-deg. do; |
| (7) 10 8-in. c. i. 22½-in. do; |
| (8) 10 8-in. c. i. 45-deg. do; |
| (9) 10 8-in. c. i. 90-deg. do; |
| (10) 40 6x6-in. c. i. all bell T's; |
| (11) 20 8x6-in. c. i. all bell T's; |
| (12) 6 4-in. c. i. offsets. |

SANTA CRUZ, Santa Cruz Co., Cal.—California Corrugated Culvert Co., 620 Market St., San Francisco, at \$2,227 submitted low bid to city council to furnish 2000 ft. of 14-in. welded pipe to replace portions of water system, as follows:

- | |
|--|
| (1) 1000 ft. 10-gauge 14-in. welded pipe |
| (2) 1000 ft. 12-gauge 14-in. do |

Complete bids follow:
California Corrugated Culvert Co.,

San Francisco, (1) \$1,031 (2) \$1,196 total \$2227.

Western Pipe & Steel Co., San Francisco, (1) \$1,196 (2) \$1,236 total \$2332.

Montague Pipe & Steel Co., S. F., (1) \$1,100 (2) \$1,236 total \$2336.

West Coast Pipe & Steel Co., Los Angeles, (1) \$1,126 (2) \$1,600 total \$2726.

SEATTLE, Wash.—Until Dec. 11, bids will be received by Board of Public Works to construct overflow pipe line from West Seattle reservoir and the West Seattle low service tanks, involving:

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|--|
| 6,400 ft. steel or concrete pipe, of which 5,500 ft. will be 36-in. and 900 ft. 24-in. |
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Plans obtainable from the secretary of the board.

MARYSVILLE, Yuba Co., Cal.—City council plans to invite Elliott Lake by installation of pumping system and construction of cement sidewalks along east edge of B St.

OAKLAND, Alameda Co., Cal.—Until December 16, 5 P. M., bids will be received by Charles G. Hyde, Secretary, Board of Trustees of Alameda County Mosquito Abatement District, for furnishing of all necessary labor, material, etc., to construct drain ditches, installation of culverts and accessory structures, repair dyke and incidental construction in Eden Township. Project involves:

- | |
|-----------------------------------|
| 21,039 cu. yds. ditch excavation; |
| (2) 326 cu. yds. extra fill; |
| (3) 10 culverts with gates. |

Certified check 25%, payable to Treasurer of Alameda County, required with bids.

Specifications obtainable upon deposit of \$10, returnable, from Harold Gray, engineer, Hall of Records.

GLENDAL, Los Angeles Co., Cal.—Southwest Foundry & Machine Co., 1481 Water St., Long Beach, awarded contract by city council at \$65 per ton for furnishing 22 tons bell and spigot cast iron fittings to the public service department.

FRESNO, Fresno Co., Cal.—Wilson Machinery Co., 919 18th St., Oakland, at \$6,497.20 submitted low bid to the county supervisors November 27 to construct the San Joaquin River Pumping Plant and Pipe Line for the Wish-i-ah Sanatorium. Project involves One deep well turbine pump, 100 gallons per minute capacity against a head of 120 ft., suction column 30 ft.

One booster pump, 100 gals. per minute capacity against a head of approximately 1200 ft., with motor and complete equipment. Approximately 4250 lin. ft. of discharge pipe line to reservoir; 4-in. internal diameter, of sufficient strength to withstand approximately 1200 foot head plus impact.

Complete bids follow:

- | |
|----------------------------------|
| (A) Booster Pump Make; |
| (B) Booster Pump Type; |
| (C) Horse Power; |
| (D) Pump Bid; |
| (E) Unwrapped Pipe; |
| (F) Wrapped Pipe; |
| (G) Total Bid with Wrapped Pipe. |

Wilson Machinery Co., Oakland, (A) no data; (B) Cent.-3 Stage; (C) 50; (D) \$2902; (E) \$80; (F) \$84; (G) \$6,497.20.

C. Dudley DeVilbiss, San Francisco, (A) (B) (C) (D) \$3514; (E) \$76; (F) \$83; (G) \$7356.40.

Coast Elec. Service, San Jose, (A) Gardner-Denver; (B) Plung.-4½x10; (C) 40; (D) \$4479.60; (E) (F) (G) \$8191.60.

E. W. Redman, Fresno, (A) (B) (C) (D) (E) (F) (G) \$1553; (G) \$8493.40.

E. W. Redman, Fresno, alternate, (A) Bean; (B) Turb. (C) (D) \$3,325; (E) (F) (G) \$9873.40.

E. W. Redman, Fresno, alternate, (A) Hancock; (B) Plung.-10½x10; (C) \$314; (D) (E) (F) (G) \$8995.10.

E. W. Redman, Fresno, alternate, (A) Hawthorne; (B) Plung.-10½x10; (C) \$314; (D) (E) (F) (G) \$8995.10.

E. W. Redman, Fresno, alternate, (A) Pelton (Johnson-Larner valve); (B) Cent. (C) 75; (D) \$3445; (E) (F) (G) \$9993.40.

E. W. Redman, Fresno, alternate, (A) Pelton; (B) (C) (D) (E) (F) (G) \$3,325; (H) E. Connor, Redwood City (A) (B) (C) (D) (E) (F) (G) \$1,149; (F) \$1,544; (G) \$10,341.20.

Thompson Bros., Fresno, (A) (B) (C) (D) (E) (F) (G) \$1,553; (G) \$10,554.00.

Thompson Bros., Fresno, alternate (A) (B) (C) (D) (E) (F) (G) \$1,553; (G) \$10,554.00.

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Thompson Bros., Fresno, alternate (A) (B) (C) (D) (E) (F) (G) \$1,553; (G) \$10,554.00.

REDWOOD CITY, San Mateo Co., Cal.—County supervisors have abandoned the proposal to surface the La Honda Road from the County Memorial Park to Pescadero. It is probable that the improvement will be given further consideration early next year.

SAN BERNARDINO COUNTY, Cal.—Healy-Tibbitts Const. Co., 64 Pine St., San Francisco, which concern was awarded contract by State Highway Commission to grade and surface with oil treated selected material, 10.9 mi. between Devere and Alray on the Cajon Pass Road, has assigned the contract to J. B. Holland, Inc., 1834 McKinnon Ave., San Francisco. Contract was awarded to Healy-Tibbitts Const. Co. at \$321,514. Complete list of unit and total bids received on this project published in issue of November 6.

VALLEJO, Solano Co., Cal.—Property owners petition city council to pave streets in sub-division on east outskirts of the city, including Tennessee, Alabama, Louisiana, Ohio, Amador and Halliday Sts. and Morningside Ave. and Springs Road. Referred to City Engineer T. D. Killenny for report.

SANTA BARBARA, Cal.—Until 5 P. M., Dec. 17, bids will be received by city council to improve West Soia St. between Castillo St. and Euclid Ave., involving grading, paving, gutters, driveways, resetting stone curb and removal of oil macadam gutter. E. B. Brown, city clerk. Certified check or bond, 10%.

CALIFORNIA.—The following special "Notice to Contractors" relating to sub-contracts on State Highway construction, effective on all state projects beginning Dec. 2, 1931, is of special interest:

Section 3

"Subletting and Assignment. The Contractor shall give personal attention to fulfillment of contract and shall keep the contract under his control. The Contractor shall not sublet or subcontract a total of more than twenty per cent (20%) of the total amount of the contract.

Before any work is started on a subcontract, the Contractor shall file with the Engineer a statement showing the work to be sublet or subcontracted, giving the names of the subcontractors and the description of each portion of the work to be so sublet or subcontracted.

The above provision shall supplement the provisions of Section 8, article (a) "Subletting and Assignment" of the "Standard Specifications."

ORANGE COUNTY, Cal.—Jahn and Bressi, Lane Mortgage Bldg., Los Angeles, at \$356,322.75 awarded contract by State Highway Commission to grade and pave with Portland cement concrete 5.5 miles between Corona Del Mar and Laguna Beach. Complete total and unit bids published in issue of December 3.

SAN GABRIEL, Los Angeles Co., Cal.—Hall-Johnson Co., 903 Westminster St., Alhambra, at \$25,000 awarded contract by the Bradbury Estate Co., 433 S Spring St., Los Angeles, to improve Leslie Drive and other streets in Tract No. 9223, involving 3-in. asphalt, conc. pavement; cem. conc. curbs, walks, gutters.

LASSEN COUNTY, Cal.—California Const. Co., 715 Standard Oil Bldg., San Francisco, at \$17,937.30 awarded contract by State Highway Commission

to grade and surface with crusher run base and bituminous treated crushed gravel or stone surfacing (plant mix) 5.2 miles between Willards and Susanville. Complete total and unit bids published in issue of December 3.

STOCKTON, San Joaquin Co., Cal.—Pereira & Reed, 545 Roosevelt Ave., Tracy, at \$5865 awarded contract by county supervisors to grade and surface Leffler Road No. 571, 2.2 miles in length, involving:

- (1) 2000 cu. yds. grading;
- (2) 4000 cu. yds. shoulder material;
- (3) 1000 tons base rock;
- (4) 2000 tons top rock.

Complete total bids follow:

- (A) Pereira & Reed, Tracy.....\$5865
- (B) Willard & Brasolli, Stockton 6680
- (C) C. W. Woods, Stockton.....6700

PASADENA, Los Angeles Co., Cal.—City rejects bids to furnish motor propelled street sweeper. New bids will be asked. Bessie Chamberlain is city clerk. 24

LOS ANGELES, Cal.—Until 10 A. M., Dec. 16, bids will be received by board of public works for grading, paving and otherwise improving the streets in Venice Blvd. and West Blvd. Imp. Dist., involving in the main:

- 18,668 cu. yds. excav. and 5976 cu. yds. fill;
- 207,293 sq. ft. 8-in. comp. conc. pave.;
- 60,350 sq. ft. do (varying thickness average 7½-in.);
- 166 tons asphalt conc. wearing surface;
- 233 tons asphalt conc. base;
- Curbs, walks, storm drain, sanitary sewer, etc.

EUREKA, Humboldt Co., Calif.—C. D. Kemp at \$1,715 cu. yd., submitted low bid to county supervisors to furnish 1,000 cu. yds. or more gravel for use on county roadways. Mercer-Fraser Co., only other bidders at \$1.88 cu. yd. Taken under advisement.

SAN FRANCISCO.—Fay Imp. Co., Phelan Bldg., at \$2,808 awarded contract by State Board of Harbor Commissioners for paving the north end of the Embarcadero, involving approximately 45,000 square feet of asphalt pavement covered with 1½-inch Tokpa wearing surface (600 tons). Following is a complete list of bids:

- Fay Improvement Co., per ton.....\$4.68
- Pacific States Con. Co.....5.58
- A. J. Raisch.....6.66

OAKLAND, Cal.—Heafey-Moore Co., 344 High St., Oakland, at \$21,938.79 submitted low bid to city council to improve portions of Hampton Road and Estates and Wood Drives, involving:

- (1) 10,992 cu. yds. excavation;
- (2) 71 lin. ft. concrete curb;
- (3) 68,710 sq. ft. concrete pavement;
- (4) 4 storm water inlets;
- (5) 117 lin. ft. 12-in. conc. pipe conduit;
- (6) 74 lin. ft. 15-in. do;
- (7) 10 lin. ft. 8x24-in. corrugated iron culvert;
- (8) 1 concrete manhole;
- (9) 29 cu. yds. concrete retaining wall.

Total bids follow:

- (A) Heafey-Moore Co., Oakland, \$21,938.79.
- (B) Hutchinson Co., Oakland, \$23,024.91.

Unit bids follow:

	(A)	(B)
(1)	\$.55	\$.70
(2) .....	.50	.51
(3) .....	.199	.21
(4)	60.00	45.00
(5)	1.70	1.35
(6)	2.20	1.67
(7)	4.00	3.60
(8)	15.00	19.50
(9)	15.00	12.00

Bids held under advisement.

VENTURA, Ventura Co., Cal.—City council calls election for January 7 to vote on proposition to issue bonds of \$100,000 to finance construction of the Meta street cut-off.

VENTURA, Ventura Co., Cal.—An election will be held Jan. 7 to vote on a \$100,000 bond issue to provide funds for the city's contribution toward the Meta St. cut-off project. The project is estimated at \$35,000, of which the state and county will contribute \$25,000.

MONTREY, Monterey Co., Cal.—As part of its 1932 street improvement program the city council plans to:

- (1) widen Fremont St. to 80 ft. Rights of way are being purchased.
- (2) pave Miras Ave. Rights of way have been secured.
- (3) pave Abrego St. extension. Street already graded by street department.
- (4) pave Alvarado St. extension. Funds already allocated.
- (5) pave Scott St. extension. Funds are available.

R. M. Dorton, city manager.

CAKLAND, Cal.—Heafey-Moore Co., 344 High St., Oakland, at \$9,429.98 submitted low bid to city council to improve 73rd Ave. from Hillmont Dr. to Simson St., involving:

- (1) 874 cu. yds. excavation;
- (2) 249 lin. ft. concrete curb with steel guard;
- (3) 1,259 lin. ft. concrete curb without guard;
- (4) 278 sq. ft. gutter;
- (5) 29,640 sq. ft. concrete pavement;
- (6) 225 sq. ft. asphalt conc. pavement;
- (7) 1,050 sq. ft. resurface pave. and gutter;
- (8) 274 sq. ft. sidewalk;
- (9) 93 lin. ft. 15-in. conc. pipe conduit;
- (10) 43 lin. ft. 10-in. do;
- (11) 2 storm water inlets, type B;
- (12) 1 storm water inlet, 21-in. opening.

Total bids follow:

- (A) Heafey-Moore, Oakland, \$9,429.98
- (B) W. H. Hauser, Oakland.....9,983.33
- (C) L. J. Immel, Berkeley.....10,163.45
- (D) W. H. Larson, Berkeley, 10,530.97
- (E) U. B. Lee, San Leandro, 12,754.13

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	\$.30	\$.33	\$.35	\$.36	\$.60
(2) .....	.60	.65	.60	.65	.60
(3) .....	.40	.45	.50	.45	.50
(4) .....	.25	.25	.27	.25	.25
(5) .....	.19	.185	.20	.21	.215
(6) .....	.24	.25	.25	.25	.25
(7) .....	.10	.12	.10	.12	.12
(8) .....	.14	.15	.16	.15	.16
(9)	1.70	1.50	1.60	1.50	1.50
(10)	1.35	1.00	1.20	1.00	1.00
(11)	85.00	75.00	45.00	60.00	85.00
(12)	40.00	40.00	30.00	40.00	50.00

Bids held under advisement.

RENO, Nevada.—Washoe County Commission propose to expend \$120,000 in road improvements during the year 1932. The budget for the Reno district calls for the expenditure of \$16,000 on new construction, \$51,000 for grading and oil surfacing existing roads and \$40,000 for maintenance and operation; \$10,000 is set aside for the purchase of equipment and \$3,000 for engineering costs. The budget allots \$15,000 for road work in the Gerlach district and \$5,000 for road work in the Vya district. The program for the Reno district calls for 2½ miles of new construction on the Galena creek road between the Carson highway and Galena creek, to cost \$9,000, reconstruction of the Wedekind road to cost \$3,000, reconstruction of the old South Verdi road from California avenue to the Caughlin ranch to cost \$3,000, reconstruction of the Mill street road to Glendale to cost \$1,000. The

oil surfacing and grading program includes the expenditure of \$11,250 on the Galena creek highway from the Virginia road to Galena creek, five and one-half miles; oil surfacing the South Verdi road from California avenue to the Caughlin ranch, two and one-half miles at a cost of \$3750; oil surfacing of Wedekind road for five miles at cost of \$7500; oil surfacing and grading of Mill street to Glendale road, five miles, at a cost of \$9500.

SANTA ROSA, Sonoma Co., Cal.—Until December 15, 12 noon, bids will be received by George P. Sanborn, County Clerk, to construct timber right-of-way fence thru Walsh property, Jenner-Mendocino County Line Highway. Specifications on file in the office of the Clerk of the Board of Supervisors. Project involves 10,000 lin. ft.

ARIZONA STATE.—State Highway Department has issued the following notice to contractors:

To all Highway Contractors interested in bidding on Arizona Highway Department jobs:

Subject to an order issued by the Arizona Highway Commission, it will be necessary for all Contractors bidding or contemplating bidding on road projects advertised by the Arizona Highway Department to be let after January 1, 1932, to submit a revised Financial Statement, corrected to the above date. Also, to revise their statements every three (3) months thereafter, if it is your intention to bid on any job being let within that period. The Financial Statements must be checked and sworn to by a Certified Public Accountant.

C. C. Small, Deputy State Engineer.

MISCELLANEOUS CONSTRUCTION

(Continued from page 19)

and the paving of the loading area, about 160 ft. in width, and an approach road 30-ft. wide, with 12-in. asphaltic concrete. The general contract will include all work. Cost \$80,000. R. G. McGlone, harbor engineer.

Prospective Bidders.

PIER EXTENSION Cost, \$——
SAN FRANCISCO. Pier No. 44.
170-ft. extension to Pier No. 44 (creosoted piles, timber construction); and connecting wharf 15-ft. wide bet. Piers Nos. 42 and 44 (timber construction).

Owner.—State of California (Harbor Commission).

Engineer.—Frank G. White, Ferry Bldg. Following contractors have secured plans:

Ben. C. Gerwick, 112 Market St.
MacDonald & Kahn, Financial Center Bldg.

Healy-Tibbitts Const. Co., 64 Pine Street.

M. B. McGowan, 74 New Montgomery Street.

Clinton Const. Co., 923 Folsom St.
Raymond Concrete Pile Co., Hunter-DuIn Bldg.

San Francisco Bridge Co., 503 Market Street.

Judson-Pacific Co., 609 Mission St.
Soule Steel Co., 1750 Army St.

Barrett & Hip, 918 Harrison St.
Mercer-Fraser Co., Eureka, Calif.

Merritt, Chapman & Scott Corp., Balfour Bldg.

Dyer Bros. Golden West Iron Works, 174th and Kansas Sts.
Pacific Coast Steel Co., 20th and Illinois Sts.

Joshua Hendy Iron Works, 200 Pine Street.

California Redwood Assn., Financial Center Bldg.

A. W. Kitcher, 110 Market St.
Bids are to be opened on Dec. 10, 2 P. M.

Contract Awarded.

ROLLING DOORS. Cont. price, \$14,199
SAN FRANCISCO. Pier No. 23.
Furnish and install 36 steel rolling doors.

Owner.—State of California (Harbor Commission).

Engineer.—Frank G. White, Ferry Bldg.
Contractor.—Rolph Mills Co., 525 Market Street.

Following is a complete list of bids:
Rolph Mills Company.....\$14,199
Gunn, Carl & Company.....15,640
E. J. Francis.....15,750
Kennerson Mfg. Co.....15,888
Cornell Iron Works.....15,939

MISCELLANEOUS SUPPLIES AND MATERIALS

SACRAMENTO, Cal.—Until December 15, 3 P. M., under Order No. 3978-1891, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to supply the following f.o.b. Rio Vista:

2 bars, mild steel, flat, $\frac{3}{4}$ x $1\frac{1}{4}$ -in.;
2 bars mild steel, flat, $\frac{1}{2}$ x $1\frac{1}{2}$ -in.;
2 bars mild steel, flat, $\frac{1}{2}$ x 2-in.;
2 bars mild steel, flat, $\frac{1}{2}$ x 2-in.;
2 bars mild steel, flat, $\frac{1}{2}$ x 2-in.;
2 bars mild steel, flat, $\frac{1}{2}$ x 2-in.;
2 bars mild steel, flat, $\frac{1}{2}$ x 2-in.;
2 bars mild steel, flat, $\frac{1}{2}$ x 2-in.;
1 bar tool steel, medium grade, hex., $\frac{3}{4}$ -in.;
1 piece brass rod, $1\frac{1}{4}$ -in. dia., 12-ft. long;
1 piece cold rolled steel, round, 4 15/16-in. dia., 12 ft. long;
50 lb. ft. steel angle iron, no piece less than 10-ft. long, $1\frac{1}{2}$ x $1\frac{1}{2}$ x $\frac{1}{4}$ -in. thick;
30 ft. shafting, cold rolled steel, finished and polished, 1 1/16-in. dia.
36 ft. steel I beam, 10-in., 30-lb. per ft., in as long lengths as possible.
Machine bolts, screws, etc.

LOS ANGELES, Cal.—Until 11 A. M. Dec. 28, bids will be received by city purchasing agent, Thomas Coughton, for furnishing 1800 high voltage fuse cut-outs under Spec. No. 2677.

A revised series of standard wood moldings has been issued by the central committee on lumber standards of the National Lumber Mfrs. Assn., 713 Transportation Bldg., Washington, D. C. This book contains 250 patterns, each with serial designation; 81 typical assemblies; a cross index from the revised to the old series, and an extended index to various types of moldings.

Reviewing a new book by W. W. Scott, which the author says is a chronicle of unintentional humor by tired newspapermen and others, a writer for the Pasadena Star-News says this:

"Breaks" happen in the best of regulated offices, and sometimes cause many a sleepless night for editors. We're glad Scott didn't catch one that the Star-News sponsored a few weeks ago when the hurried and harassed makeup editor put "State Plenics" at the top of a column that called for "Births." Headwriters often make the worse "break" than this, as when the Oakland Tribune wrote: "Two Convicts Evade Noose; Jury Hung." No doubt the wish here was father to the thought.

He was indeed a politically-minded typesetter who sent through a Zanesville paper a church notice to the effect that "the male quartet will sing 'Angels That Around Us Hover'" and you can imagine that the reporter

must have got hold of some exceedingly bad bootleg when he could write for the New York World: "Sherman was shot, stabbed, kicked and beaten into insensibility in the furious melee, but was not seriously hurt."

We cannot figure what they were doing down in the plant of the Moran, Tenn., Times when they let this item pass: "Mrs. Geo. Earl, who gave birth to a 19-year-old daughter, is reported as getting along fine. A. J. Dill of Farley, who also suffered a broken leg in the same accident, is recovering."

William Randolph Hearst's propensity for self-laudation in his string of papers is responsible for this "break" in his Seattle Post-Intelligencer: "The Missionary Sisters of the Sacred Heart." A Dallas headline, "Hoover Eats Turkey, Lays Cornerstone," tries to sustain the mighty powers claimed for the engineer in politics by his publicity experts. Something new in weather forecasts was offered by the Johnstown, Pa., Democrat: "Thunder showers, Friday; probably followed by Saturday."

Mike Clark, down in Holler Rock Junction, Tenn., admits he has been hit by the Depression. In a letter to the editor of the Green Ridge Local News (Tenn.), telling the editor about it, he says:

Dear Mr. Editor:

There seems to be so much talk about our so-called prosperity. I believe it's my duty to write my licks on same and help analyze the things as far as possible, so we can make up our minds we had ought to change our ways of living and so forth. I have taken my own case for instance. I see my mistakes and many others have acted likewise. I bought an auto instead of a farm, and it's worn out, but the farm I figured on is still O. K. I invested in a radio instead of a cow, and the radio gives static instead of milk.

I had spent my last \$100 for flour and meat instead of gas and oil I'd have been O. K. I built a nice garage last year instead of roofing my barn, and I had loafed in the mountains a week or two instead of being in the pasture fixing it so my cow won't get out, but she's dry, and mortgaged to boot for two dresses my wife bought from an agent instead of paying the taxes.

I am feeding five nice hounds which answer to the names of Red, Red Wing, Slobber, Jake and Bayrum, instead of five pigs. I had our piano tuned instead of the well cleaned. I spent all my cash in 1928, and used my credit in 1929, and traded up my future wages for 1930 in installments, so hard times caught we in bad shape in the fall of 1930.

I'm on a cash basis now, but I ain't got no cash. I am tied to the end of my rope, and the man I am working for is busted on account of nobody would pay him and his cotton won't sell 'cause nobody won't buy no cotton clothes, all the gals wear silk stockings and silk underwear here in our cotton country. I had \$4 saved up for a rainy day, but it turned dry and I spent the \$4 for inner tubes.

I tried hard to make both ends meet with a turnip patch, but when I got turnips ready to sell, everyone else was selling turnips for nothing and the market was glutted. I am worried plum sick, and my wife's kinsfolks are coming over next Tuesday to spend the winter.

Write or phone if you hear of any relief from the U. S. Government coming down this way. I am willing to be either a Democrat or Republican for a few weeks if that will help out any. — Mike Clark, E. F. D. No. 1 Holler Rock Junction, Tenn.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
1211	Hardiman	Owner	7000
1212	Stauffer	Michel	1500
1213	Hancock	Owner	4000
1214	Schmelling	Owner	2500
1215	Cerruti	Owner	1400
1216	Amatore	Owner	4000
1217	Zellerbach	Coburn	3200
1218	Doelger	Owner	4000
1219	Christensen	Owner	—
1220	Cooper	Owner	2500
1221	Shilling	Lindgren	2500
1222	Haggard	Owner	2000
1223	Evers	Owner	3500
1224	Chaglia	Schroeder	1200
1225	Denny	Young	7000
1226	Curry	Owner	2500
1227	Moroncelli	Owner	5000
1228	Mirsky	Owner	3000
1229	Adair	Owner	3500

DWELLINGS

(1211) W 17th AVE. 300 S Lawton; two 1-story and basement frame dwellings.
Owner—M. D. Hardiman, 423 35th Ave.
Plans by Owner. ea. \$3500

ROOF

(1212) W UTAH bet. Alameda and 15th St.; roof over shed.
Owner—Stauffer Chemical Co., 624 California St.
Plans by Contractor.
Contractor—Michel and Pfeffer Iron Works, 1415 Harrison St. \$1500

DWELLING

(1213) E 24th AVE 225 S Moraga; 1-story and basement frame dwelling.
Owner—R. W. Hancock, 1734 24th Ave.
Plans by Owner. \$4000

DWELLING

(1214) N ESMEERALDA AVE 25 N Peralta. One-story and basement frame dwelling.
Owner—E. Schmelling, 2130 24th St., San Francisco.
Plans by Owner. \$2500

STORE

(1215) SE COR. TAYLOR and Lombard Sts.; store under baths.
Owner—E. Cerruti, 775 Lombard St.
Plans by E. Cerruti, Jr., 775 Lombard Street. \$1400

DWELLING

(1216) W VERMONT 200 S 23rd; one-story and basement frame dwelling.
Owner—F. Amatore, 2810 26th Ave.
Architect—Not Given. \$4000

REPAIRS

(1217) 1560 SACRAMENTO ST.; repair apartments.
Owner—Zellerbach-Levison Co., 2048 Market St.
Architect—Not Given.
Contractor—I. W. Coburn, 2048 Market Street. \$3200

DWELLING

(1218) W 31st AVE. 125 N Cabrillo; one-story and basement frame dwelling.
Owner—H. Doelger, 300 Judah St.
Plans by Owner. \$4000

DWELLINGS

(1219) E 18th AVE. N from cor. Lawton; three 1-story and basement frame dwellings.
Owner—H. Christensen, 1422 27th Ave.
Plans by F. Nelson, 810 Ulloa St.
one \$4,000; two \$3500 each

RESTAURANT

(1220) SE COR VAN NESS AVENUE and Market St.; one-story frame restaurant.
Owner—C. C. Cooper and C. Axt, 6843 Mission St.
Plans by Owners. \$2500

MEZZANINE FLOOR

(1221) SE COR. SECOND and Folsom Sts.; mezzanine floor in warehouse.
Owner—A. Shilling & Co., Second and Folsom Sts.
Engineer—L. H. Nishkian, Underwood Building.
Contractor—Lindgren and Swinerton, Inc., 225 Bush St. \$2500

ALTERATIONS

(1222) 126 ELLIS ST.; alter restaurant.
Owner—C. H. Haggard, 737 Pine St.
Architect—Not Given. \$2000

DWELLING

(1223) E 17th AVE 200 N Wawona; one-story and basement frame dwelling.
Owner—K. Evers, 2601 17th Ave.
Plans by Contractor. \$3500

GARAGE

(1224) 1726 BRYANT ST.; garage under dwelling.
Owner—G. Chaglia, 1726 Bryant St.
Architect—Not Given.
Contractor—W. Schroeder, 3639 Folsom Street. \$1200

DWELLING

(1225) NE SAN ANDREAS 69 SW San Anselmo; two-story and basement frame dwelling.
Owner—T. R. and C. B. Denny, Alexander Hamilton Hotel.
Architect—Masten & Hurd, 233 Post Street.
Contractor—Young & Horstmeyer, 461 Market St. \$7000

DWELLING

(1226) S SATURN 161 W Ord; one-story and basement frame dwelling.
Owner—T. M. Curry, 45 Burnside Ave.
Plans by C. E. Curry, 45 Burnside Avenue. \$2500

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - - California

FLATS

(1227) SW COR. CORTLAND and Bonanza; 2-story and basement frame (2) flats.
Owner—J. Moroncelli, 11 Bennington.
Architect—G. A. Berger, 309 Valencia Street. \$5000

DWELLING

(1228) W 32nd AVE 50 S Rivera; one-story and basement frame dwelling.
Owner—B. Mirsky & Son, 421 3rd St.
Architect—Not Given. \$3000

DWELLING

(1229) W 17th AVE. 150 N Noriega; one-story and basement frame dwelling.
Owner—Mrs. M. Adair, % architect.
Architect—E. E. Young, 2002 California Street. \$3500

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
281	Rice	Doelger	—
282	Denny	Young	9743
283	Smith	Oakland	7690

BUNGALOW

(281) E 28th AVE. 50 S Ulloa S 25 x E 120; all work on 1-story and basement bungalow.
Owner—Milton F. and Ethel C. Rice.
Architect—Not Given.

Contractor—Henry Doelger, 300 Judah Street.

Filed Dec. 3, '31. Dated Nov. 19, '31.	
Cash	\$1000
Roof on	750
Brown coated	750
January 3, 1932	500
Building completed	1937
Usual 35 days	750
Limit, 90 days.	

BUILDING

(282) LOT 5 BLK 3077, St. Francis Wood Extension No. 3. All work for two-story and basement frame building and garage.

Owner—Thomas R. and Constance B. Denny.

Architect—Masten & Hurd, 210 Post St., San Francisco.

Contractor—Young & Horstmeyer, 461 Market St., San Francisco.

Filed Dec. 5, '31. Dated Dec. 2, '31.	
Frame up	\$2435.75
Brown coated and roof on	2435.75
Completed and accepted	2435.75
Usual 35 days	2435.75

TOTAL COST, \$7440.00
Bond, \$9743. Surety, Glens Falls Indemnity Co. Limit, 90 days. Forfeit, \$10. Plans and specifications filed.

REMODELING

(283) NE CALIFORNIA ST. and Van Ness Ave. N 142-2 1/4 x E 100 ptn Blk 54 WA; all work for remodeling building.

Owner—Robt. A. Smith, Inc., 301 Golden Gate Ave.

Architect—F. H. Slocombe, 3830 Harrison St., Piedmont.

Contractor—Oakland Builders Co., % owner.

Filed, Dec. 8, '31. Dated Dec.	
25% completed	\$1750
50% completed	1750
Completed	1750

Flournay extending SW 25 x NW

100. W R Jefferson as Greater City Lumber Co vs Margaret Laird and Jas Gilardi..... \$32.85
Dec 8, 1931—E LAGUNA 100 S Wal-
ler S 43 E 82-4 N 1-10 1/4 E 42-10 m
or 1 N 39-8 W 125 to beg. Jas
Cantley vs Wm and H Van Her-
lek..... \$125

RELEASE OF LIENS

San Francisco County

Recorded Amount
Dec 7, 1931—W 27th AVE 450 South
Quintara 50 x W 120. California
Const Co to Marie Attenger. \$623.25
Dec 3, 1931—OR—E WEISEL Place
100 N 16th N 60 x E 30. West
Coast Lumber Co to P F and Marie
Denman, F B Neal as Sterling
Const Co. \$99
Dec 3, 1931—OR—E WEISEL Place
100 N 16th N 60 x E 30. The
Christenson Lumber Co to P F and
Marie Denman and F B Neal. \$106.09
Dec 3, 1931—2270 or 94 E WEISEL
Place 100 N 16th N 60 x E 30. W
C Hauck & Co to F B Neal and T
F Denman..... \$79
Dec 2, 1931—2251 or 422 E Weise Pl
100 N 16th N 60 x E 30. John
Cassaretto to T F and Marie Den-
man and F B Neal..... \$223

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Amt.
1648	Lyon	Owner	2700
1649	Barale	Bredchoft	3000
1650	Jensen	Owner	5500
1651	Hoge	Reimers	6000
1652	Nelson	McCabe	3750
1653	Poggio	Benassini	4500
1654	Kingsland	Hildebrand	6000
1655	Hoge	Henderson	1250
1656	Fraser	Owner	3000
1657	Helm	Owner	1000
1658	Rinaldi	Owner	1390
1659	Warren	Owner	3500
1660	Shaw	Owner	6200
1661	Harwood	Owner	3000
1662	Home Bldrs.	Owner	4000
1663	Ottino	Faramia	1700
1664	1st Congregational	Pacific	2997
1665	Hammarberg	Owner	4500
1666	Anderson	Owner	2600

DWELLING

(1648) N VETERAN WAY 90 S Can-
on St., OAKLAND; one-story five-
room dwelling.
Owner and Builder—C. D. Lyon, 6501
Buena Vista Ave., Oakland.
Architect—Not Given. \$2700

RESIDENCE

(1649) NO. 1131 HOPKINS ST., BER-
KELEY. One-story 6-room one-
family frame residence.
Owner—P. Barale, 123 E-15th St., Oak-
land.
Architect—P. Swafford, 50 Carme Ave.
Albany.

Contractor—Bredchoft & Dull, 1328
Carlotta St., Berkeley. \$3000

DWELLING

(1650) 3201-05 STUART ST., OAK-
LAND; one-story 10-room 2-fam-
ily dwelling.
Owner and Builder—A. K. Jensen, 1106
Excelsior Ave., Oakland.
Architect—Not Given. \$5500

STORE

(1651) E LAKESHORE 100 N Lake
Park Ave., OAKLAND; 1-story 4-
room brick store building.
Owner—Lionel B. Hoge.
Architect—Ray F. Keefer, 770 Wesley
Ave., Oakland.
Contractor—Irwin H. Reimers, 745
Walla Vista Ave., Oakland. \$6000

DWELLING

(1652) 4071 LYMAN RD., OAKLAND;
one-story 6-room dwelling.
Owner—M. A. Nelson, 3897 Rhoda
Ave., Oakland.
Architect—Not Given.
Contractor—J. D. McCabe, 3457 Mt.
Blvd., Oakland. \$3750

DWELLING

(1653) 557 57th ST., OAKLAND; 1-
story 6-room dwelling.
Owner—Gus Foggio, 479 Clifton St.,
Oakland.
Architect—Not Given.
Contractor—Joe Benassini, 1357 Addi-
son St., Berkeley. \$4500

SERVICE STATION

(1654) S. W. Cor. SEVENTH AVE. and
E 10th ST., OAKLAND; one-story
brick service station and 1-story
brick grease rack.
Owner—Miss Pearl King's land, 784
Kingston Ave., Oakland.
Architect—Not Given.
Contractor—C. G. Hildebrand, 2184
Hearst Ave., Berkeley. \$4000

SHOP

(1655) SE EIGHTH and CENTER
STS., OAKLAND. One-story brick
and tile shop.
Owner—L. B. Hoge.
Architect—Ray F. Keefer.
Contractor—Herberg K Henderson, 393
40th St., Oakland. \$1205

DWELLING

(1656) NO. 1419 VERSAILLES AVE.,
ALAMEDA. One-story 5-room
frame and stucco dwelling.
Owner—J. W. Fraser, 2502 Otis Drive
Alameda.
Architect—Not Given. \$3000

REPAIRS

(1657) NO. 3335 FERNSIDE BLVD.,
ALAMEDA. Repair fire damage.
Owner—Rose V. Helm, Premises.
Architect—Not Given. \$1000

STORE

(1658) NO. 1323-23 1/2 HIGH ST.,
ALAMEDA. One-story brick store
building.
Owner—Mrs. L. N. Rinaldi, 1321 High
St., Alameda.
Architect—Not Given. \$1390

DWELLING

(1659) 4235 MONTEREY BLVD., OAK-
LAND; one-story 6-room dwell-
ing.
Owner and Builder—W. H. Warren,
3502 Pothill Blvd., Oakland.
Architect—Not Given. \$3500

DWELLING

(1660) 857 SUNNYHILLS RD., OAK-
LAND; two-story 6-room dwelling.
Owner & Builder—Joseph Shaw, 2363
LeConte Ave., Berkeley.
Architect—Harris Allen, 557 Market
St., San Francisco. \$6200

DWELLING

(1661) NO. 3527 FOURTEENTH AVE.
OAKLAND. One-story six-room
dwelling.
Owner—Warren T. Harwood, 3514
Lyon Ave., Oakland.
Architect—Not Given. \$3000

DWELLING

(1662) NO. 3252 MILLSVIEW AVE.,
OAKLAND. One-story 6-room
dwelling.
Owner—Home Builders Inc., Ltd., 1940
42nd Ave., Oakland.
Architect—Not Given. \$4000

RESIDENCE

(1663) NO. 1742 CURTIS ST., BER-
KELEY. One-story 3-room 1-
family frame residence.
Owner—A. Ottino, 1147 Francisco St.,
Berkeley.

Architect—Not Given.

Contractor—J. Faramia, 827 Madison
St., Albany. \$1700

ALTERATIONS

(1664) NW TWENTY-SIXTH AND
Harrison Sts., OAKLAND. Alter-
ations.
Owner—First Congregational Church,
Premises.
Architect—W. H. Ratcliff, Chamber of
Commerce Bldg., Berkeley.
Contractor—Pacific Mfg. Co., Santa
Clara. \$2997

DWELLING

(1665) NO. 143 ALTA ROAD, OAK-
LAND. One-story 6-room dwlg.
Owner—Albert Hammarberg, 2694
Hillgard Ave., Berkeley.
Architect—Not Given.

DWELLING

(1666) NO. 3249 PRENTISS ST.,
OAKLAND. One-story five-room
dwelling.
Owner—Chas. Anderson, 2142 25th
Ave., Oakland.
Architect—Not Given. \$2600

BUILDING CONTRACTS

Alameda County

No.	Owner	Contractor	Amt.
175	Regents	Alta	109697
176	Same	Snook	75625
177	Regents	Turner	30474

GYMNASIUM

(175) CAMPUS OF UNIVERSITY
of California, Berkeley. All work
for heating and ventilating men's
gymnasium building.
Owner—The Regents of the University
of California, Berkeley.
Architect—Hunter & Hudson, 41 Sut-
ter St., San Francisco.
Contractor—Alta Electric & Mechani-
cal Co., Inc., 938 Howard St., San
Francisco.

Filed Dec. 5, '31. Dated Dec. 3, '31.
1st of each month..... 75%
Usual 35 days..... Balance

TOTAL COST, \$109,697
Bonds—Labor and materials, \$55,000;
performance, \$55,000. Surety Ameri-
can Bonding Co. of Baltimore. Limit,
within time of general contract. For-
feit, \$50 per day. Plans and specifica-
tions filed.

(176) PLUMBING EQUIPMENT ON above.

Contractor—Frederick W. Snook (as
Frederick W. Snook Co.), 596 Clay
St., San Francisco.

Filed Dec. 5, '31. Dated Nov. 30, '31.
Payments same as above.....

TOTAL COST, \$75,625
Bonds—Performance, \$38,000; labor &
materials, \$38,000. Surety Pacific In-
demnity Co. Limit, forfeit, none.
Plans and specifications filed.

ELECTRICAL EQUIPMENT

(177) MEN'S Gymnasium Bldg. on
campus of the University of Cali-
fornia, Berkeley. Installation of
electrical equipment.

Owner—The Regents of the University
of California, Berkeley.
Architect—Hunter & Hudson, 41 Sut-
ter St., San Francisco.
Contractor—The Turner Co., 329 Te-
hama St., San Francisco.

Filed Dec. 8, '31. Dated Nov.
1st of each month..... 75%
Usual 35 days..... Balance

Bond: Performance, \$16,000; Labor
and Materials, \$16,000. Sureties, U. S.
Guarantee Co. Forfeit, \$50 per day.
Limit, within the time allowed general
contractor. Plans and Spec. filed.

COMPLETION NOTICES

Alameda County

Recorded	Accepted
Dec. 8, 1931—LOT 12 BLK 1, Oakmore Terrace, Oakland. Louis Anderson to whom it may concern.....Dec. 7, 1931	
Dec. 8, 1931—SW WISCONSIN ST. 195.87 Maple Ave, Oakland. Joseph H Muller to C D Blch.....Dec. 7, 1931	
Dec. 8, 1931—FIRST AND MARKET Sta., Oakland. Howard Terminal (a corp.) to S G Johnson.....December 4, 1931	
Dec. 8, 1931—LOT 74 BLK F, Fernside Tract, Alameda. C A Caulfield to Walter H Anderson.....December 5, 1931	
Dec. 2, 1931—LOT 11 BLK 7, Resub of ptn of N Cragmont, Berkeley. H D Van Wye vs Gust Jelm.....\$130	
Dec. 2, 1931—793 CRAGMONT AVE, Berkeley. Stege Planing Mill vs Gust Jelm.....\$32.50	
Dec. 4, 1931—PTN LOTS 3 and 7 Blk G, plat of Llewellyn, Alameda. Loop Lumber & Mill Co, \$303.95; M C Henry \$54.95 vs G J and Anna Annet, N F Justice.....\$1468.77	
Dec. 4, 1931—BLK bounded by Edith St, Dulloch Road, Jacobus Ave and Morpeth St, Oakland. E P Murphy doing business as E P Murphy Co vs Roman Catholic Archbishop of San Francisco, Sisters of the Sacred Names of Jesus and Mary, Jas M McLaughlin Co, Chris Berg.....\$468.77	
Dec. 7, 1931—MARIN SCHOOL, Marin Ave bet Santa Fe and Curtis Aves; Cornell School, Solano Ave bet Talbot and Cornell Aves, Albany. Albany School District to J Harold Johnson.....November 24, 1931	
Dec. 7, 1931—MARIN AVE bet Santa Fe and Curtis Aves, Albany. Albany School Dist to Scott-Butler Elec Co.....November 24, 1931	
Dec. 7, 1931—SOLANO AVE bet Talbot and Cornell Aves, Albany. Albany School Dist to G S Pearce.....November 24, 1931	
Nov. 7, 1931—MARIN SCHOOL, Marin Ave bet Santa Fe and Curtis Aves; Cornell School, Solano Ave bet Talbot and Cornell Aves, Albany. Albany School Dist to The Scott Co.....November 24, 1931	
Dec. 8, 1931—LOT 35, Broadmoor Park, San Leandro. P S Young to J H Pickrell.....Dec. 4, 1931	
Dec. 5, 1931—NW TELEGRAPH AVE. and 20th St., Oakland. Frank J and Margaret M Youell to J J Power.....Dec. 3, 1931	
Dec. 5, 1931—LOT 9-A BLK E, Glenwood, Oakland. J S Wiggins to J S Wiggins.....Dec. 4, 1931	
Dec. 5, 1931—LOT 27 BLK C, Fourth Avenue Park, Oakland. Wray T Vaughn to whom it may concern.....Dec. 5, 1931	
Dec. 4, 1931—201 GLENWOOD Glade, Oakland. Beryl D Freeman to John S Flagg.....November 30, 1931	
Dec. 4, 1931—LOT 6, Ardmore, San Leandro. Earl A Tweed to H E Tweed.....November 28, 1931	
Dec. 3, 1931—PTN LOT 174, Fourth Ave Terrace Exten, Oakland. A Jensen to whom it may concern.....December 2, 1931	
Dec. 1, 1931—2833 73rd AVE, Oakland. Walter Pressler to whom it may concern.....November 30, 1931	
Dec. 2, 1931—PTN LOT 8 BLK E, Montclair Estates, Oakland. Fredrick A and Ines C Small to W C Constable.....November 28, 1931	
Dec. 3, 1931—PTN LOT 1 BLK 32, Amended Map of Fairmount Park, Berkeley. Robert William and Martie W Katz to Robert E Bartlett and N E Rockwell.....Dec. 7, 1931	

LIENS FILED

Alameda County

Recorded	Amount
Dec. 7, 1931—SW CALHOUN 100 NW Pearl St, Alameda. C W Abbott Co vs A McGregor, N F Justice.....\$209.48	
Dec. 7, 1931—2627 CLAY ST, Alameda. Swift Lbr Co, Inc, \$143.54; I M Tolson, \$175; F L Courtney, \$230; J C Brockhurst doing business as Brockhurst Tile Co, \$64; Robert Streiff, \$176.10; W L Saxby \$60 vs A McGor and Noble F Justice.....\$603.25	
Dec. 5, 1931—NO. 793 CRAGMONT AVE, Berkeley. Acme Building Supply Co vs Gust Jelm.....\$101	
Dec. 4, 1931—2827 CLAY ST Oakland. Loop Lumber & Mill Co, 430.46; M C Henry, \$28.60, vs N McGregor and N F Justice.....\$6,030.02	
Dec. 2, 1931—BOUNDED BY EDITH St and Dulloch Road, Jacobus Ave and Morpeth Street, Oakland. United States Gypsum Co vs Roman Catholic Archbishop of San Francisco, Sisters of the Sacred Names of Jesus and Mary, Jas M McLaughlin, Chris Berg.....\$6,030.02	
Dec. 3, 1931—BOUNDED BY EDITH St and Dulloch Road, Jacobus Ave and Morpeth St, Oakland. J J Scanlon, \$54.65; J J Scanlon, \$2,780; East Bay Glass Company, \$934.15; Nat L ena, \$2886.00, vs Roman Catholic Archbishop of San Francisco, Sisters of the Sacred Names of Jesus and Mary, Jas M McLaughlin Co.....\$6,037.25	
Dec. 3, 1931—LOT 11 BLK 7, Resub of portion N Cragmont, Oakland. Maxwell Hardware Co vs Gust Jelm.....\$85	
Dec. 3, 1931—719 CRAGMONT AVE, Berkeley. Gladding, McBean & Co vs Gust Jelm doing business as Gust Jelm Co, W L Saxby.....\$381	
Dec. 3, 1931—EDITH ST and Dulloch, Oakland. Concrete Engineering Co, Inc vs Roman Catholic Archbishop of San Francisco, James L McLaughlin Company.....\$6,037.25	
Dec. 3, 1931—BOUNDED BY EDITH St and Dulloch Road, Jacobus Ave and Morpeth St, Oakland. Pacific Mfg Co vs Roman Catholic Archbishop of San Francisco, Sisters of the Sacred Names of Jesus and Mary, Jas M McLaughlin, Aetna Casualty Ins Co.....\$4808.23	

RELEASE OF LIENS

Alameda County

Recorded	Amount
Dec. 7, 1931—EDITH and Dullich Sts, Oakland. Concrete Engineering Co, Inc to Roman Catholic Archbishop of San Francisco, et al.....\$6037.25	
Dec. 7, 1931—EDITH and Dullich Sts Oakland. J J Scanlon to Roman Catholic Archbishop of San Francisco, Sisters of the Sacred Names of Jesus and Mary, James L McLaughlin Co.....\$54.65	

Dec. 5, 1931—NW NINTH AVE 75 ft SW of East 17th St, Oakland. Joe Jobe to Clint Wesley Miller.....\$184	
Dec. 5, 1931—NW NINTH AVE 75 ft SW of East 17th St, Oakland. Melrose Bldg Materials Co, \$180.50; Boorman Lbr Co, \$706.59; Maxwell Hardware Co, \$135.52; A C Stewart doing business as Stewart Mantel & Tile Co, \$132; Pacific Coast Aggregates, Inc, \$78.75; Flagler Elec Co, \$125.10; A Casqueiro, \$97, to Clint W and Hermine G Miller.....\$64.20	
Dec. 5, 1931—NW NINTH AVE 75 ft SW of East 17th St, Oakland. In-laid Floor Co to Clint W Miller, O K Headington.....\$64.20	
Dec. 5, 1931—SIXTIETH ST 175 ft W Idaho St., Oakland. C A McCabe to Elizabeth and F W Pusey.....\$36	

BUILDING CONTRACTS

SAN MATEO COUNTY

STORE AND OFFICE BLDG. N THIRTY-SECOND AVE. 420 E El Camino Real, San Mateo. All work for two-story reinforced concrete store and office building. Owner—Stelling & Gould, 155 Montgomery St., San Francisco. Architect—Bertz, Winter & Maury, 210 Post St., San Francisco. Contractor—G. P. W. Jensen, 320 Market St., San Francisco. Filed Nov. 30, '31. Dated Nov. 27, '31. As work progresses.....25% Usual 35 days.....75%	
TOTAL COST, \$26,568	
Bond, \$26,568. Surety, Fidelity & Surety Co. of Detroit. Limit, 75 working days. Forfeit, none. Plans and specifications filed.	

BUILDING PERMITS

SAN MATEO

BUNGALOW, \$3000; S 8 ft lot 22 N 25 ft of lot 23 blk 10, 808 S Humboldt; owner and builder, Alfred Nelson. RESIDENCE, \$9000; N ptn lot 57, 606 Crescent; owner and builder, R P Minor, 1406 Burlingame Ave. SERVICE station, \$7000; lots 6, 7, 8 blk 3, 100-102 South Boulevard; owner and builder, Huzo Hultberg 29 San Mateo Ave.	
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COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
Nov. 27, 1931—LOT 29 BLK 45, Devanshire. Fred Carlisle to whom it may concern.....Nov. 18, 1931	
Nov. 28, 1931—SKYLINE BLVD. State of Calif. to Henry B Kage.....Nov. 24, 1931	
Nov. 30, 1931—LOT 12 BLK 16, Lomita Park. Frank C Grises to whom it may concern.....Nov. 25, 1931	
Dec. 1, 1931—LOT 63, La Honda Redwood Properties. Durlin B Hackett to E C Hill.....Nov. 25, 1931	
Dec. 2, 1931—LOT 4 and Part Lot 13, Blk 9, Abby Homestead. Giu-	

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

suppe Marsight et al to Angelo Zangrande.....Nov. 14, 1931
Dec. 3, 1931—LOT 5, Willoughw Place, San Mateo. G W Williams & Co, Ltd to whom it may concern.....Dec. 1, 1931
Dec. 3, 1931—PART LOTS 19 AND 20, Husing Subd, San Mateo. Charlie Hemmer to whom it may concern.....Dec. 1, 1931
Dec. 3, 1931—LOT 10 BLK 3, Edgewood Park. Milton H Clarkson et al to Harry Borquin.....December 3, 1931

Dec. 3, 1931—PART LOT F, Nehy Tract, San Mateo. W R McFarlane to M Klay.....Dec. 2, 1931
Dec. 3, 1931—PART LOTS 24 AND 25 and Part Lot 26 Blk 16, Central Park, San Mateo. Emil Berendtsen et al to whom it may concern.....Dec. 2, 1931
Dec. 3, 1931—LOT 6 BLK 37, Redwood Highlands. Louise Stetson et al to Thomas Nelson.....December 1, 1931

Dec. 4, 1931—BURLINGAME HILLS No. 4, Incuma Realty Co to A F Stewart et al.....Nov. 24, 1931
Dec. 4, 1931—LOT 14 and Part Lot 13 Blk 2, Central Park. Morris & Weiner to Morris & Weiner.....December 3, 1931
Dec. 4, 1931—NO. 2600 EL CAMINO Real, San Mateo. D Harold H Grath to Clarence H Thomas.....December 4, 1931

Dec. 12, 1931—LOT 5 BLK P, Hillsborough Park No. 2. A M Albertoni to A M Albertoni Nov. 30, 1931
Dec. 7, 1931—STATE HIGHWAY 1, San Mateo and Redwood City. State of California to E Anderson & Son.....Dec. 3, 1931
Dec. 8, 1931—LOT 23 BLK 1, Burlingame. Richard P Minor to whom it may concern Dec. 7, 1931

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
Nov. 30, 1931—LOT 14 BLK 10, Burlingame Hills. Harold Ogram vs Frank F Nelson et al.....	\$90
Nov. 30, 1931—LOT IN SAN CARLOS. E L Norberg vs Robert A Klassen et al.....	\$158.20
Dec. 1, 1931—LOT 16, Lexington Park. Sudden Lumber Co. \$270.12 San Carlos Feed & Fuel Co. \$163.70; Bush Roofing Co. \$140; E A Mueller, \$56 vs W H Hougham	
Dec. 3, 1931—LOTS 28 AND 29 BLK 2, Belle Air Park. Harry Lee vs Alessio Camilli.....	\$127
Dec. 5, 1931—LOT 16, Lexington Park. M Denike vs William H Hougham et al.....	\$116
Dec. 7, 1931—PART LOT 6 BLK 9 Menlo Oaks. Christenson Lumber Co vs A M Arnesen et al.....	\$552.94
Dec. 8, 1931—PART LOT 6 BLK 9, Menlo Oaks. Chris Maynoff Co vs Arne M Arnesen et al.....	\$150

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded	Amount
Dec. 7, 1931—LOTS 25, 26, 27 AND 28, Blk A, Millbrae Park. F M McNulty to whom it may concern.....	

BUILDING PERMITS

PALO ALTO

RESIDENCE and garage, 1-story stucco, \$3400; 2371 Bryant St.; owner Cleveland Smith, % President Hotel, San Francisco; architect, Treichel & Goodpaster, 1540 San Pablo, Palo Alto.

RESIDENCE and garage, 2-story stucco, \$7500; 2280 Waverly St.; owner Dean J Coovet, 1402 Emerson St.; contractor, Osborne & Knight, 595 Bailey, Mt. View.

RESIDENCE, 2-story frame and stucco, and garage, \$11,400; 560 Central St.; owner and builder, Chas. W. Kemper, 125 Bryant St.

BUILDING PERMITS

REDWOOD CITY

DWELLING, frame, 6-rooms, bath and garage, \$4000; No. 326 Hudson St. Redwood City; owner and contractor, H. E. Bourquim, 1649 Brewster St., Redwood City.

DWELLING, frame, 5-rooms, bath & garage, \$4500; No. 1425 Whipple Ave., Redwood City; owner, E. Blakeley; contractor, Morris & Wiener, 1182 Market St., San Francisco.

BUILDING CONTRACTS

SANTA CLARA COUNTY

CANNERY BLDG.

LOTS 15 AND 16 MAP OF SUBD. 2, Las Anemas Subd, Lot 11 and Las Anemas Rancho Lot 39 in Rancho Las Anemas, also-Subd Lot 12 Map 4, Miller & Thomas Addition, Gilroy All work for one-story cannery building.

Owner—Filcey & Perrelli Canning Co., Inc., Gilroy.

Architect—William Knowles, 1214 Webster St., Oakland.

Contractor—John Riksheim, Gilroy.

Filed Dec. 3, '31. Dated Dec. 1, '31.

As work progresses.....75%

Usual 35 days.....25%

TOTAL COST, \$33,309

Bond, \$33,309. Surety, Indemnity Insurance Co. of North America. Limit, 90 working days from Dec. 3, 1931. Forfeit, none. Plans and specifications filed.

BUILDING PERMITS

SAN JOSE

ALTER frame business residence building, \$4500; George and San Pedro Sts., San Jose; owner, A. Ferraro, Premises; contractor, J. C. Monk, Los Gatos.

ALTER type III business building, \$1000; No. 20 W. San Antonio St., San Jose; owner, Conservative Realty Co., 285 S-First St., San Jose; contractor, H. A. Bridges, 1398 Lincoln St., San Jose.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded	Accepted
Dec. 3, 1931—LOTS 47 AND 48 BLK 3, Vendome Park, San Jose. John P Urzi et ux to N J Nielsen.....	
December 3, 1931	
Dec. 3, 1931—LOTS 21 AND 22 BLK 5, Claremont Subd, being Subd. of Ptn of Lots 7 & 8, Montgomery & Rea Subd, Pala Rancho. Carl L Bailey to whom it may concern.....	
December 2, 1931	
Dec. 3, 1931—PTN LOTS 357 AND 358 Blk 55, Cook & Branhram Addition, San Jose. H J Walker to whom it may concern.....	
Dec. 1, 1931	
Dec. 3, 1931—LOT 2, Park Court, San Jose. Morris Weintraub to whom it may concern.....	
Nov. 27, 1931	
Dec. 3, 1931—PTN LOT T, Wm. J. Leet Subd of Hyde Park Tract in Pueblo Tract No. 1 and being Ptn Lot 15, University Grounds. T H Barclay to whom it may concern.....	
November 20, 1931	

Dec. 4, 1931—LOT 16 Tract No. 2, Rancho Del Patio. Lloyd W Hitchman et ux to whom it may concern.....December 4, 1931
Dec. 4, 1931—LOT 10, Lincoln Manor Willow Glen. David L Strom et ux to Olaf Strom.....Dec. 3, 1931
Dec. 4, 1931—LOT PARTITION OF land of L. Fine, deceased. Margherita Fontanesi to Raymond Samuels.....Dec. 1, 1931
Dec. 4, 1931—LOTS 59 AND 60 BLK 2, Vendome Park, San Jose. Fred H Gunter et ux to A R Calveini.....Dec. 4, 1931
Dec. 5, 1931—PTN LOT 1, Cyrus Berry Subd. Virginia M Spinks to whom it may concern.....Dec. 4, 1931
Dec. 5, 1931—LOT 5 BLK 4, Jas. A. Clayton & Co. Subd of Vendome Grounds, San Jose. Elsie P Alexander to Clyde Alexander.....December 4, 1931

Dec. 7, 1931—LOT 7 Tract No. 2, Rancho Del Patio. P. S. 1/2 of Lot 26 and part of Lot 1, W. M. D. E. M. John P and Edith Morley to whom it may concern.....Dec. 4, 1931
Dec. 8, 1931—LOTS 13 AND 15, Willow Glen Orchard Tract of Narvaez Rancho, Willow Glen. Ira Brotzman to whom it may concern.....Dec. 8, 1931
Dec. 8, 1931—LOT 12 BLK 17, Map No. 2, Town of Los Altos. Alfred Williams to whom it may concern.....December 8, 1931

Dec. 8, 1931—LOT 1, Map of Delmas Avenue Subd, being Lot 14, 15 & 16 and part of Lot 17, San Jose. Mrs. Wunsche Tract to John G Luebben.....Dec. 7, 1931
Dec. 2, 1931—LOTS 31, 32, 33 & 34 in said Subd Section O, Los Altos Country Club Properties. W L and Hazel K Cottmire to M W Reese.....Nov. 28, 1931

Dec. 1, 1931—LOT 36 Map of Lau-meister Subd of Blk 4 Subd No. 7, Seale Tract, Palo Alto, Cleveland Smith to Cleveland Smith.....November 27, 1931

Dec. 1, 1931—LOTS 13 AND 14 BLK 31, College Terrace, Palo Alto. Gus H Kouns to Gus H Kouns.....November 30, 1931

Dec. 1, 1931—LOT 43 BLK 124, Crescent Park Map No. 3, Palo Alto. Frank L and Lydia C Nolan to W H Gibson.....Nov. 27, 1931

LIENS FILED

SANTA CLARA COUNTY

Recorded	Amount
Dec. 3, 1931—LOT 10 BLK L, Southgate, Palo Alto. Merner Lumber Co vs Ronald Jervis et ux.....	\$77.65
Dec. 3, 1931—S 25 FT. LOT 2 and N 25 ft. Lot 3 Blk 3 R. M. E. Castro & Calderin Subd, Mt. View. Merner Lumber Co vs Horatio Cadwell et ux.....	\$68.60
Dec. 3, 1931—LOT 10 BLK L, Southgate, being Subd of Blk J, Palo Alto. Merner Lumber Co vs Ronald Jervis et ux.....	\$26.82
Dec. 2, 1931—PTN OF PROPERTY, beg. on NE line of San Francisco and San Jose Road at pt marked by 6"x8" post which is set at SW Cor. land Clute, sd pt being at 19.256 chs 40' & 44' E from granite monument which is set at p. o. i. of said NW line of said road with line bet. land Harris & Monroe. Merner Lumber Co vs Herbert A Markinson et ux.....	\$180.33
Dec. 4, 1931—LOT 10 BLK L, Southgate, Palo Alto. E Gardner vs Roland Jervis et ux.....	\$178.50
Dec. 7, 1931—LOT 10 BLK L, Southgate, Palo Alto. A R Ford vs R Jervis.....	\$126
Dec. 8, 1931—LOT 10 BLK L, Southgate, Palo Alto. Merner Lumber	

Co vs Ronald and Amy Jervis.....	\$64.30
Dec. 2, 1931—LOT 3, Duncan Partition 8.76 acres. Garden Mill & Supply Co vs Baldo Itagmuel and Frank Bugloss.....	\$81.06 and \$2 costs
Dec. 1, 1931—N ½, LOT 14, Maybell Tract Subd., San Jose. Merner Lumber Co vs John Lewis and Pauline Silvey.....	\$240.80

BUILDING PERMITS**STOCKTON**

- DWELLING, rustic, 5-room and garage, \$3200; No. 132 E-Noble St., Stockton; owner and contractor, A. C. Dahl, 137 E-Pine St., Stockton.
- SHOP building, brick, one-story, 317-426, No. 6 W-Church St., Stockton; owner, P. G. & E. Co.; contractor, E. H. Riley, 1st National Bank Bldg., Stockton.
- DWELLING, rustic, 4-room, \$1500; No. 1585 French Camp, Stockton; owner, Fred Pigozzi.
- DWELLING, 6-room brick veneer, and garage, \$5500; 1561 W Walnut St.; owner, Ray Nornington; contractor, C. H. Barton.

COMPLETION NOTICES**SAN JOAQUIN COUNTY**

Recorded	Accepted
Dec. 2, 1931—LOTS 34, 36 AND 38 Blk 5, Westerly Extension to N Stockton. George H Tons to whom it may concern.....	Dec. 2, 1931
Dec. 2, 1931—LOT 8 BLK 2, Lakeview. C H Dodd to whom it may concern.....	Dec. 2, 1931

LIENS FILED**SAN JOAQUIN COUNTY**

Recorded	Amount
Dec. 5, 1931—LOTS 10 AND 12 BLK 226, East of Center St., Stockton. Star Lumber Co vs Maria Prima and Fred Anderson.....	\$336.15

BUILDING CONTRACTS**MONTEREY COUNTY**

- APARTMENTS
CARMEL-BY-THE-SEA. All work for two-story and basement reinforced concrete (2) store and (4) apartments building.
Owner—Mary Jane and James T. Williams, Carmel.
Architect—A. W. Story and Wesley W. Hastings, 282 Alvarado St., Monterey.
Contractor—H. D. Coon, Dolores and Castro Lane, Carmel.
Filed Dec. 7, '31. Dated Nov. 24, '31.
Payments same as above..... 75%
As work progresses..... 25%
Usual 35 days..... 25%
TOTAL COST, \$15,940
Bond, \$11,955. Surety, Indemnity Insurance Co. of North America. Limit, 90 working days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES**MONTEREY COUNTY**

Recorded	Accepted
Nov. 20, 1931—LOT 11 BLK 24, Map of Monte Regio No. 1. Nathaniel and Erma Wither to Walter B. Snook.....	Nov. 18, 1931
Nov. 23, 1931—LOT 7, C. Tynan's Subd. W B and Vera M Murray to S Trondhem.....	Nov. 30, 1931
Dec. 1, 1931—LOT 6 BLK 6, Second Addition to Maple Park in	

City of Salinas. Odlin M and Corrinne H Hansen to whom it may concern..... Dec. 1, 1931
Dec. 2, 1931—LOT 17 BLK 16, Map of Monterey Heights, Monterey. Alta Cox to Charles M Hall..... November 24, 1931

RELEASE OF LIENS**MONTEREY COUNTY**

Recorded	Amount
Nov. 24, 1931—LOT B and N 15 inches Lot C Blk 3, Sherwood & Helman's Map of Salinas City. Farmers Mercantile Co to E F Reese; William M and James C Irvine.....	\$81.80
Nov. 24, 1931—E MAIN ST. 101.11 S Alisal St. th N 51 ft. 7 in. along E Main St., Monterey. Anderson-Dougherty-Hargis Co, \$1500; Salinas Planing Mill, \$1217.35; Granite Constr Co, Ltd, \$2825.96; Tynan Lumber Co, \$3096.94; Habentich & Howlett, \$592.50; Salinas Electric Works, \$1163.05; Tynan Lumber Co & Salinas Planing Mill, \$1217.35 to E F Reese; W M and James C Irvine.....	

BUILDING CONTRACTS**MARIN COUNTY**

- RESIDENCE
ROSE. All work for one-story and basement frame and stucco residence.
Owner—E. Neaves Perez and Wife, Norwood & Wadsworth Sts., Ross. Architect—Angelo Hewetson, 1100 Versailles Ave., Alameda.
Contractor—Siemer & Kendall, 109 Tunsted Ave., San Anselmo.
Filed Nov. 30, '31. Dated Nov. 21, '31.
Frame completed..... 25%
When plastered, etc..... 25%
When accepted..... 25%
Usual 35 days..... 25%
Final TOTAL COST, \$5750
Bond, none. Limit, 90 working days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES**MARIN COUNTY**

Recorded	Accepted
Nov. 30, 1931—SAN RAFAEL. Celia K Estes to whom it may concern.....	November 30, 1931
Dec. 1, 1931—SAUSALITO. Rudolph and Leonora Carniglia to whom it may concern.....	Nov. 28, 1931

LIENS FILED**MARIN COUNTY**

Recorded	Amount
Nov. 30, 1931—LARKSPUR. Construction & Development Co vs Frank L Kellogg.....	\$2518.66
Dec. 1, 1931—MILL VALLEY. L J Ament vs H W Hoppe.....	\$301

COMPLETION NOTICES**CONTRA COSTA COUNTY**

Recorded	Accepted
Dec. 7, 1931—LOTS 3, 4, 5 AND 6 Blk 59, Town of Pittsburg. The Roman Catholic Archbishop of San Francisco to Larsen & Larsen.....	Nov. 12, 1931
Dec. 7, 1931—PTN LOTS 12 AND 13 Map No. 1, Delambre Terrace. M Lucile Bacon to W D Kirkham.....	December 4, 1931
Dec. 2, 1931—LOT 7 BLK D, Arlington Acres. I Masuero to Carl E Nelson.....	Nov. 27, 1931

Dec. 1, 1931—LOTS 6 AND 7 BLK 33, Richmond Junction Heights. Greater Berkeley Land Co to J W Swope..... Dec. 1, 1931
Dec. 4, 1931—LOTS 32 AND 33 BLK 7, Richmond City Center. T J Pritchard Sr to T J Pritchard Jr..... Dec. 2, 1931

RELEASE OF LIENS**CONTRA COSTA COUNTY**

Recorded	Amount
Dec. 2, 1931—LOT 15 BLK 23, Walls Harbor Center Tract. Leonard & Holt to Edith M Wilbur.....	\$415

COMPLETION NOTICES**SONOMA COUNTY**

Recorded	Accepted
Dec. 7, 1931—NE LOT 13, Plan of Philip's Subd. Sarah I Forsyth to S M Griggs.....	Dec. 1, 1931
Dec. 7, 1931—SW COR. OF SEC. 15 T 9 N R 3 W M D M (2.25 acres). C W Benjamin to E A Anlof.....	December 1, 1931
Dec. 8, 1931—E 50 FT. LOTS 117 and 118 Blk 11, Prindle's Subd of part of Benton Addition, Santa Rosa. Lamfey Meiseld to C W Hanson.....	Dec. 4, 1931

LIENS FILED**SONOMA COUNTY**

Recorded	Amount
Dec. 7, 1931—LOT 1 BLK 6, Proctor Terrace. Santa Rosa. Allan F Smith vs George L and Florence E Davis.....	\$348.70 + \$6.00

RELEASE OF LIENS**SONOMA COUNTY**

Recorded	Amount
Dec. 1, 1931 — LOCATION NOT Given (0.60 acres. Mills & Dean to Lois E Post and Larry Comerford (partial release).....	\$25

BUILDING PERMITS**SACRAMENTO**

- DWELLING, 7-rooms and garage, \$5500; No. 4820 H St., Sacramento; owner, E. Sydenstricker, 917 Sonoma Way, Sacramento.
- DWELLING, 5-room and garage, \$5000 No. 2530 Castro Way, Sacramento; owner, E. Richards, Rt. 6, Box 3310, Sacramento.
- RESIDENCE, 6-room and garage, \$5000; No. 633 46th St., Sacramento owner, C. Thompson, 3432 Serra Way, Sacramento.
- DWELLING, 6-room and garage, \$5000 No. 1160 Robertson Way, Sacramento; owner & contractor, Land Drive Terrace.
- WORKSHOP, \$5000; No. 2530 Fifth St., Sacramento; owner, City of Sacramento.
- HOUSE, 5-room, and garage, \$5000; 1200 Merriam Way; owner, N. Lund, 2549 6th Ave.

COMPLETION NOTICES**SACRAMENTO COUNTY**

Recorded	Accepted
Nov. 30, 1931—LOT 197, W. & K. Tract, 33, Sacramento. Alden Blact to whom it may concern.....	Nov. 27, 1931
Nov. 30, 1931—E ½ of N ½ LOT 4 U, V, 17th and 18th Sts., Sacramento. J C Boyle to whom it may concern.....	Sept. 23, 1931

Dec. 1, 1931—LOT 2308, W. & K. Tract 24 Adin, Sacramento. Thos A Scott to whom it may concernNov. 27, 1931

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
Nov. 26, 1931—LOT 1, O. P. 11th and 12th Sts., Sacramento. Phil Mott vs Charles W. Heyer Jr and D J Ruff\$344.26
Nov. 30, 1931—LOT 6 BLK 18, Fair-oaks Addition, Sacramento. The General Supply Co., Inc vs Chas C and Mabel P Adams and Marion A Worcester\$401.36
Dec. 3, 1931—LOT 7338 Casa Alameda Tract. The Diamond Match Co vs C E Young and Nora Heidenrich.\$86.63
Dec. 3, 1931—LOT 250 W & K College Tract. Wm C P Muller vs G Loyth\$105

BUILDING PERMITS

FRESNO

DWELLING and garage, \$3000; No. 134 Hawes Ave., Fresno; owner, Teresa Pazzi; contractor, Chris Sommers, 796 College St., Fresno.
ALTERATIONS and additions, \$1250; No. 1324 Modoc St., Fresno; owner, Joe Satogato, Premises.
DWELLING and garage, \$3600; No. 1571 Glenn Ave., Fresno; owner, H. S. Koon, 558 Bond St., Fresno; contractor, Dwight W. Doss, 5015 Nevada St., Fresno.

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Dec. 7, 1931 — NO. 1802 MERCED St., Fresno. Frank H Short Jr to J T Cowan.....Dec. 5, 1931
Dec. 6, 1931—LOTS 14 AND 15, Pauls Gardens, Fresno. H C Offutt to whom it may concern.....Dec. 1, 1931

ENGINEERING SOCIETIES EMPLOYMENT SERVICE

Further information regarding positions listed in this column is obtainable from Newton D. Cook, Room 715, 57 Post St., San Francisco. (Phone SUTTER 1864).

W-2975-C ENGINEER to take charge of engineering department in small plant manufacturing pumps. Must have had recent experience in design and production of modern centrifugal pumps and accessories, shop and drafting room supervision. Executive and creative ability, initiative and leadership essential. Apply only by letter. Location, Middle-west.

W-2462-S (K-364) CHEMICAL ENGINEER, under 40, having had thorough training in chemical engineering in general and with a record of successful practical experience in the papermaking industry. Apply only by letter. Location, New England.

R-2716-S CHEMICAL ENGINEER, preferably between 30 and 40 years old and experienced in the operation of a chemical testing laboratory, to take charge of laboratory. Must be good chemist with sales ability, and willing to start for \$150 month and opportunity to share in business as it grows. Apply by letter. Location, San Francisco.

R-3708-S SALES MANAGER, technical man preferred, to take charge of all details in connection with the

sales and distribution of electrical transcriptions of programs for radio broadcasting. Must be able to meet with all types of executives and advertising agents and adapt himself to an expanding market which will cover the entire U. S. A. Investment of \$5000 required. Location, San Francisco.

R-3709-S PRODUCTION MANAGER, familiar with high speed production work and the related systems of time and cost controls, to work into executive position with company producing radio programs for electrical transcription or direct broadcasting. \$3000 month to start. Must be able to make stock investment in company. Location, San Francisco.

W-3321-C-S (K-887) MANUFACTURER of substation connectors and switching equipment desires additional agents middle and western states. Established trade connections on these and supplementary lines essential. Apply by letter. Headquarters, New York.

BUSINESS OPPORTUNITIES

Names and addresses of persons or firms concerned in the following opportunities will be furnished on request to Business Opportunity Department, Daily Pacific Builder, 547 Mission St., San Francisco, or phone GARfield 8744.

21537—Representation. San Juan, Porto Rico. Manufacturer's agent is interested in contacting manufacturers of furniture and linoleum.

21538—Representation. Esther, Surrey, U. K. Freight forwarders in touch with firms throughout the world are anxious to be put in touch with exporters interested in representation abroad.

21549—Ice Cream Machinery. York, Pa. Manufacturers of ice cream machinery are interested in securing brokers to handle their export trade.

David A. Miller, Bellevue Hotel, San Francisco, desires exclusive representation in Central and Northern California for local or Eastern manufacturers of hardware and tools.

Charles F. Baer, Filling & Company, Inc., 1500 Chestnut St., Philadelphia, Pa., wishes to represent local firms in the East.

Earl R. Wilkinson, Rockford, Ill., is seeking sales connections in this city for the marketing of wood and metal work.

H. L. Griffin Jr., 161 Ellis St., San Francisco, wishes to represent local manufacturers in Dallas, Texas.

James G. Blake, James G. Blake & Company, 112 Market St., San Francisco, will undertake limited number of business commissions including placement of lines with distributors while on trip to trade centers in East, South and Middle West.

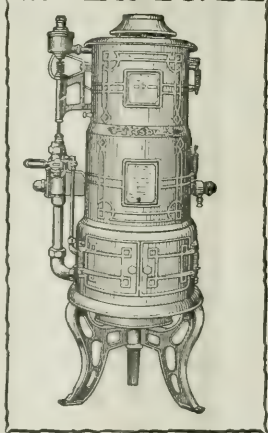
K. R. Simpson, Kenneth R. Simpson & Co., 325 Produce Bldg., Los Angeles, desires to contact manufacturers, brokers and shippers interested in Southern California representation.

OAKLAND EXCHANGE ELECTS DIRECTORS

Twelve directors were elected at the annual election of the Builders' Exchange of Alameda County, held in the exchange headquarters in Oakland last Tuesday.

The new board of directors consists of Herbert Beckwith, S. J. Bertelsen, H. J. Christensen, Frank M. Clausen, J. H. Fitzmaurice, Thos. F. L. Furlong, Wm. Makin, Wm. E. McGrath, David Nordstrom, W. J. Rigney, Jos. A. Turgeon and R. D. Watson.

C. J. Ryland, a member of the firm of Swartz & Ryland, architects of Fresno and Monterey, has been appointed a member of the State Board of Architectural Examiners by Governor Ralph. Ryland succeeds John J. Donovan of Oakland, whose term has just expired.



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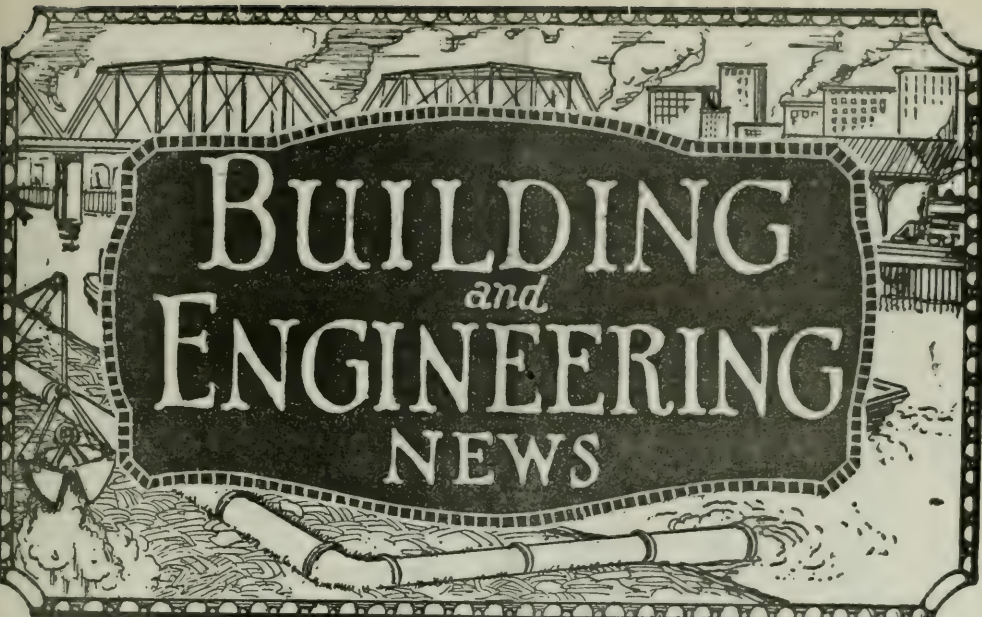
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BUILDING *and* ENGINEERING NEWS

Publication Office
547 Mission Street

SAN FRANCISCO, CALIF., DECEMBER 19, 1931

Published Every Saturday
Thirty-fifth Year, No. 51

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Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

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Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

NEW BAYSHORE ROAD TO COST \$6,000,000

Surveys for the construction of a \$6,000,000 Bay Shore Highway extending from Richmond, Contra Costa County to San Jose, Santa Clara County, have been made by the State Highway Department, according to C. H. Purcell, chief engineer.

The plans, prepared in the form of a reconnaissance survey, call for a 58-mile long highway skirting the shore line of Richmond, Albany, El Cerrito, Berkeley, Emeryville and Oakland. From Oakland it is proposed to take a direct route into San Jose.

The survey was made under provisions of the joint highway act and at the request of East Bay cities. It recommends the construction of a 100-foot highway along the shore line and in the open country, while a narrower road is urged for congested areas in the cities.

The highway will start at the end of Ninth Street in San Jose and take a direct route north to West San Leandro. From there two routes have been suggested to Oakland, one of them through Alameda and Oakland by way of Main Street, Alameda and under the estuary.

The other route will skirt the shore line of Oakland to the end of Third Street, where it will swing north along the eastern shore line of San Francisco Bay. The route through Alameda is believed by engineers to be the most practical because it avoids the heavily congested areas along the Oakland waterfront.

As the highway nears Richmond it will divide. One section will go to Pt. San Pablo to connect with the eastern approach to a proposed bay bridge connecting Richmond with Marin County, while the other will take a direct route to Carquinez Straits, providing a new outlet for the Sacramento Valley.

All grade crossings, where fast transcontinental trains might be a traffic hazard, have been eliminated in the survey, as have all potential "bottle necks."

BUILDING MATERIAL MEN ELECT OFFICERS

Ernest L. Clements was elected president of the Building Material Dealers' Association of Northern California at the annual meeting of that body at the Hotel Whitcomb last Saturday.

Louis F. LeHane was elected first vice-president, Al. G. Popkin, second vice-president and Fred Hanchett, third vice-president.

Wm. J. Feary was elected treasurer. Directors are Ralph E. Wilcox, Wm. H. Moehmann, Robert H. Borchers, Robert Doran, Carol Stephens, F. Denn Prescott and Ralph H. Rupert.

BUILDERS AT S. B. DEMAND WAGE CUTS

Building trades unions of Santa Barbara will meet this week to consider an ultimatum from forty-four local contractors that wages must be cut 18½ per cent, effective January 1.

Santa Barbara, according to members of the Builders' Exchange in that community, has the highest wage scale of any city in the state. Cuts would run from \$1.50 to \$2 a day, and under the scale sought by this contractors, bricklayers would be cut from \$12 to \$10 daily; plumbers from \$11 to \$9; building laborers from \$5 to \$5, and some fifteen other crafts proportionately.

Building Congress Seeks to Secure Work For Local Architects

The board of directors of the Oregon Building Congress has adopted the following resolution, addressed to the mayor and commissioners of the city of Portland:

"Whereas, there is a nation-wide movement to encourage the employment of local architects on governmental buildings; and

"Whereas, this movement has been endorsed by the national governmental departments in the actual employment of several Portland architects on government buildings throughout the state; and

"Whereas, the employment of local professional men on this work was not only a betterment to the local economic condition, but also a guarantee of a high standard in building design;

"Therefore, be it resolved, that the city officials of the city of Portland recognize the same principles involved as in the governmental building work, and the same procedure be followed on all municipal building under the jurisdiction of your honorable body."

Receiver Asked for B and L Association

A petition for receivership in equity for the Pacific Coast Building & Loan Association, one of the largest investment institutions of this kind on the Pacific Coast, has been filed in the federal court at Los Angeles for two Eastern stockholders.

The petition, filed by Raymond L. Haight, former state corporation commissioner, acting as an attorney, alleged that the capital guaranteed stock of the association had been transferred to the Guarantee Investors Company of Utah in order to escape provisions of the new California building and loan law.

The association is not connected with the Pacific States Building & Loan Association.

SAN JOSE MASTER PAINTERS GO UNION

A triune plan which unionizes virtually 80 per cent of the Master Painters' employing power had been entered into by the three principle factors of the paint industry in Santa Clara County.

The plan was agreed upon, according to the document which was signed "Owing to the deplorable condition of our industry at the present time."

Terms agreed upon call for an \$8 per day wage for journeyman painters, with time and a half for overtime, grainers to receive \$10 per day, a five-day week; exclusive use of union painters by contractors signing the agreement, with preference to members of the local union. In return, union members will stop the practice of contracting except when temporarily out of employment.

Journeyman painters now employed by Master Painters will be taken into the union for a \$5 initiation fee, three months' dues in advance, and \$1 for the death benefit fund. All fines standing against local journeymen employed by Master Painters will be removed.

The agreement will remain in effect for one year.

The plan was discussed at a meeting of members of the union, Master Painters' Association, and Paint Dealers' Association. It calls for the organization of a conference board composed of three members of each body. Members of the Paint Dealers' Association will have neither voice nor vote in questions of hours or wages.

The agreement was signed by the following union contracting painters: Charles Dieter, N. H. Johnson, C. W. Lynds, W. McGinley, C. E. Brown, H. E. Hunter, Peter Rhode, D. C. Leonard, George H. Smith, Fred Curry, Carl Richards, Francis Kuntz, George Lenzen, H. Loos, J. Venegas, C. F. Humphreys, J. F. Youngren, Gail H. Castle, A. R. Lack and W. M. Herman.

Talks of approval and encouragement were given by Chairman Walter McGinley, N. E. Johnson, W. Herman and Wm. Loos of the Master Painters; A. J. Rose and H. Fouch of the union; Paul H. Morton and Carl McClellan of the dealers; A. R. Nichols, director of vocational education at the San Jose High School; Supervisor A. L. Hubbard; City Commissioner W. L. Hiebrach; A. G. DuBrutz, industrial secretary of the Chamber of Commerce and Warren Reilly of the Merchants' Association.

San Jose was said to be the first city in which such an agreement had been made among the painters.

John Treanor of Los Angeles, president of the Riverside Portland Cement Company, was elected a member of the board of directors of the Portland Cement Association at the annual meeting in Chicago last month.

DEFICIT IN CONSTRUCTION IS VIEWED AS BASIS FOR BUILDING REVIVAL BY EMPLOYMENT CHIEF

A deficit in construction resulting from a slackening of activities in the past year is viewed as a basis for building revival by D. H. Sawyer, director of the Federal Employment Stabilization Board in an address broadcast under the auspices of the American Road Builders Association over Station WOL.

In addition to the deficit in construction, Director Sawyer notes as factors in the predicted revival the necessity for new projects and major alterations and replacements due to destructive agencies and obsolescence, the demand of the American people for better buildings and more conveniences and the genius of Americans in devising new things and thereby creating new demands.

Even greater activity than has been recorded in the past is foreseen by Director Sawyer in the predicted revival of construction. "My acquaintance with design and construction for many years leads me to believe," he said, "that the sound of the rivet and the rumble of supply trucks will return with a louder chorus of men at work than has been heard heretofore."

Following is Director Sawyer's address:

Future of Construction

Construction in the United States from the shingling of a barn in Maine to the building of the Hoover dam in the West, probably amounts to over \$8,000,000,000 in a normal year. Eight billion dollars is a staggering sum. What can be said of the future for this great industry?

The mind of man in a protracted span of gloom and distress is very apt to see only more gloom and distress. His hopes and views are mainly focused upon his immediate trials and his judgment fails to be influenced by the history of past recoveries or the aspirations and requirements of the future.

During the past two years the mass mind of the country, to a large degree has become saturated with this psychology until long faces are the rule and a resignation to an unpleasant fate engrosses our citizens.

The depression has not been without its blessings as it has compelled men and institutions to recognize the possibility of recurrence and forces them to direct attention to their own structures and processes.

Creative structures, which add to the permanent wealth of the country are of such common occurrence that we have lost sight of their importance in the fabric of our civilization.

The Federal Employment Stabilization Board, formed at the last session of Congress, is charged with providing more completely and accurately the basic factors of construction in order to foresee employment months in advance. Its field of usefulness is well recognized and the information developed through studies will be an important forward step in the stabilization of American affairs.

Long Range Planning

The Federal construction agencies are at present active in long-range planning in conformity with the legislation. The primary purpose underlying this new method of procedure is to give better assurance of the orderly scheduling of physical improvements needed by the Government and to make them readily available for con-

tract if a season of unemployment becomes imminent.

Efforts of the Board will likewise be directed in behalf of states, cities and other public subdivisions in an endeavor to have them give more fundamental thought to their necessities in terms of years ahead.

The public conscience is keenly alive to the contribution which can be made by public authorities in directing their engineers and architects to think more clearly in terms of the future than in terms of an emergency, thus creating the confidence of their citizens in the reliability of programs of public improvements. The facilities of the board are available and it is hoped this new thought of public service will quickly become rooted in the minds of administrative officials.

Since the Fall of 1929, when dark clouds shadowed the sun, the prominence of construction and the necessity for its normal continuance has been voiced across the country in printed and spoken word.

In an atmosphere of this character what can be said for the return of this paramount industry? Has it met the increasing demands of the country? Has the market been saturated for a considerable time ahead?

My acquaintance with design and construction for many years leads me to believe that the sound of the rivet and the rumble of supply trucks will return with a louder chorus of men at work than has been heard heretofore.

Deficit in Construction

There are certain underlying forces that must be understood to reach this conclusion. Let us name a few important ones and talk about them—the deficit in construction caused by a lapse in this character of work during the past two years—the necessity for new projects and major alterations due to destructive agencies and obsolescence—the generative genius of the American citizen in devising new things and the voracious appetite of the American public for new requisites and conveniences.

Reverting to the days immediately following the World War, we recall the phrase "Deficit in Construction." The urge of war, antedated somewhat by emergency work to meet the needs of the belligerents, caused a suspension of normal building operations. This, together with a gradual increase in population and demand for improvements, brought about the cry for picks and shovels, and construction answered the call, and a quick recovery of national business resulted.

Any interruption of men at work produces a chaotic period. And so today we are faced with a diminution that must be recognized. This lapse has affected virtually all phases of building operations, save possibly some of those within the category of public works.

The engineer and the architect of the United States lead the world in clever design and its execution. These resourceful and alert technical minds are ingeniously devising processes and structures which will better stand the test of time and usage.

Even so the professional mind cannot completely anticipate what new uses his products will incur. Roads built suitable for a certain weight and density of movement are subjected to heavier weighted machines, faster and

more frequent traffic, thus necessitating parallel lanes and revamped roadways.

The architect plans a towering building only to find that the clouds beckon him to a mightier structure. Underground, the conduits for utilities, well thought out by an analysis of future necessity, together with subways for transporting human freight experience loads not anticipated which calls for larger and more substantial units.

Census figures indicate that the drift of population from the country into the city has slackened somewhat but still continues.

Concentrated population puts a heavy burden on public officials to provide adequately for health, safety, transportation, recreation and the other demands of city life. These essentials are genuine and must be met by physical improvements.

And so it comes about that underground, on the surface, and in the air we have developed facilities which serve the demands of modern-day civilization and these must be kept in repair, duplicated and rebuilt to meet the competition of sterner needs.

Unquestionably the United States leads the world quantitatively and qualitatively in construction. The fertility of the inventive genius of this land of ours passes even the imagination of the people who have been accustomed to almost the supernatural in accomplishment.

Examine the records of the patent office: the printed word of the country since its founding, and the pages will be replete with useful ideas which spell a progress never before known to history. Look around your home, your office, in public buildings, in the air, and you will appreciate a demonstration of wits and resourcefulness that thrills the fancies of the mind.

Think for a moment of the air conditioning of enclosed structures which is widely discussed today. We have gone far in making our housing comfortable in winter. From the fireplace and old base burner in the individual home you can now, with a twist of the wrist, be rewarded with a room temperature of any desired degree.

American Genius Will Aid

Those thinkers who have given us comfort during the icy blasts of winter have now turned their talents to the heat or summer. They conclude that if the man and woman enjoy and will acquire better surroundings in the cold months they will be equally appreciative of pleasant conditions during the hot and sultry months.

This reasoning has affected the production of air conditioning processes which will reduce enclosed temperatures below outside air. Successful try outs have been made in hospitals, office buildings, railway trains, and other places, and the practicability of the method has been demonstrated. Knowing the proclivities of the American to demand the best, we can forecast that this new invention will win its way to a prominent place.

Peering into the future, I think we can not conclude that genius has been exhausted, but rather that it has been encouraged, and will present to us for many years to come new conceptions that make for easier and happier lives.

In pulling aside the curtain and

looking ahead let us not lose sight of the alertness of the creative mind.

The food which our inventive genius has administered to the public has created an appetite for more.

In the older countries of the world satisfaction with things as they are, and possibly the reluctance to try out the new, accounts for the paucity of improvements.

The American, however, is almost ravenous in his desire and in his demands for the excellent. Where he lives, works or plays he expects to find the best that is available on the market. If something better catches his eye he wants and seeks it.

The housewife is not satisfied to use the facilities that her mother employed. Nor is the man in the office or the factory willing to follow in the footsteps of his predecessors. As long as the American sees something that whets his appetite, just so long will he be jealous to possess it.

Construction Has Only Paused

No where in history can the counteraction of this American psychology be discovered. It is not new with us and there are no signs in the skies that would indicate its recession.

Washington residents realize that many governmental agencies are devoting their time to research and analysis. But few of us appreciate the important contributions that these have given to new functions that lead the way to construction. It would be interesting to review the generous part that Federal funds have played in accomplishing this vast program.

As an ideal which states and cities will attempt to emulate, let us consider the panorama of the city of Washington. Major L'Enfant arrived shortly after the birth of the nation and schemed out a capital city that has come to be the dream of many who have been entrusted with revamping existing municipalities.

And the farsightedness of L'Enfant is being realized today in the Nation's Capital. Its structures of surpassing beauty and usefulness rising out of the earth and fitting into the pattern which he created.

The longing of America to attain the beauty of European cities is being realized in the heart of the Nation. Technical minds have searched the world for beauty in architecture which we find chiseled in stone and marble in our home city.

This incident is important in itself, but it is far more impressive in visualizing the example which has been set to other cities of the country. What Washington possesses becomes the desire of other localities to meet and surpass.

And, consequently, it comes about that the ambition of the people and their Government to make the City of Washington fairer than the capital of any other nation has unconsciously stimulated and inspired other communities to not only equal but exceed it in the attractiveness of its memorials, bridges, and monumental edifices.

While we have the individual desire for better things we have also instilled in the group mind a similar craving.

If we will permit the vision with which we are endowed to pierce the cloud that immediately obscures us, a vision which has led America to heights never reached by any other nation, we can only conclude that construction in its contribution to national wealth, utility, and happiness has only paused and not stopped.

THE OBSERVER

What He Hears and Sees on His Rounds

A check for \$1,011,000 was signed last Monday by the U. S. Treasury Department to pay the Six Companies, Inc., of San Francisco, contractors on the Boulder Dam, for its November work on the \$165,000,000 project. It was the first time since work started last summer that the monthly check exceeded one million dollars.

A cantilevered reinforced concrete roof with an overhang of 72 feet is a unique feature of a reinforced concrete grandstand at a race track in Rio de Janeiro, Brazil. The roof is supported by a building back of the stand, the former resting on the front wall of the building, and being tied into the rear wall which acts as a counter-balance. The columns of the rear wall are heavily reinforced and the reinforcing steel is carried from the pile foundations to the top of the beam. While the cantilever roof gives an unobstructed view from all the seats in the stand the design offends the established architectural principles of support because of its great expanse.

At the request of the Associated General Contractors, the Oregon State Highway Commission has approved a minimum wage scale of \$3.20 for day labor on state highway jobs. It is said the commission decided to ask the Washington state highway department to adopt a similar wage scale.

Surety on a contractor's bond may not insist that the obligee, upon default of the contractor, shall accept another contractor to be furnished by the surety. It was ruled by the supreme court of New York state in the case of Cemetery Gardens vs. Globe Indemnity Company. The surety had contended that the bond was one of indemnity and that if it could place the obligee in a position whereby no loss would be sustained the latter should cooperate to prevent a loss. Upon default of the contractor the surety produced another contractor who had agreed to finish the work for the balance of the original contract price. The obligee refused to accept the services of this contractor on the ground that the bond did not require him to enter into a contract with any new contractor.

Analysing studies of urban living that have been made since 1922, the Committee on Household Management of the President's Conference on Home Building and Home Ownership has found that among American families whose expenditures run below \$4,000 a year renters predominate, and that home ownership increases with increase in income. The studies showed that the proportion of the income allotted to housing is not a fixed percentage, but varies with the size of the family, its economic status, and whether the family is renting or buying its home, as well as other factors, a statement issued by the committee says. The relative amounts spent for housing by renters and buyers was indicated by one study of a small group of families of comparable incomes and social positions. Of this group the families that owned the homes clear allotted 12.8 per cent of their expenditures to housing; renters

allotted 17.3 per cent, and families who were still making payments on their homes allotted 21.3 per cent to housing and payments.

A new 10-year state building program is being worked out by State Department of Finance, Rolland A. Vandegrift, director, announced today.

Vandegrift has sent a letter to all state departments, boards and commissions, asking them to submit their proposed 10-year building program not later than March 15, 1932.

"We proposed to analyze these requests carefully in order to base appropriations for permanent improvements," said Vandegrift. "The new 10-year program will be co-ordinated with a similar program included with the 1927 budget, and making such changes in adjustments as are necessary to meet conditions developing since 1927."

The suggested building program will fall into two groups, Vandegrift said. The first group will show such major construction as will be necessary to take care of estimated population increase during the next 10 years. The second will contain items required to replace existing structures. Each item will be supported by information giving the date of the original building, approximate repair cost, and its probable life if not replaced.

"It should be borne in mind that every possible item of new construction or replacement construction should be delayed until the biennium beginning July 1, 1935," Vandegrift's letter to state officials said. "From all indications at present, the capital outlay for the ensuing biennium, beginning July 1, 1933, must of necessity be exceedingly small because of the reduced surplus in the general fund and economic conditions affecting the revenues accruing to the state."

A drive to place all government workers on a five-day week as an example to industry will be launched as soon as congressional committees are organized. Bills providing for the five-day week already have been introduced in both senate and house. Senator Brookhart (R) of Iowa proposed a five-day week for mechanics and other skilled workers. Representative Granfield (D) of Massachusetts proposed a five-day week for all.

Reports of new orders for fabricated structural steel for the week ending November 21, 1931, were received from 100 establishments, whose capacity represented 52.6 per cent of the total capacity of all plants in the United States. The bookings reported by these establishments amounted to 8093 tons, representing 16.7 per cent of the total capacity of reporting establishments. Reports of shipments of fabricated structural steel for the same week were received from 97 establishments, whose capacity represented 51.2 per cent of the total capacity of all plants in the United States. The shipments amounted to 15,509 tons, representing 32.8 per cent of the total capacity of the reporting establishments.

HERE—THERE EVERYWHERE

A petition in bankruptcy was filed in the U. S. District Court in Los Angeles last week by Edward George Noble, carpenter contractor at Visalia, liabilities being placed at \$27,551.55 and assets at \$915. Noble is represented by Attorney Leslie A. Cleary of Visalia.

John Anderson, assistant to J. G. Barry, vice-president, has been appointed secretary of the sales committee of the General Electric Company. Anderson succeeds E. G. Waters, who is retiring at his own request on the completion of more than 42 years continuous service, the past 25 being as secretary of the sales committee.

U. A. Hammett has been appointed district sales manager of the Permutt Company division of General Water Treatment Corporation with headquarters at 909 Wright & Callender Bldg., Los Angeles, to fill the vacancy caused by the death of John H. Heath on November 30. Mr. Heath was district manager of the Permutt Company in Los Angeles for twelve years prior to his death.

William W. Spencer, 57, painting contractor of Fresno, died in that city last Wednesday. Spencer was ill for several months. He was a native of New Hampton, Iowa, and was in the painting business in Fresno for the past 24 years.

Frank H. Fowler, Seattle architect, died suddenly in that city December 8. He was a member of the Washington State Chapter, American Institute of Architects.

George McDonald, 56, concrete contractor of Sacramento, died in that city December 12, after a six-day illness of pneumonia. He was a native of Canada and had operated in the construction business in California since 1910. His widow survives.

Theodore Iversen, 65, founder of the Richmond Hardware Company of Richmond, Calif., died in a San Francisco hospital, last Friday. He was a native of Denmark and came to California as a lad of fifteen. He settled in Paso Robles, later in San Francisco and then went into the hardware business in Richmond.

L. W. Hesse, 1007 18th St., Merced, has been named superintendent of maintenance and operation for the Merced Irrigation District. He will receive a salary of \$3,600 a year.

The average number of persons per family in California is smaller than in any other state and the average for Los Angeles city is less than for the state-at-large. According to figures given out by the Bureau of the Census, the average number of persons per family for the whole nation as disclosed by the census of April 1, 1930, was 4.1 persons as compared with 4.3 when the census of 1920 was taken. The average California family in 1930 consisted of 3.5 persons as compared with 3.8 in 1920. The average per family in the city of Los Angeles in 1931 was 3.342 persons, the total number of families registered being 370,462. The average in the entire county of Los Angeles for 1930 was 3.37 persons, a total of 655,266 families being enumerated. These averages will be useful in determining the approximate population provided for by new housing.

TRADE NOTES

Industrial Steel Tank and Body Works has recently succeeded the Industrial Steel Products Company and is manufacturing aluminum and steel wagon tanks and welded steel products at the old location, 1301 59th St., Emeryville. J. A. Shaw, C. W. Ensign and S. Viviani, employees of the old firm, are co-partners in the new enterprise.

Wil - Bro Company recently established headquarters in San Francisco for the manufacture and distribution of hose couplings to be sold under the trade name "Wil-Bro." The offices of the new company are at 83 second St., and the factory is at 145 Stuart St. B. F. Williams is manager of the new concern. The products are to be shipped throughout the United States. At the present time the company has foreign patents pending.

Starting January 1, 1932, Fuller & Smith & Ross, Inc., national advertising agency with headquarters in Cleveland, New York and San Francisco will handle all advertising of the Westinghouse Electric & Manufacturing Company concerned with home electrical appliances, radio receiving sets and refrigerators. The announcement is made by Ralph Leavenworth, Westinghouse general advertising manager, who states that the Fuller & Smith & Ross agency headed by Allen Billingsley will also continue its work as consultant on institutional and technical and trade paper advertising copy.

BOULDER DAM LABOR CONDITIONS APPROVED

There is no valid ground for criticism of any conditions affecting labor at Boulder City and Hoover dam, according to the preliminary findings of a committee reporting to the Associated General Contractors and American Engineering Council.

The committee declared its high approval of the methods and operations of Six Companies, Inc., dam contractors and the government officials in charge of the project.

Repeated attacks have been aimed at the huge project by organized labor, which has charged working conditions were bad, pay was poor and that necessary safety precautions had not been taken by the contractors.

ENGINEER WILL FIGHT CHARGES

E. K. Guion, former engineer in the Inyo county district of the State Highway Commission, who was removed from state service after a hearing before the civil service commission, has won another hearing before the commission December 21.

Guion has made counter charges against F. G. Sommer, district engineer, who was his chief accuser. Guion was found guilty of non-cooperation and misconduct. Personal jealousy was ascribed by Guion as the reason for Sommer's move to oust Guion from state service after 20 years' employment.

BELMONT SUBWAY BIDS TO BE ASKED IN JANUARY, 1932

Settlements with property owners adjacent to the proposed Belmont Subway in Fresno are being completed and bids for construction will probably be asked in January. It is announced by Jean L. Vincenz, city engineer.

The total estimated cost of the subway and paving is \$200,000. It will be paid for in cash, the money being appropriated by the City of Fresno, the Southern Pacific Company, the County of Fresno and the California State Highway Department. The contract will be entered into directly between the City of Fresno and the contractor.

One feature of this subway that is a little out of the ordinary, is that at the west end of the subway, a circle 360 feet in diameter will be built. Inasmuch as the circle is a part of Roeding Park of the City of Fresno, the inside of the circle will also be parked and will present an extremely pleasing appearance to those entering the City of Fresno from the state highway. This circle is proposed inasmuch as there are six lanes of traffic which would ordinarily converge at the west entrance to the subway. The traffic plan is that all traffic as it hits the circle will turn to the right following around the circle to its point of departure from the circle. The cost of the construction of this circle including property damages, is included in the \$200,000 estimate.

CONSTRUCTION OF HIGHWAYS URGED TO RELIEVE UNEMPLOYED

Existing unemployment conditions affect professional men such as civil engineers as well as the laborer, according to Major Geo. W. Farny, chairman of the National County Planning Commission and director of the European division of the American Road Builders' Association.

The National County Roads Planning Commission states that plans must justify every dollar of expenditure and show that money is used for orderly and balanced progress. Engineering plans for county highway development help to eliminate waste and bring about increased efficiency and economy.

"The commission recommends to every county and municipality the employment of an engineer to prepare comprehensive plans," declares Major Farny. "Counties and cities would profit by the carrying out of well-conceived plans for the future, and work for civil engineers would be provided."

A planning manual is in preparation by the National County Roads Planning Commission that will outline successive steps in analyzing and planning a complete system of county roads. This manual will be available for distribution to county commissioners at an early date.

GILROY LIKELY TO APPEAL SLOAN SUIT

The city council of Gilroy indicated at its last meeting that it would instruct City Attorney Walter G. Fitzgerald to enter an appeal in the law suit of Charles Sloane, former city engineer, who won a verdict of approximately \$11,000 in damages in the San Mateo courts about a year ago.

The suit resulted from disputed paving proceedings begun by the city a few years ago, engineered by Sloane, but which were dropped.

LUMBER PRODUCTION REDUCED 28 PER CENT

Lumber production has been reduced to about 28 per cent of mill capacity, according to a report from Portland, Ore., to the American Lumbermen, and in all probability will go lower with the complete shut-down of some mills for the holiday season. The market situation is reported to be more encouraging than for a long time but no one expects a marked improvement until after January 1. Export shipments of fir lumber are holding fairly well.

NO STATE LICENSE— BUILDER PAYS FINE

L. Raymond Stoney, Pasadena contractor, was fined \$100 for operating without a state license required by the Contractors' Registration Act, by Justice of the Peace C. C. Cravath at Laguna Beach. The fine was suspended.

Stoney delayed renewal of his license, which expired June 30, until after Inspector G. H. Morrison of the office of the Registrar of Contractors, told the court.

L. A. METROPOLITAN WATER BONDS O. K'd.

Findings in the matter of the \$22,000,000 bonds of the Metropolitan Water District of Southern California, authorized at the election held September 29, 1931, were filed with the Los Angeles County Clerk December 8.

The decision, rendered by K. S. Mahon, Judge of the Superior Court of Sutter County, sitting in Department 15 of the Superior Court in Los Angeles, validates all the proceedings incidental to the said election and determines the sufficiency of the provisions for the collection of an annual tax sufficient to pay interest on this indebtedness as it falls due and to constitute a sinking fund for the payment of principal on or before maturity.

All claims of J. E. Burney, taxpayer, as intervenor, were denied and the judge decided that funds for the campaign before election has been legally expended, and that the district has a legal right to levy taxes. The court upheld the petitioner's stand in its memorandum of points on demurrer that the Metropolitan Water District Act does not contravene the due process of law clause of the Fourteenth Amendment to the United States Constitution. The district, as petitioner, also maintained the point, advanced by the taxpayer defendant, that Article III, Sec. 1, of the California Constitution, concerning the division of governmental powers does not apply to local or quasi-municipal corporations such as the petitioning district, but applies only to the State government.

An appeal will probably be taken to the Supreme Court.

W. B. Mathews, Chief Counsel for the Metropolitan Water District, Chas. C. Cooper, Jr., Ray W. Bruce, and James H. Howard, appeared as attorneys for the district, and Reuele L. Olson, Lloyd E. Verry, and Edw. H. Gaylord, for the defendant taxpayer.

The Caterpillar 20 leaning wheel grader and 60 elevating grader with engine belt drive are described in two recent bulletins of the Caterpillar Tractor Co., Peoria, Ill.

ALAMEDA EXCHANGE TO PLAY GOODFELLOW

By their deeds ye shall know them—The Builders' Exchange of Alameda County, rather than spend several hundred dollars in the decoration of a Christmas tree for the exchange quarters, this year will divert that money into channels to assist the needy in the East Bay region.

Christmas cheer will be delivered in to destitute homes by the exchange in the form of baskets of groceries.

Within one hour after the plan to distribute the baskets had been adopted by the exchange directors more than one hundred dollars was subscribed and the fund is still growing.

Herbert Beckwith, secretary of the exchange and chairman of the Christmas Fund Committee, reports that several hundred baskets will be required. He requests that all members of the East Bay exchange respond with donations as soon as possible.

C. F. WEBER AND CO. RECEIVER APPOINTED

J. R. Klawans has been appointed receiver of C. F. Weber & Co., Ltd., in an order made by Federal Judge Kerrigan. He supplied \$350,000 bond and at the same time Attorney Chas. S. Wheeler Jr., for the furniture company, filed a consent to the receivership. Petition for receivership was entered Tuesday by the Bank of America, \$93,000 creditor, to preserve the assets of the company.

N. B. GREEN TO GIVE ENGINEERING COURSE

A course in "Structural Engineering" to be inaugurated by the University of California Extension Division beginning Monday evening, January 4, at 7 o'clock at the Extension Building, 540 Powell Street, San Francisco, is announced.

The course will be given by Norman B. Green and is intended primarily for architects, contractors, draftsmen and others interested in the building industry. The work embraces the principles of design of steel, concrete and wood structures with special reference to buildings and provides the fundamentals necessary for practical application of the subject.

Mr. Green is a graduate of Stanford University and has studied in the Graduate School of the University of Illinois. He is in active engineering practice and has been connected with many building projects in the bay region, as consultant and designing engineer. He will draw upon his wide experience in this field, to render the course thoroughly up to date and practical.

ORGANIZE TO HIT GOV'T IN BUSINESS

Articles of organization were adopted by the Construction Industries Joint Committee of California at a meeting held December 8 in Los Angeles, and plans for its activities in conformity thereto were discussed.

As soon as the plan of organization has been approved by the Associated General Contractors, Surety Association and Builders' Exchange, officers will be elected and an immediate campaign to combat the extension of government activities in business will be outlined.

Study Central and Truck Mixed Concrete

The use of central and truck mixed concrete is being actively studied by the American Road Builders' Association in cooperation with the National Ready Mixed Concrete Association.

The Road Builders' committee was organized in 1930 and made its first report at the 1931 convention. This report consisted of a survey of the use of central and truck mixed concrete in the paving industry and was instrumental in partially overcoming objections to its use.

With the organization of the National Ready Mixed Concrete Association, and in view of the active committee work being carried on by the American Concrete Institute and the American Society for Testing Materials, the American Road Builders' Association planned this year to turn over its data to these organizations and discontinue the committee. However, at their request and by agreement, the Association is continuing its work this year on the use of central and truck mixed concrete in road and street construction.

It is the plan of the committee to make authoritative conclusions on the objections raised by users of this product and to assist the industry in overcoming the difficulties which they are now experiencing. Particular attention will be given to the development of equipment for transferring the premixed concrete from the hauling unit to the subgrade; water control and batch meters on truck mixers; and the standardization of such mixers.

The work is in charge of R. Keith Compton, director of public works, Richmond, Va., as chairman. Other members of the committee are: R. W. Nielsen, Lakewood Engineering Co., Columbus, Ohio; C. B. Bryant, engineer of materials, Maryland State Roads Commission, Baltimore; J. E. Bushnell, Ransome Concrete Machine Company, Duellen, N. J.; Alexander Foster, Jr., Chas. Warner Co., Philadelphia, Pa.; R. T. Harris, Blaw-Knox Company, Philadelphia; H. C. Whitehurst, engineer of highways, District of Columbia; H. F. Thompson, General Materials Co., St. Louis, Mo.

COURT RULES ON GASOLINE STATIONS

An ordinance prohibiting the erection of gasoline filling stations in a district previously zoned to permit it, but which allows existing stations to continue operation, is a valid exercise of police power in the opinion of the Supreme Court of North Carolina handed down in the case of the City of Elizabeth City vs. Aydtlett, et al, November 11.

Answering the contention that the ordinance is void because it is discriminatory, the court declared it was necessary to avoid a retroactive operation which would unjustly deprive the owner of the property within the district of the use to which it was lawfully devoted when the ordinance went into effect.

The court also denied the ordinance is confiscatory in that it deprives the owner of a lot in the district of the increased rent which he might obtain if he was permitted to erect a filling station thereon.

Construction firms, contract haulers and supply men using Autocar trucks are listed in a 50-page book published by the Autocar Co. Ardmore, Pa., which also contains many illustrations showing these trucks in use on widely known construction jobs.

STATE HOLDS UP WOODLAND CONTRACT UNDER WAGE LAW

The first test case of the new "prevailing wage" rate law, passed by the last legislature, collapsed today when Arthur L. Johnson, attorney and deputy of the State Division of Labor Statistics and Law Enforcement, was advised that the city council of Woodland had rejected all bids for construction of a new city fire hall.

Johnson revealed today that if the Woodland officials had gone ahead with the project with wage scales advertised below the prevailing rates, he would immediately have taken action against them, either for misdemeanor charges or by applying to the appellate court for a writ of review.

"This would have been our first test case," said Johnson. "The facts were glaring in their violation of the law."

"We will make another test case very shortly, however, because the duty of enforcing this law has been delegated to this office. We are now investigating many complaints of public bodies violating the prevailing rate law by setting wage scales below the prevailing rates. Such investigations are being made in San Luis Obispo, Mono and Ventura Counties on county jobs, and at the Napa State Hospital, Patton State Hospital and on a state highway job in San Diego County."

"The law became effective August 14th, and apparently boards of supervisors and city councils are going to continue to violate it until it is enforced."

Johnson made public today the letter of warning to Mayor H. Bobb of Woodland, which caused the city council to reject all bids. The letter read in part:

"Official complaints have come to us from Mr. Don Cameron, general representative of the United Brotherhood of Carpenters and Joiners of America, and Mr. Alvin Abshire, secretary of the Woodland Branch of the same union, to the effect that in the call for bids in the construction of the new city hall at Woodland, the city council has deliberately set a wage scale for carpenters and other craftsmen, which is much less than the known general prevailing scale in the City of Woodland. It is alleged that the scale set is not only a violation of the spirit of the prevailing rate law, but a violation of the actual letter of the law, as well."

"In connection with the complaints we have submitted to us newspaper reports of the meeting at which the attention of the city council was called to discrepancies between the scale set and the general prevailing scale

and the advertisements which were printed in the Woodland papers of November 18, 1931, in which the scale set by the city council and the general prevailing scale compared from this table it appears that there is a very glaring difference between these scales, which difference is so marked as to necessitate under the law that the scale be changed and a new call for bids made."

"In this connection we are sending you a copy of a letter sent to Mr. Frank C. Macdonald, president of the State Building Trades Council of California, on September 18, 1931, defining our policy with reference to the prevailing rate law, which law has been delegated to this division for enforcement."

"We feel certain that the violation in this case has been unintentional and due to misunderstanding of the terms of the act, as we cannot bring ourselves to believe that you and the other members of the city council would intentionally violate your oaths of office and set a minimum scale of your own choosing when the law requires that you set the 'General prevailing rate' for work of a similar character in the locality in which the work is performed."

"Surely if the legislature meant to allow you to set a rate of your own choosing, it would not have enacted a prevailing rate law, but would have enacted a minimum wage law and given the awarding body the power to set a minimum. This it has not done, but has made it mandatory on the awarding body to follow the general prevailing rate in private occupations and has made it a misdemeanor offense for you and the other members of the city council to 'omit to comply with any of the provisions of the act.'"

"We regret having to take this matter up with you, but trust that the action of the council will be reconsidered and that we will be advised that a new call for bids will be had so as to comply with the spirit and letter of this act of the legislature, which is binding upon you and your associates of the city council."

"Glaring instances" cited by Johnson included the wages for bricklayers, which were specified at \$6 in the city's call for bid, although the general prevailing scale at Woodland is \$9 to \$12 and the state is paying \$12 in that vicinity.

For carpenters, the city specified a minimum of \$6 although the prevailing scale is \$8 and the state pays \$9.

very nearly true, or will be this winter.

"But, there is the additional hope that in the last few weeks the prices of houses have started to rise. Building is still a biological necessity. The desire to change from city to country is stronger and more fundamental than the country to city urge. We must all walk on green grass and occasionally feel natural."

"Socrates expressed the fear that the human race was losing all attachment to the soil because living in the high apartments of the paved city of Athens had created an artificial life. After two thousand years this story was heard in 1929, but that idea is over."

"People do not want to own a cooperative part of a bee-hive smothered by smoke, deafened by sound and fumed out by gasoline; but they do thrill at the idea of a home where they can close the gate and defy the world."

"In New York and other large cities, the lack of city planning has made for the breakdown of communication and the collection of people. Even now the millionaire on Park Avenue lives in poorer quarters than the lowliest peasant in many countries abroad."

"Wall Street where he works is even worse. It is only by such gigantic group efforts as Mr. Rockefeller's Center that the city can be saved from suffocating and from a fate like that of Siena in the 1300's. Unfortunately we have too few Mr. Rockefellers, and it will take years for this lesson to do any good."

"The people who work and live under bad conditions during boom times will have to go back to the country; and this means more homes. Who is to provide these? The building industry or the great individual corporations?"

"The latter have already made great strides, for they realize that the answer is a mass-produced house made in a factory as an auto is made; taking advantage of a standard product, continuous production winter and summer, with a factory wage of \$7.00 a day in place of a job wage of \$12.00 a day for the bulk of the work."

"After a year's study I am convinced that the architect, producer, contractor and union laborer can do a better job already such men as Kerkner, Davidson, Fuller, Beckwith and Davis have studied this problem for years. I have such faith in the possibilities that I have built a house of glass and aluminum in which to live and study the advantages and defects of the method."

To develop our work in this field we need a research bureau, whose task it will be to study and produce a house which can be sold for \$3,000 on very long term credits permitting installment payments and pay a profit."

"It must be fireproof, storm-proof and floodproof; full of sunlight; with every modern device; erected by union labor; sold by present material men; and able to pass all building laws. It must be capable of being erected in a week or less; be light, mechanically simple, and perfectly planned to relieve the housewife of all drudgery."

"One item which will be a great aid is the change in fashion which has come in the designs of furnishings and houses in recent years—modern design through which the machine is used in place of the craftsman and individual artisan of the past."

"This style lends itself particularly to mass production. Builders in this country do not yet realize how definitely this style has spread over Europe."

IDEAL HOME FOR \$3,000 URGED TO SOLVE LOW-COST HOUSE PROBLEM

An ideal home built to sell for \$3,000 and capable of being erected in a week should be evolved by architectural research to solve the low-cost housing problem, it is declared by Wallace K. Harrison of the New York Chapter of the American Institute of Architects.

Building is almost the only field that is under-produced rather than over-produced, he says, asserting that business must look to the construction industry for an upturn.

"There were 300,000 houses built in 1929 at prices around \$5,000—a billion dollar industry," continues Mr. Harrison.

"There have been less than 100,000 built this year at less than \$5,000, or 30 per cent of the 1929 figure. From

1920 to 1923 there was no building. We had a boom from 1923 to 1926. In 1926 we had caught up the slack; from 1926 to 1928 we were building surplus. Since 1928 we have been trying to digest this surplus."

"While the three great questions of today, the treaty of Versailles, Russian dumping, and general over-production, may affect us vitally, it is to the building industry that we must look for signs of recovery."

"Unfortunately, due to lack of incentive, the condition of the industry now is creating problems for both architects and producers. Eddie Cantor's story about the Indians getting the best part of the deal when they sold Manhattan Island for twenty-four dollars and a few bottles of rum is

HIGHWAY CONSTRUCTION SHOULD KEEP APACE OF VEHICLE INCREASE

Address by W. R. Smith, president, Lane Construction Co., Meriden, Conn., and president of the American Road Builders' Association, Washington, D. C., at the National Transportation Dinner of the American Society of Automotive Engineers, October 29, 1931, Shoreham Hotel, Washington, D. C.

Orderly progress and the necessity of balancing costs against returns in any business makes a periodical inventory necessary. This is particularly true of highway transportation because the roads over which vehicles run are owned and administered by the general public which demands an exact accounting.

Over the public highway are operated vehicles used for recreation, private business, and the hauling of people and goods for profit. This traffic has grown faster than highways could be provided during the past decade. There has been an under-production of highways. The present cost of transportation on improved roads and streets must be compared with the cost on unimproved highways to get a clear picture of the facts and figures in our inventory.

Let us examine some of the facts and figures about transportation by highway. Only a few years ago highway travel was slow, expensive, and laborious depending on animals for power and hindered by poor roads. Costs of transportation were as high as 25 cents per ton-mile over the best roads of the day as contrasted with 6 cents per ton-mile over modern improved highways. The speed of travel has increased at least ten-fold, or from 5 miles an hour to 50 miles an hour. The cost and difficulties of maintaining for power horses that consumed almost as much food when idle as when working must be contrasted with the modern motor that uses no fuel when not at work.

The pleasure travel bill by motor vehicle last year amounted to \$3.-200,000,000 in the United States according to figures of the American Automobile Association. This money was spent in all parts of the country for necessities incident to travel.

The public investment in motor vehicles and in roads and streets on which they operate now approximates 30 billion dollars, or more than the total investment in railroad tracks and rolling-stock. Highway activities considered as an operation owned by the public and operated for public welfare is the largest public utility in the United States. This investment of public money must be maintained to proper working efficiency, and additions made to the useful system to reduce the cost of transportation as well as to facilitate the speed and comfort of travel.

Let us view a few figures as to where we stand on road and street building. There are some 3,000,000 miles of country roads in the United States, and probably not less than 250,000 miles of city streets. Only 3,000,000 miles of country roads, only 700,000 miles have been surfaced to provide a firm roadbed for vehicles. City streets have a higher percentage of improvement. Of the 700,000 miles of surfaced roads, about 200,000 miles are state highways and 500,000 miles are roads of local use. The federal government has paid part of the cost of building only 85,000 miles of state roads, of which 51,000 miles are of pioneer type without strong surfaces. It is seen, therefore, that the build-

ing of a complete highway system to cure for the 26 million motor vehicles in the United States hardly has more than begun.

In 1902 the total mileage of improved roads was but 150,000 and the registration of motor vehicles was 23,000, or six miles of road per automobile. Today the mileage of improved roads is 700,000, or 37 vehicles per mile of road. We have passed from a condition of freedom of travel to a situation where the roads are congested with traffic. Proof of this statement may be obtained from almost any automobile driver — especially a Sunday driver. Further proof is in the accident record last year when 33,000 people were killed and nearly a million injured in highway accidents.

The economy of improved highways may be illustrated by a simple example. Extensive research work has shown that the operating costs of an average motor vehicle is 2 cents a mile greater on an unimproved highway than on a surfaced road. It is clear, therefore, that an unimproved highway carrying 1000 vehicle a day costs the vehicle owners \$20 a mile in increased operating costs more than they would have to pay on a surfaced road. In a year this loss amounts to \$7300, sufficient to pay the cost and maintenance on a \$93,000 per-mile highway, or several times the cost of the best type of highway.

Let us approach the matter of economy from another direction. Just how much has the public saved by improving 700,000 miles of surfaced highways? The gasoline consumption in 1930 was 15 billion gallons. Half this fuel probably is used in vehicles traveling on surfaced roads. If these vehicles traveling only 12 miles on a gallon traversed 90 billion miles of highways. From this figure of 2 cents a mile saved to the vehicle driver because of the improvement of the highways, it appears that the saving to the public due to the surfaced roads is \$1,800,000,000 annually. This sum would have been paid out by the traveling public had the roads not been surfaced. The money saved is more than is expended on roads, a large part of which goes for capital investment in more improved roads, which, in turn, save more dollars for the taxpayers.

What part of the freight and passenger business of the United States are these highways carrying? Commercial freight traffic in the United States handled by all transportation agencies amounted in 1929 to 650 billion ton-miles according to figures of the Interstate Commerce Commission. This freight was handled as follows: steam railroads, 75.8; electric railroads, motor trucks, airplanes, 3 per cent; pipe lines, 4.9 per cent; inland waterways, 16.3 per cent. Motor truck transportation is an almost unappreciable part of the total freight movement. Moreover, it is estimated by the chief of the United States Bureau of Public Roads that the maximum capacity of the highways for motor freight is 100 billion ton-miles, only 15 per cent of the total commercial tonnage moved in 1929.

Many railroads are operating motor freight and bus lines. In 1930 about 80 railroads operated 4000 buses and 60 railroads operated 7000 trucks. The property investment of railroads in motor freight equipment was about \$40,000,000 in 1930.

Travel on railroads in 1929 amounted to 31 billion passenger miles; the

travel on highways, based on gasoline consumption at 32 miles per gallon and 15¢ passenger-mile per car, is about 300 billion passenger-miles.

The ideal situation as started by officials of the Interstate Commerce Commission would be for passengers and freight to be handled by the most economical transportation agency. Today, there are many forms of transportation, each offering certain advantages for the shipper or the traveler. The interests of the public should be considered of first importance in an matter of transportation.

At the present time there is need to put men to work and to start the wheels of industry turning. The money expended on roads and streets this year employed more than a million men and it is estimated that two million others are busy furnishing materials, equipment, and supplies to road workers. Federal aid and state road building this year exceeded a billion dollars and employed 350,000 men; county and township road work expended in excess of two-thirds of a billion and probably as many men were at work because of its diversified character; city paving, somewhat reduced this year, had almost as many men on the payrolls.

Analysis of the dollar spent in road and street building projects increases the national wealth — a wealth that belongs to the public rather than to individuals. The results of money spent for roads and streets will remain long after the depression has passed.

So in taking even such a rough inventory as we have made, it appears clearly that true economy lies in the improvement of the 2,300,000 miles of roads that are yet unsurfaced. This improvement must be made to reduce operating costs and it is profitable from that standpoint alone. Safety to the public requires that highway improvement be such that congestion will be relieved and accidents reduced. Finally, until improvement in highways approaches in some measure the increase in vehicles, it is evident that increased highway programs bring safety, economy, and comfort to the traveling public.

HOME BUILDING REVIVES IN N. W.

Construction of single-family dwellings, considered by many an extremely important index of business trends, seems to be reviving in the Northwest and Mid-West, the Business Week reports.

Northwest Bancorporation of Minneapolis, with large bank holdings in 10 states, has completed a survey showing an increase of 11.8 in number, 9.5 in value, of homes built in the first 10 months of 1931 compared with the similar period of 1930.

Data were collected from 32 cities of 10,000 population or more in Minnesota, Western Wisconsin, Iowa, Nebraska, North Dakota, South Dakota, Montana, Wyoming, Idaho, and eastern Washington. The gains were made in Duluth, St. Paul, Minneapolis, Cedar Rapids, Des Moines, Mason City, Ottumwa, Omaha, Grand Forks, Sioux Falls, Cheyenne, and Boise. The other 20 cities studied showed declines.

In first 10 months of 1930 the 32 cities studied built 2,554 single-family dwellings, value \$11,959,000. In the corresponding period of 1931, the same cities built 3,305 single houses, value \$13,125,000. Average cost per dwelling in 1930 was \$4,058; this year, \$3,972. But, owing to lower construction costs, the type of house built is considerably better this year than last.

STEEL ORDERS DECREASE IN NOV.

Unfilled orders of the United States Steel Corporation decreased 185,541 tons in November to a total of 2,363,881 tons as of November 30. In October a decrease of 25,611 tons was reported.

The backlog as of October 31 was 3,119,432 tons. On September 30 unfilled orders aggregating 3,144,833 tons, against 3,169,457 tons on August 31. As of November 30, 1929, unfilled 3,169,457 tons on August 31.

A moderate change in the corporation's unfilled tonnage was expected by observers of the industry. It was pointed out that production during the last month was at a low figure and that the management previously had shown its ability to keep output and incoming business evenly balanced.

BUILDING BAN IN PROPOSED ROAD AREA IS LIFTED BY COURT

The Arkansas supreme court has handed down a decision affirming that of the Lonoke County chancery court, holding that cities and towns cannot arbitrarily prohibit the erection of buildings along extended areas of streets sought to be widened for highway construction. The state highway commissions intends at some future time to widen the highway through the town of Cabot, and in support of the plan the Cabot town council passed an ordinance making it unlawful to erect buildings on the proposed highway route within the extended boundaries, a distance of 50 ft.

This ordinance is invalidated by the decision of the court, which holds that the highway commission's attempt to enjoin property owners along the route from proceeding with construction is an indirect attempt to take private property for public use without just compensation, prohibited by the state constitution.

BUILDING SLUMPS DURING NOVEMBER

Building permit values in 215 cities of the United States amounted to \$57,603,223 during November, Bradstreet's reports. This compares with a total of \$113,316,957 for November last year and \$166,026,423 for the corresponding month two years ago.

The total value for the 215 cities shows a drop of 25.1 per cent from October this year, compared with a normal seasonal decline of 12.1 per cent.

This decline applies for the country as a whole, but two sections showed gains over October, New England with 1.6 per cent and the South 13.3 per cent.

\$18,000,000 FOR REFRIGERATOR ADS

In preparation for a campaign with a goal of selling 1,000,000 electric refrigerators during 1932, the National Electric Light Association has appropriated \$300,000 for advertising in five monthly and weekly magazines.

Quotas for local advertising have also been set, calling for use of \$2,500,000 through local bureaus and utility companies, upon a basis of 10 cents per domestic meter.

Additional expenditures by local distributors and dealers will swell the year's expenditures for electric refrigerator advertising to the estimated total of \$18,000,000.

ALONG THE LINE

January 12 has been named by the directors of the Imperial Irrigation District as the tentative date for an election to vote on the approval of the All-American Canal contract recently submitted to the Secretary of the Interior. A temporary injunction against the district, asked by land owners in the district who believed that the contract would jeopardize established water rights, has been vacated by United States Judge Paul McCormick. The petition asked for a permanent restraining order.

Floyd Cowan, landscape architect, has been employed by the Board of Public Works of Palo Alto, as a consultant on park planning. He will receive a salary of \$50 a month, commencing January 1.

Expenditure of \$500,000 is being considered by the city council of Seattle to pave between the street car tracks of the municipal railway, following a ruling by the corporation counsel that unemployment relief funds may be used for this work.

Instructions to report on a plan for construction of a 60,000-kw. steam-generating plant by the city of Los Angeles at Wilmington, have been issued to a committee of the city's department of water and power by the board of water and power commissioners. Under an agreement between the city and the Southern California Edison Co., Ltd., the city cannot operate a steam plant until May, 1932.

According to word from Mexico City reports from Jalapa, capital of Vera Cruz, labor unions have demanded that the state take care of unemployed members. The unions contend it is the state's obligation to provide its residents with food, clothing, homes and other necessities of life so long as they cannot find work.

H. L. Carnahan, state building and loan commissioner, has announced his intention of resigning his position the end of this month. Carnahan accepted the appointment from Governor Rolph last Spring on a temporary basis. It is expected that Friend W. Richardson, former governor, will be given the position, which pays \$6,000 a year.

A 16-page book recently issued by the Reading-Pratt & Cady Company, Bridgeport, Conn., gives a complete description of the new Lubrotite Gate Valve with its uses. This valve differs from the ordinary gate valve in that it has a unique dust system for introducing a lubricant-seal between the seating surfaces. This results in tight seating even though the seats of the valve become injured in service, retards corrosion, and gives easier valve operation.

John Kerns, 76, building contractor of Fresno for the past twenty years, died in that city Dec. 12. Kerns was born in Carl, Ind. His widow and six children survive.

Los Angeles Box & Veneer Co., operating a box factory and separator plant in Los Angeles, has recently started a cedar battery separator plant at Arcata in Humboldt County. Ample supplies of Port Orford cedar are available there. The battery separators will be shipped to Los Angeles and to Eastern and foreign markets.

The United States, at the end of 1930, had developed water-power of 14,885,000 horse-power out of an estimated potential capacity of 38,000,000 horse-power, according to the figures of the United States geological survey of the United States Commerce. The reported in Domestic Commerce. The estimated total water-power for the world was estimated at 46,000,000 horse-power, representing a 100 per cent increase over the 1920 figure of 23,000,000 horse-power.

Representative Harry L. Englebright of California declares that California spruce, sugar pine and redwood will have more than an even break against steel for the material used in window frames, doors, sashes and flooring of federal buildings throughout the country.

He said: "In company with Representatives Swing, Free, Kahn, Welch and Curry, I have taken up with Supervising Architect of the Treasury Wetmore the discrimination which has been made in the past in calling for bids for work on federal buildings throughout the country in which steel has been demanded for windows, doors and floors.

"We were accompanied by members of the Wisconsin delegation in the house. On our showing that the fire risk and the insurance rates would be the same, except in the case where extremely expensive steel construction was used, Wetmore assured us that in the future bids would be asked which called for either steel or wood.

"Since wood window sashes and doors can be furnished at a much lower cost than those of steel, and will be just as satisfactory, it should mean that practically all such work on federal buildings in the future will give our mills a chance to bid, instead of being excluded, as they have been in some cases by the specifications, which called for steel alone."

"Construction of Residences," a new German handbook (DIN Taschenbuch 18) containing over 200 pages of technical data of interest to builders of private homes, has just been issued. The book reproduces German standard (DIN) sheets showing dimensions of windows and doors, construction of stairs, electric wiring rules, requirements for heating and plumbing, and includes several pages of standard symbols for use on plans. Copies of the handbook may be purchased from the American Standards Association, 29 West 39th St., New York City, for \$3.00.

New York state announces an increase in workmen's compensation insurance rates, effective September 1st, averaging 15 per cent. At the beginning of the year, an average increase of 10 per cent became effective. The rise consists of a 6.7 per cent increase to cover indemnity and medical losses suffered in 1931, 3.5 per cent to provide for steadily mounting medical losses and 4.7 per cent emergency allowance for the anticipated deficiency in premium income.

Westinghouse Electric and Manufacturing Company announces that instructions have been issued to the various plant managers to make a reduction in the base wage scale which will average 10 per cent. The reduction will become effective January 1.

Shaw - Bertram Lumber Co., with headquarters at Klamath Falls, Ore., recently established a branch office in San Francisco at 1 Montgomery St., with C. R. Wisdon in charge.

Building News Section

APARTMENTS

Preparing Plans—Contract Awarded.
ALTERATIONS. Cost, \$50,000
LOS ANGELES, Cal. No. 945 Wilshire Blvd.

Alterations to eight-story reinforced concrete apartments.
Owner—E. B. Giffen.
Architect—Albert C. Martin, Higgins Bldg., Los Angeles.
Contractor—Bavin & Burch, 173 E. Jefferson St., Los Angeles.

Plans Being Completed.

APARTMENTS. Cost, \$—
SAN FRANCISCO. N Pacific Ave.
161-3 W Webster St.

Four-story and basement steel frame and concrete apartments (16 4-room apts.); concrete walls, composition roof, elevator, steam heating system, hardwood floors, colored tile baths and kitchens).
Owner and Builder—L. D. Stoff, 3255 Erderick St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Segregated bids will be taken within one week.

Planned.

APARTMENTS. Cost, \$500,000
SAN MATEO, San Mateo Co., Cal. El Cerrito and El Camino Real.

Six-story apartment.
Owner—Jean de St. Cyr, El Cerrito, Hillsborough.
Architect—Willis Lowe, 354 Hobart St., Oakland.

Erection of the building depends upon the rezoning of the district to residential No. 2.

Elevator Contract Awarded.

APARTMENTS. Cost, \$250,000
SAN FRANCISCO. Cor. Fillmore St. and Pacific Ave.

Six-story and basement reinforced concrete apartment house (2-story basement for garages; steam heat, oil burner, electric refrigeration, incinerator, etc.; 60 2- and 3-room apartments; all modern equipment and finishing).

Owner—Marian Realty Co., 110 Sutter St., San Francisco.

Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Elevator—Atlas Elevator Co., 34 Harriet St., San Francisco.

As previously reported, concrete awarded to Vannucci Bros., 1875 San Bruno Ave.; incinerator to Kerner Incinerator Co., 450 Clementina St.; structural steel to McClintic-Marshall 2050 Bryant St.

Sub-Bids Being Taken.

APARTMENTS. Cost, \$—
SAN FRANCISCO. N Pacific Avenue
— 161-3 W Webster Street.

Four-story and basement steel frame and concrete apartments (16 4-room apts.); concrete walls, composition roof, elevator, steam heating system, hardwood floors, colored tile baths and kitchens.

Owner and Builder—L. D. Stoff, 26 Montgomery St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Planned.

APARTMENT. Cost, \$10,000

SACRAMENTO, Sacramento Co., Cal.
3140 Y Street.

Two-story frame and stucco apartments (5 apts.)

Owner—J. Edenhofer, 3030 17th Street, Sacramento.

BONDS

CLAREMONT, Los Angeles Co., Cal.
—The Claremont elementary school district will hold an election the last week in January at which time it is proposed to vote bonds in the sum of \$108,000 for the erection of additions and new school buildings at Claremont. Marsh, Smith & Powell, 516 Architects' Bldg., Los Angeles, are the architects for the district.

CHURCHES

WILLOWS, Glenn Co., Cal.—Reconstruction of the 1st Methodist Church, recently destroyed by fire, has been started. The cost is placed at \$8,400. All contracts will be let locally.

HANFORD, Kings Co., Cal.—Church of the Nazarene has been granted a building permit by the city council to erect a one-story frame edifice at the northwest corner of Harris and Ivy Sts.; will have stucco front and tile roof; auditorium, 40 by 48 ft.

Construction Started.
CHURCH. Cost, \$125,000
SANTA BARBARA, Santa Barbara Co., Cal. Santa Barbara and Valerio Streets.

One-story reinforced concrete and steel church (to seat 800) tile roof, structural steel, steel sash, heating and ventilating systems, art stained glass, etc.

Owner—First Church of Christ Scientist.

Architect—H. H. Gutterson, 526 Powell St., San Francisco.

Contractor—W. L. Snook, 1335 Mission Bridge, Santa Barbara.

FACTORIES AND WAREHOUSES

SUNNYVALE, Santa Clara Co., Cal.
—Granite Rock Co., Watsonville, has purchased a five-acre site on the Bayshore Highway near the Sunnyvale

SKILSAW Portable Electric Hand Saws (4 models).

SKILSAW Portable Electric Sander
SKILSAW Radial Arm Attachments.

SYNTRON Portable Electric Hammers (4 models, motorless).

MALL Flexible Shaft Machines (50 models).

Electric Drills, Grinders, Buffers, Routers, Lock Mortisers.

PETER H. NELSON

Labor Saving Portable Electric Tools.

1248 Mission St.

San Francisco

SALES . SERVICE . RENTALS

Underhill

7662

Druggists Base and will establish a paving plant and storage quarters. The site is served by a spur track.

GARAGES AND SERVICE STATIONS

Contract Awarded.
PRODUCE BLDG. Cost, \$24,000

SAN DIEGO, San Diego Co., Cal.
Class C brick and steel produce bldg. (steel columns and beams, steel sash, concrete floors and composition roof, and alterations and additions to present building).

Owner—Safeway Stores, Inc., Fourth and Jackson Sts., Oakland.

Architect and Engineer—Roeth, Couchot & Rosenwald, 525 Market St., San Francisco, and 1404 Franklin St., Oakland.

Contractor—F. E. Young Co., Inc., Bank of Italy Bldg., San Diego.

Contract Awarded.
PLANT ADDITION. Cost, \$25,000
SACRAMENTO, Sacramento Co., Cal.

20th and R Sts.

One-story brick addition to plant (80x 160-ft., tar and gravel roof, sprinkler system).

Owner—Valley Wholesale Grocery Co. (Frank, Andrew and Chas. Arata, owners), premises.

Plans by Theo. Schluckebier.

Contractor—Theo. Schluckebier, 3140 Marshall Way, Sacramento.

Sprinkler System—Q 10 b Automatic Sprinkler Co., 440 Howard St., San Francisco.

KING CITY, Monterey Co., Cal.—Packing plant of the King City Meat & Packing Co. was destroyed by fire Dec. 10 with a loss of \$10,000.

Prospective Bidders.
WAREHOUSE, Etc. Cost, \$20,000
HAYWARD, Alameda Co., Cal.

Group of buildings (warehouse, garage, residences, etc.; corrugated iron and wood frame construction).

Owner—Pacific Gas and Electric Co., 245 Market St., San Francisco.

Plans by Eng. Dept. of Owner.

Following contractors have secured plans:

A. F. Hanson, Main St., Hayward.

George Petersen, San Leandro.

Gaubert Bros., 4735 Brookdale Ave., Oakland.

Emil Person, 829 San Luis Road, Berkeley.

R. W. Littlefield, 337 17th St., Oakland.

H. J. Christiansen, Ray Building, Oakland.

W. G. Thornally, 354 Hobart St., Oakland.

George Maurer, 50 York Drive, Oakland.

Bids are to be opened Dec. 18th.

Plans Being Figured.

MILK PLANT. Cost, \$—
LOS ANGELES, Cal. E 61st St. near Eastern Avenue.

Two-story and basement brick and concrete milk plant.

Owner—Dairymen's Feed & Supply Co., 947 Maple Ave., Los Angeles.

Architect—Paul J. Purnan, 624 La Brea Ave., Los Angeles.

SANTA CLARA, Santa Clara Co., Cal.—Simons-French Co., New York City, fruit packers, contemplate im-

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to the construction of a vegetable storage building (140x200-ft.) at the Southern California Fruit Canners' Association. The building is to be used for storing and packing lemons, oranges and other fruits for Eastern shipment. Robert H. Jones, California manager for the company, has already contracted with growers in the Santa Clara Valley to produce the crop.

Completing Plans.
SACRAMENTO BLDG. Cost, \$20,000
UPLAND, San Bernardino Co., Calif.
Fourth and A Streets.

Three-story reinforced concrete lemon storage building (140x200-ft.).
Owner—Upland Lemon Growers' Assn.
L. R. Roberts, 200 E. 1st St., Upland.
Architect—W. W. Ache, 1616 4th Ave., Los Angeles.

Bids to be taken in three weeks.

Construction Started.
PACKING PLANT Cost, \$—
ORLAND, Glenn Co., Calif.
Concrete and corrugated iron frame
packing plant (22,000-sq. ft. of floor space).

Owner and Builder—Hardy Brothers, Orland.
Architect—Not Given.

MT. SHASTA, Siskiyou Co., Cal.—
M. G. Smith P. O. Box 121, Mt. Shasta,
at \$5,750 awarded contract by State
Highway Commission to erect main-
tenance station buildings, comprising
bunkhouse, standard truck shelter,
gasoline and oil house, blacksmith
shop, single woodshed, septic tank,
and laundry field. Complete bids pub-
lished in issue of December 8.

FLATS

Sub-Bids Being Taken.
FLATS Cost each, \$6,000
SAN FRANCISCO, SW Cortland and
Bocano.
Two-story and basement frame and
stucco flats (2 flats).
Owner and Builder—J. Moroncelli, 11
Bennington Street.
Architect—G. A. Berger, 309 Valencia
Street.

To Be Done By Day's Work.
FLATS Cost each, \$8,000
SAN FRANCISCO, E 18th Avenue S.
Judah St.
Two 2-story and basement frame and
stucco flats (2 flats).
Owner and Builder—A. Peterson, 1620
8th Ave.
Plans by Owner.

Plans Completed.
FLATS Cost, \$12,000
SAN FRANCISCO, E Leavenworth
St. S. Filbert St.
Two-story and basement frame and
stucco flats (2 5-room flats) (tile
and composition roof, hardwood
floors, mahogany trim, colored
tile baths and kitchens, electric
refrigeration, etc.)
Owner—L. Vannucci, 426 Broadway,
San Francisco.
Architect—C. Fantoni, 550 Montgom-
ery St., San Francisco.

GARAGES AND SERVICE STATIONS

Sub-Contracts Awarded.
GARAGE Cost, \$6500
OAKLAND, Alameda Co., Cal. SE
Bay Place and Harrison St.
One-story brick and tile garage.
Owner—J. K. Nelsen, 1512 Everett
Ave., Oakland.
Architect—Miller & Warnecke, Fi-
nancial Center Bldg., Oakland.
Contractors—Johnson & Pedersen, 3413
Albion St., Oakland.
Concrete & Cement Work—Nat Lena,
1174 19th St., Oakland.

Brick and Tile Work—George Addison,
2329 Minna Ave., Oakland.
Lumber and Mill Work—Zenith Mill &
Lumber Co., 2101 E-12th St., Oak-
land.
Steel Construction—Herrick Iron Wks
18th and Campbell Sts., Oakland.
Roofing and Roof Tile—M. & S. Tile
Co., Decatur.
Steel Sash—Harold Haglund, 3562 Wil-
son Way, Oakland.

Sub-Contracts Awarded.
GARAGE Cost, \$—
MORAGA, Contra Costa Co., Cal. St.
Mary's College.
One-story hollow tile garage (15-car
capacity) concrete floors, wood
roof.
Owner—St. Mary's College, premises.
Plans by Eng. Dept. of Owner.
Contractor—Barrett & Hilp, 918 Har-
rison St., San Francisco.
Overhead Doors—Overhead Door Co.,
557 Market St., San Francisco.
Lumber—Rolando Lbr. Co., 301 Berry
St., San Francisco.

Additional Sub-Contracts Awarded.
GARAGE, ETC. Cont. price, \$20,062
WEST OAKLAND, Alameda Co., Cal.
California Blvd. and Gough St.
One-story reinforced concrete garage
(40x209 ft.) corrugated iron roof,
one-story frame and stucco office
(50x90 ft.) built-up roof, and one-
story frame trailer shed (40 ft.
in length).
Owner—Merchants Express & Drying
Co. (Mr. Scott in charge), 1640
18th St., Oakland.
Architect—Geo. Ellinger, 1723 Webster
St., Oakland.
Contractor—Nick Wierck, 1560 Alice
St., Oakland.
Wiring—Scott-Buttner Electric Co.,
19 Grand Ave., Oakland.
Sheet Metal—Edgar W. Anderson Co.,
3102 San Pablo Ave., Oakland.
Structural Steel—Independent Iron
Works, 1320 Chase St., Oakland.
Other awards previously reported.

Contract Awarded.
ALTER GARAGE Cost, \$2000
SAN FRANCISCO, CAL. S. E. 26th
and Valencia Sts.
Alteration to brick garage (new gar-
age entrances, overhead doors,
structural steel and brick work).
Owner—Mission Garage, 26th and Va-
lencia Sts.
Architect—Plans by Owner.
Contractor—Empire Construction Co.,
Shell Bldg., San Francisco.

Plans Being Figured.
SERVICE STATION Cost, \$5000
OAKLAND, Alameda Co., Cal. Loca-
tion withheld.
One-story brick service station.
Owner—Equity Oil Company.
Architect—H. K. Jensen, 354 Hobart
St., Oakland.

Plans Being Prepared.
GARAGE Cost, \$12,000
BERKELEY, Alameda Co., Calif. Du-
rant St. and Shattuck Ave.
One-story reinforced concrete garage
(40x130-ft.; tar and gravel roof,
steel rolling doors, etc.)
Owner—University Chevrolet Co., 2349
Shattuck Ave., Berkeley.
Architect—W. H. Ratcliff, Jr., Cham-
ber of Commerce Bldg., Berkeley.
Bids will be taken in about 10 days.

GOVERNMENT WORK AND SUPPLIES

SACRAMENTO, Cal.—Until Dec. 23,
3 P. M., under Circular Proposal No.
32-203, Specifications No. 4006-1896-
CLR, bids will be received by U. S.
Engineer Office, California Fruit Bldg.

to furnish and deliver miscellaneous
castings, as follows:
(1) repair one low pressure cylinder;
(2) follower for low pressure piston;
(3) one cylinder head for low pressure
cylinder;
(4) three piston valves, dynamo en-
gine.

WASHINGTON, D. C.—Until Jan. 5,
bids will be received by the Bureau of
Supplies and Accounts, Navy Dept.,
Washington, D. C., to furnish and de-
liver materials and equipment to Pa-
cific Coast Navy Yards and Stations,
further information on the schedules
listed being obtainable from the Navy
Purchasing Office, 100 Harrison Street,
San Francisco:

San Francisco harbor, 1 motor-driven
crank shaper; sch. 7072.

San Francisco, 1 motor-driven shap-
er; sch. 7074.

Puget Sound, 3 motor-driven radial
drilling machines; sch. 7070.

Mare Island one 8-ft. lift and four
18-ft., 2-ton capacity chain hoists; sch.
7064.

Mare Island, one motor truck; San
Francisco, one do; sch. 7062.

Mare Island, 1,200 lbs. copper-nickel
alloy, sheet; sch. 7087.

Mare Island, 5,000 lbs. seamless cop-
per tubing; sch. 7084.

Mare Island, 15,000 lbs. mineral lu-
bricating grease; sch. 7082.

Mare Islands, 15,300 insulating dia-
tomaceous bricks and 3,150 sq. ft. un-
calcined diatomaceous earth heat in-
sulating blocks; sch. 7081.

San Diego, 1,700 lbs. sheet alumi-
num-alloy; sch. 7085.

Puget Sound, 1 motor-driven heavy
duty vertical milling machine; sch.
7078.

San Diego, 14 davenport and 56 club
chairs; sch. 7088.

Mare Island and Puget Sound, com-
bined condensate pumps and spares;
sch. 7098.

Mare Island, 1 motor truck chassis;
sch. 7060.

San Francisco, 1 steam-driven hoist-
ing engine; sch. 7102.

WASHINGTON, D. C.—(By Special
Wire)—Jack Casson, Hayward, Calif.,
at \$12,514.40 submitted low bid Dec.
16, under Specification No. 6704, to the
Bureau of Yards and Docks, Navy De-
partment, Washington, D. C., for
grading and graveling and oil treat-
ing an existing road at the Naval Air
Station at Sunnyvale.

Plans Being Completed.
ADMIN. BLDG. Cost approx. \$200,000
PORTLAND, Oregon. Veterans' Hos-
pital.
Administration building.
Owner—United States Government.
Plans by Construction Division, U. S.
Veterans' Bureau, Washington, D.
C.
Bids will be asked in about two
weeks.

PEARL HARBOR, T. H.—Bureau of
Yards and Docks, Navy Dept., Wash-
ington, D. C., is preparing Specifica-
tion No. 6743 to reconstruct the Loco
House at Pearl Harbor.

SALT LAKE CITY, Utah.—J. H.
Walsh Plumbing Co., Salt Lake City,
at \$9800 submitted low bid to Super-
vising Superintendent of Construction,
U. S. Veterans' Hospital, Palo Alto,
Calif., for installing gas distribution
lines and gas and oil burning equip-
ment at the Veterans' Hospital at Salt
Lake City, Utah. This work will con-
sist of excavating, backfilling, piping,
valves, fittings, non-conducting pipe
covering, regulators, fuel oil tank,
concrete foundations and pipe trench;
oil pumps, strainers, heaters, traps,
meters, thermostatic regulator, relief
valves, oil burners, gas burners.

cranes, lower the lower leader fronts, masts, controllers, cables and wiring. Following is a complete list of bids received:

J. H. Welch Plumbing Co., Salt Lake City, \$800, 30 days.

Associated Piping & Engineering Co., Los Angeles, \$10,000, 90 days.

Grinnell Lighting & Heating Co., Kansas, \$12,426, 90 days.

Bids referred to Washington for award.

SAN DIEGO, Cal.—Bureau of Yards and Docks, Navy Department, Washington, D. C., is preparing specifications No. 6689 for installation of gasoline tanks at San Diego. Specifications No. 6662 are also being prepared for landing field lights; specifications No. 6665 for improvement of drainage system, and specifications No. 6717 for extension of one building, all at San Diego.

PEARL HARBOR, T. H.—Bureau of Yards and Docks, Navy Department, Washington, D. C., is preparing specifications No. 6711 involving the construction of a seaplane beach and paving in connection therewith at Pearl Harbor.

LONG BEACH, Los Angeles Co., Cal.—The following contractors have procured plans for the purpose of submitting bids to the Treasury Department on January 5 for the construction of the new U. S. post office in Long Beach:

Ralph Solitt and Sons Const. Co., 518 E. Sample St., South Bend, Ind.

Andy Sordal, 222 Magnolia Avenue, Long Beach.

John Langura & Co., 3672 Adams St., Gary, Ind.

Therault Contr. Co., 534 E. Johnson St., Philadelphia.

Murch Bros. Const. Co., Railway Exchange Bldg., St. Louis, Mo.

Libby & Libby Co., 244 Second Ave., South, Minneapolis.

W. D. Lovell, 1415 18th St., S. E., Minneapolis.

Mittry Bros. Const. Co., Detwiler Bldg., Los Angeles.

Lindgren-Swinerton, Pacific Mutual Bldg., Los Angeles.

Pozzo Const. Co., 421 Macy St., Los Angeles.

R. E. Campbell Central Bldg., Los Angeles.

Robt. E. McKee, Central Bldg., Los Angeles.

H. Mayson, 9315 S. Hoover Ave., Los Angeles.

Wm. McDonald Const. Co., St. Louis Missouri.

Sarver & Zoss, Roosevelt Bldg., Los Angeles.

Myers Bros., 3407 San Fernando Rd., Los Angeles.

M. H. Golden, California Bank Bldg., San Diego.

SUNNYVALE, Santa Clara Co., Cal.—Plans for the following improvements in connection with the Sunnyvale Dirigible Base are being prepared by the Bureau of Yards and Docks, Navy Department, Washington, D. C.: Specification No. 6761—Helium Purification Plant.

Specification No. 6768—Gas Holder.

Specification No. 6765—Water, Sewer and Drainage Systems.

Specification No. 6706—Power Plant Building.

Specification No. 6707—Power Plant Equipment.

Specification No. 6708—Barracks, dispensary and administration building.

Further mention will be made of these improvements when bids for construction are asked.

WASHINGTON, D. C.—Specifications No. 6770 are being prepared by

the Bureau of Yards and Docks, Navy Department, Washington, D. C., for two floating cranes, one for Mare Island Navy Yard and the other for San Diego.

WEST LOCH, T. H.—Bureau of Yards and Docks, Navy Department, Washington, D. C., is preparing specifications No. 6714, involving the construction of a wharf at West Loch, T. H. Further particulars on this project will be available when the plans are further advanced.

MARE ISLAND, Cal.—As previously reported, bids will be received January 6, 11 A. M., by the Bureau of Yards and Docks, Navy Department, Washington, D. C., under Spec. 631, for Battery Overhaul Building, Substation and Acid Mixing Plant, Submarine Base, Navy Yard, Mare Island, Calif., are nearing completion. The work includes piles, concrete steel work, railroad track, built-up roofing, steel sash, rolling doors, mastic flooring, stucco hollow tile work, plumbing, gas, air, and acid piping, heating, electric light and power wiring, and electric cranes. Est. cost, \$240,000. Following additional contractors have secured plans:

Robert McKee, 108 W. 6th St., Los Angeles.

Schuler & MacDonald, 1723 Webster St., Oakland.

K. E. Parker, 135 South Park, San Francisco.

Healy-Tibbitts Constr. Co., 64 Pine St., San Francisco.

Raymond Concrete Pile Co., Hunter-Dulin Bldg., San Francisco.

W. G. Thornally, 354 Hobart St., Oakland.

Moore Dry Dock Co., Balfour Bldg., San Francisco.

Herrick Iron Works, 18th and Campbell Sts., Oakland.

Clinton Constr. Co., 923 Folsom St., San Francisco.

MacDonald & Kahn, Financial Center Bldg., San Francisco.

Dyer Bros. Golden West Iron Works 17th and Kansas Sts., San Francisco.

A. Frederick Anderson 1093 Longridge Road Oakland.

Minneapolis Steel & Machinery Co., Sharon Bldg., San Francisco.

E. T. Lesure, 87 Ross Circle, Oakland.

Crane Co., 61 New Montgomery St., San Francisco.

Sullivan & Sullivan, 3927 39th Ave., Oakland.

Judson Pacific Co., 609 Mission St., San Francisco.

Wm. Spiveck, Hobart Bldg., San Francisco.

Cahill Bros., 206 Sansome St., San Francisco.

Globe Electric Works, 1899 Mission St., San Francisco.

Ocean Constr. Co., 1327 Sixth Ave., San Francisco.

Clinton-Stephenson Constr. Co., Clay and Montgomery Sts., San Francisco.

M. H. Golden, San Diego.

Golden Gate Iron Works, 1541 Howard St., San Francisco.

McClintic Marshall Co., 2050 Bryant St., San Francisco.

Arthur H. Meyn Co., 163 Second St., San Francisco.

George A. Schuster, 4712 Grove St., Oakland.

Barrett & Hilp, 918 Harrison St., San Francisco.

Pacific Coast Steel Co., 20th and Illinois Sts., San Francisco.

Newberry Electric Corp., 726 S. Olive St., Los Angeles.

Western Iron Works, 141 Beale St., San Francisco.

National Surety Co., Russ Bldg., San Francisco.

Thomas, Box, Co., Coal Bldg., San Francisco.

W. P. Thurston Co., P. O. Box 2065, Richmond, Va.

Commissioned To Prepare Plans.

POST OFFICE Bldg., Class A Post Office.

VALLEJO, Solano Co., Cal. Marin and Carolina Streets.

Class A Post Office.

Owner—United States Government.

Architect—Charles Dean, California State Life Bldg., Sacramento.

Commissioned To Prepare Plans.

POST OFFICE Bldg., Class A Post Office.

OREGON CITY, Oregon.

Class A Post Office.

Owner—United States Government.

Architect—Knight & Howell, U. S. National Bank Bldg., Portland.

ALAMEDA, Alameda Co., Cal.—Otis Elevator Co., 2 Beach St., San Francisco, at \$4,218 submitted low bid to Supervising Architect, Treasury Department, to install elevator in Alameda Postoffice. W. A. Miller Machine and Elevator Co., 950 N. Main St., St. Louis, Mo., only other bidder at \$5,322.

Plans Being Figured—Bids Close December 23, 2:30 P. M.

TEMPORARY BLDGS. Cost, \$—

WEST LOS ANGELES, Cal.

Erect twenty temporary housing buildings and utilities together with grading and drainage in connection therewith at Veterans' Administration Home.

Owner—United States Government.

Plans by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto.

This work will include excavating, concrete construction, roofing, roof ventilators, carpentry, insect screens, painting, glazing, hardware, plumbing, heating and electrical work, and construction of a water supply system. Plans obtainable from the Supervising Superintendent of Construction at Palo Alto.

SAN FRANCISCO—Until Dec. 30, 11 A. M., bids will be received by Constructing Quartermaster, Fort Mason, to install an auxiliary water supply system at the Presidio, involving an 8-inch pipe line and one centrifugal pump direct connected to a 75-hp. motor. Specifications and further information obtainable from the Constructing Quartermaster.

SACRAMENTO, Cal.—Until December 22, 3 P. M., under Order No. 2055-CGP, bids will be received by U. S. Engineer Office, California Fruit Bldg., for the purchase of a used Caterpillar tractor no longer required. Same may be inspected at Rio Vista. Further information obtainable from above office.

ALAMEDA, Alameda Co., Cal.—Until December 22, 2 P. M., bids will be received by C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, 461 Market St., San Francisco, for supplying girder rail, rail fastenings and accessories required to lay approximately 2,638 lin. ft. of spur track at Government Island, Alameda. Specifications obtainable from the district engineer.

Contract Awarded.

POST OFFICE Bldg., Cost, \$123,495

PORT ANGELES, Class A Post Office.

Class A Post Office.

Owner—United States Government.

Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Contractor—A. D. Belanger & Co., Everett, Washington.

HELENA, Montana—Roy Cargo, Helena, Mont., at \$57,234 awarded contract by Veterans' Administration for extensions to outside distribution system at the U. S. Veterans' Hospital, Helena, Mont. The work will include trenching and backfilling, construction of vitrified clay pipe conduits, vitrified clay pipe underdrains, concrete manholes and expansion bend pipe, installation of wrought iron and steel pipes, fittings, valves, traps and cast iron manhole covers and non-conducting covering, connections to steam distributing lines, and all cutting and patching.

Preparing Working Drawings.

POST OFFICE Cost, \$155,000
MONTEREY, Monterey Co., Cal.
 One-story Class A steel frame Spanish type post office.

Owner—United States Government.
 Architect—Wm. O. Ralguel, Del Monte

Plans To Be Prepared.

HOSPITAL Cost, \$—
FORT MILEY, San Francisco.
 Class A Veterans' Hospital
 Owner—United States Government.
 Architect—Not Determined.

FALO ALTO, Santa Clara Co., Cal.—Until January 11, 2:30 P. M., bids will be received by the Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, to install one steel water tank and tower. This work will include furnishing all labor and performing all work required for the erection of Steel Water Tank and Tower, including piping, valves and appurtenances. Specifications and plans in information obtainable from the Supervising Superintendent of Construction at Palo Alto.

PANAMA CANAL ZONE—New York Engineering Co., 75 West St., New York, at \$33,337 submitted low bid to Purchasing Officer, Panama Canal, Washington, D. C., to furnish boilers for the Madden Dam Project. Briggs Boiler Works Co., Akron, Ohio, next low at \$40,430.

MARCH FIELD, Riverside Co., Cal.—DeCamp-Hudson Co., 1277 W. 24th St., Los Angeles, was recommended for award of contract at \$39,790 by the Construction Quartermaster, March Field, for construction of a combined gymnasium and theatre building at March Field. The amount of the contract will be based on DeCamp-Hudson Co.'s main bid of \$46,000 with deductions of \$5000 for the omission of the heating system and \$1300 for the omission of painting. The building will be a one-story structure and will contain a gymnasium, theatre, locker and shower rooms and toilet rooms. A.P.M. roofing copper gutters and cornice, hollow tile walls, hollow tile and brick partitions, stucco exterior, stone trim, steel sash, wrought iron and precast concrete grilles, asphalt tile, cement and maple floors, salt-glazed tile base, marble shower stalls, metal toilet partitions.

Additional Sub-Contracts Awarded.
 POST OFFICE Cont. price, \$105,000
BERKELEY, Alameda Co., Cal. Milvia and Kittredge Sts.
 Extension and remodeling of post office (except elevator).
 Owner—United States Government.
 Plans by Supervising Architect, Treasury Dept., Washington, D. C.
 Contractor—K. E. Parker Co., 135 So. Park, San Francisco.
Steel Forms—Soule Steel Co., 1750 Army St., San Francisco.
Brick Work—White & Gloor, Monadnock Bldg., San Francisco.

Steel Rolling Doors—Arthur Meyn Co., 163 2nd St., San Francisco.
Sheet Metal—Forderer Cornice Works, 209 Putero Ave., S. F.
Lathing & Plastering—Spaan Bros., Oakland.
Tile—Maingrum Holbrook Co., 1235 Mission St., San Francisco.
Terrazzo Work—California Terrazzo Marble Co., 2085 San Bruno Ave., San Francisco.
Finish Hardware—Dunham Carrigan & Hayden Co., Kansas & Division Sts., San Francisco.
 Other awards reported Nov. 18th.

ALAMEDA, Alameda Co., Cal.—Until January 4th, 11 A. M., bids will be received by Capt. Leander Larson, Constructing Quartermaster, for a 200,000-gallon steel water tank to be constructed at the new Benton Field Air Depot, Alameda.

TACOMA, Wash.—R. A. and M. V. Neuman, 538 Third St., McMinnville, Oregon, at \$3947 awarded contract by Supervising Architect, Treasury Department, for interior painting on Post Office at Tacoma.

SAN DIEGO, Cal.—Until December 31, 11 A. M., under Specification No. 6703, bids will be received by the Public Works Officer, Eleventh Naval District, San Diego, to improve motion picture exchange at Naval Operating Base (Supply Depot). The work will consist of the removal of three small existing buildings; and the provision of a new motion picture exchange building. The new structure will have concrete footings and floor slab; concrete and combination concrete and tile filler roof; brick walls; interior tile partition; stucco and plaster; steel doors and windows; steel film storage racks; built-up roofing; heating; electric lighting; sprinkler system; plumbing; acoustical treatment and painting. Plans obtainable from the Public Works Officer on deposit of \$10, returnable, checks for same to be made payable to the Chief of the Bureau of Yards and Docks.

HONOLULU, T. H.—Following is a partial list of prospective bidders for painting stucco on the Honolulu Post Office, bids for which will be opened January 22 by the Supervising Architect, Treasury Department, Washington, D. C.:

J. A. Trostenson Co., 3233 Sheffield Ave., Chicago.

Wm. A. Dick Co., 20 N. May St., Chicago, Ill.

Heidenreich, Fairbanks & Co., 712 Mulberry St., Chicago.

Klein-Zit, 103 Walnut St., Phila.

Special Products Co., 2412 Trenton Ave., Bristol, Pa.

Bank & Theatre Renovating Co., 223 Sansome St., Phila.

Walter J. Gamel Decorating Co., 4640 Federal Blvd., Denver, Colo.

Busch-Stickels Decorating Co., 4741 Byron St., Chicago.

R. T. Stanley, 628 B St., S. W., Washington.

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SAN FRANCISCO—Robert E. McKee, 1900 Texas St., El Paso, Texas, has been issued a set of plans for additional units for the Marine Hospital in the San Francisco Presidio, bids for which will be opened by the Supervising Architect, Treasury Department, Washington, D. C., on January 8.

DENVER, Colo.—Until December 23, under Specifications 552-D, bids will be received by U. S. Bureau of Reclamation, Denver, Colo., for the air-conditioning system for the concrete curing-rooms located in the U.

S. Customhouse and the Welton Street Laboratories of the Bureau of Reclamation at Denver. Specifications obtainable from Bureau on deposit of \$50, returnable to prospective bidders.

SAN RAFAEL, Marin Co., Cal.—Marin County Supervisors have passed a resolution seeking a \$175,000 appropriation from the Federal Government to finance erection of a new post office in San Rafael.

PANAMA CANAL ZONE—Until December 31, 10:30 A. M., under Schedule No. 2711, bids will be received by Purchasing Officer, Panama Canal, to furnish and deliver structural steel, springs, castings and windows for two ferry boat approaches. Specifications on file in the office of the Assistant Purchasing Agent at Fort Mason, San Francisco.

PEARL HARBOR, T. H.—Until February 3, 11 A. M., under Specification No. 6376, bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., to erect engine and aircraft overhaul shop at the Naval Operating Base (Air Station), Pearl Harbor, T. H. The work includes concrete foundations, structural steel framing, steel windows and doors, hollow tile walls and partitions, plaster and stucco, wood roof decking, built-up roofing, sheet metal, metal covered doors, marble and plumbing fixtures and services, all complete. Plans are obtainable from the Commandant, Mare Island Navy Yard, on deposit of \$15, returnable, check for same to be made payable to the Chief of the Bureau of Yards and Docks.

SAN FRANCISCO—Until January 11, 10 A. M., under Circular No. 928-32, 130, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver 750 bbls bibb washers as follows:

3000 sizes $\frac{1}{4}$ ";
 1500 sizes $\frac{5}{8}$ ";
 3000 sizes $\frac{3}{4}$ ".
 80 water-closet bowls, vitreous ware,
 25 for No. 48 high tank outfit, $\frac{1}{2}$ -in. spud and 55 No. 43VL low tank outfit, 2-in. spud.
 1300 rings or washers, syphon valve, feather edge, black rubber for water closets, as follows:
 700 size $\frac{1}{4}$ -in.
 600 size $\frac{1}{2}$ -in.
 25 hot water tanks or boilers, galvanized, riveted, extra heavy, for 150 lbs. working pressure; 82 gallons capacity, approx. 20-in. dia. by 5 ft. long.
 400 brass or bronze valves with screwed ends.

OROVILLE, Wash.—In addition to those previously reported, following are prospective bidders to erect Inspection Station for Federal Government at Oroville, Wash. bids for which will be opened December 29:

S. G. Morin, Paulsen Bldg., Spokane, Washington.

A. F. Mowat, McDowell Bldg., Seattle.

R. J. Chute Co., 2506 W. Santa Barbara Ave., Los Angeles.

LONG BEACH, Cal.—Until Jan. 5, bids will be received by Supervising Architect, Treasury Dept., Washington, D. C., to furnish and install complete elevator plant in the Long Beach Postoffice. Plans obtainable from the above office.

STOCKTON, San Joaquin Co., Cal.—Otis Elevator Co., 2 Beach St., San Francisco, at \$5,337 submitted low bid

to Supervising Architect, Treasury Department, Washington, D. C., to install elevator plant in Stockton Post-office. Other bids: Spencer Elevator Co., San Francisco, \$7,264; William A. Miller Machine and Elevator Co., St. Louis, Mo., \$10,105.

SAN DIEGO, Cal.—Until January 6, 11 A. M., under Specification 6659, bids will be received by Bureau of Yards and Docks, Navy Department, Washington, D. C., to furnish three motor-driven air compressors at Destroyer Base, San Diego. Specifications obtainable from the above office and from the Public Works Officer, Eleventh Naval District at San Diego.

BUTTE, Montana—Following is a partial list of prospective bidders to erect Post office at Butte, bids for which will be opened December 23 by the Supervising Architect, Treasury Department, Washington, D. C.: Thernard Contracting Co., 534 E. Johnson St., Phila.

Wm. MacDonall Constr. Co., St. Louis.

Phelps-Drake Co., Inc., Minneapolis, Minn.

James J. Burles & Co., Kearns Bldg., Salt Lake City, Utah.

Mead & Mount Constr. Co., Denver National Bldg., Denver, Colo.

Fred R. Comb Co., 2113 Chicago Ave. Minneapolis, Minn.

Redlinger & Hansen Co., 827 2nd Ave., South, Minneapolis, Minn.

R. J. Chute Co., 2306 W. Santa Barbara Ave., Los Angeles.

Lease & Leighland, Great Falls, Mont.

H. L. Cunliffe, McDowell Bldg., Seattle, Wash.

Wm. Grohne, Farragut Pl., Joliet, Ill.

Geo. Griffiths Constr. Co., Arcade Bldg., St. Louis.

J. E. Lovejoy, 1118 Mulberry St., Des Moines, Iowa.

Hiram Lloyd, Syndicate Trust Bldg., St. Louis.

Smythe & Co., 1416 F St., N. W., Washington.

Chas. B. Johnson & Son, Inc., Kimball Bldg., Chicago.

Lovering-Longbotham Co., Builders' Exchange Bldg., St. Paul.

C. J. Nepper, 401 S. Wyoming Ave., Butte.

E. A. Moline, Jamestown, N. Dak.

Elevators

Otis Elevator Co., 20 W. Granite St., Butte, Mont.

Wm. A. Miller Elevator & Machine Co., 929 N. Main St., St. Louis.

WALLA WALLA, Wash.—In addition to those previously reported, following are prospective bidders to erect substitute building, etc., at Walla Walla, bids for which will be opened by the U. S. Veterans' Bureau on December 29:

Morley Construction Co., 1643 Bellevue Ave., Kansas City, Mo.

Allied Constr. Industries, 626 Broadway, Cincinnati.

Tork Inc Machinery Corp., 1233 N. 44th St., Phila.

J. T. Hall, San Life Bldg., Spokane Rim Constr. Co., Wesley Temple Bldg., Minneapolis.

A. Kleckhefer Elevator Co., Milwaukee.

Chas. Burton, Railway Exchange Bldg., Portland.

HALLS AND SOCIETY BUILDINGS

Sub-Contracts Awarded.

CLUB HOUSE Cont. Price, \$19,959

SALADA BEACH, San Mateo Co., Cal. Sharp's Beach.

One-story frame and stucco clubhouse (tile roof, 100x40 ft.)

Owner—City and County of San Francisco (Park Commission).

Architect—Willis Folk & Co., 277 Pine St., San Francisco.

Contractor—San Francisco Const. Co., 3159 Fillmore St., San Francisco.

Lumber—Smith Lumber Co., Fourth and Channel Sts., San Francisco.

Mill Work—Pacific Mill Co., Monadnock Bldg., San Francisco.

Plumbing—W. E. Trousdale, 422 Turk St., San Francisco.

Reinforcing Steel—Gunn, Carle & Co., 444 Market St., San Francisco.

Miscellaneous Iron—Anchor Post Fence Co., 460 5th St., San Francisco.

Cement—Pacific Portland Cement Co., 111 Sutter St., San Francisco.

Roofing—State Roofing Co., 4128 Gilbert St., Oakland.

LOS ANGELES, Cal.—The Los Angeles Council, Knights of Columbus, 1709 W. 8th St., T. B. Flanagan, Secretary, proposes the erection of a new two-story and part basement store and lodge building at the northeast corner of Ninth and Bonnie Brae Sts. The proposed building will have a 100-foot frontage on Ninth St., 95-foot frontage on Bonnie Brae, and will be 80 feet deep. It will probably be of brick construction.

SONORA, Tuolumne Co., Cal.—County Supervisors reject proposal of the two county American Legion Posts to start proceedings for immediate construction of a memorial building in Sonora and another in Tuolumne. Sites for the two buildings have already been purchased. The supervisors rejected the plan for immediate construction stating the buildings should cost more than \$25,000 while only \$10,000 is available at the present time for the purpose.

Plans Being Completed.

MEMORIAL BLDG. Cost, \$20,000

EL CERRITO, Contra Costa Co., Cal. One-story Class C reinforced concrete memorial building (flat roof).

Owner—County of Contra Costa.

Architect—Jas. Narbett, 456 31st St., Richmond.

Plans will probably be submitted to the Board of Supervisors for approval on December 23.

HOSPITALS

Plans Being Figured—Bids Close Jan.

INDIGENTS' HOME Cost, \$100,000

SACRAMENTO, Sacramento Co., Cal. Franklin Boulevard.

One-story Indigents' Home (brick exterior walls, tile roof, Spanish style, Class C construction).

Owner—County of Sacramento.

Architect—Harry Devine, California State Life Bldg., Sacramento.

Bids Opened.

HEALTH CENTER Cost, \$—

SAN FRANCISCO. Grove & Polk Sts. Terra cotta for Health Center.

Owner—City and County of San Francisco. S. J. Hester, Secretary of the Board of Public Works.

Architect—S. Helman, 57 Post St., San Francisco.

Larsen & Larsen, 629 Bryant St. at \$16,100 submitted only bid.

STOCKTON, San Joaquin Co., Cal.—Until January 4, 11 A. M., bids will be received by Eugene D. Graham, county clerk, to furnish and install diet kitchen equipment in connection with the First Unit of the San Joaquin County General Hospital near French Camp. Frederick H. Meyer,

architect, 225 Market St., San Francisco, Calif., agent of surety bond 10% payable to the Treasurer of the Board of Supervisors required with bid. Plans obtainable from the county clerk on deposit of \$50, returnable.

Bids Opened.

REHABILITATION. Cost, \$—

SAN JOAQUIN, San Joaquin Co., Cal. Two-story frame and stucco San Joaquin residents' residence, two-story reinforced concrete ward buildings and necessary frame and stucco.

Assistant Physician's Cottage (concrete foundations & tile roofs).

Owner—State of California.

Plans by State Department of Public Works, Division of Architecture, Public Works Bldg., Sacramento.

(Geo. B. McDougall, State Architect).

Following is a complete list of bids:

General Work

Willard Lutz, 1630 Lyman Place

Los Angeles.....\$11,600

Anton Johnson, Los Angeles.....\$2,700

Pozzo Constr. Co., Los Angeles.....\$4,564

D. A. Ober and J. W. Jean

Los Angeles.....\$5,620

J. C. Bristone.....\$6,681

J. Steina, Pasadena.....\$2,000

R. J. Chute, Los Angeles.....\$7,223

E. J. Bennett, Los Angeles.....\$7,470

Associated Discount Corp., Ltd.,

Los Angeles.....\$8,382

Wm. Rohrbacher, Santa Ana.....\$8,695

J. A. Hunt, San Diego.....\$8,987

Plumbing

Thomas Haverly, 375 E. 8th

St., Los Angeles.....\$3,311

E. Rohde, Los Angeles.....\$3,557

Cooney & Winterbottom, L. A.....\$3,855

W. H. Smith, Long Beach.....\$7,200

Lohman Bros., Los Angeles.....\$7,372

F. B. Jones, Los Angeles.....\$7,577

W. E. McArthur, Los Angeles.....\$8,444

L. E. Dicit, Pasadena.....\$9,995

W. H. Robinson, Monterey Park.....\$4,009

American Engrs. & Constructors

Ltd., Los Angeles.....\$1,577

J. A. Fazio, Oakland.....\$6,002

Heating

W. H. Smith, Long Beach.....\$3,095

Cooney & Winterbottom, L. A.....\$1,716

F. B. Jones.....\$3,448

W. H. Robinson.....\$3,881

American Engineers & Contractors, Los Angeles.....\$3,384

Thos. Haverly, Los Angeles.....\$4,719

W. P. McArthur, Los Angeles.....\$6,322

Lohman Bros., Los Angeles.....\$7,372

E. Rohde, Los Angeles.....\$3,445

Electrical

H. H. Walker, 1323 Venice Blvd.,

Los Angeles.....\$1,879

E. Ray Fine.....\$2,040

Moore Electric Co., L. A.....\$2,046

W. H. Smith, Long Beach.....\$2,080

Ray Fine, 1323 Venice Blvd., Long Beach.....\$7,775

Bids held under advisement

TALMADGE, Mendocino Co., Cal.

—State Department of Public Works,

re-awarded the following contracts in

connection with the construction of

the Mendocino State Hospital laundry

building under construction at the

State Hospital Grounds, Talmadge:

Plumbing awarded to H. W. Salls,

Ukiah, \$2,425.

Heating to the Pacific Heating and

Ventilating Co., 205a Webster Street,

Oakland, \$1,525.

Contract Awarded.

ALTERATIONS. Cost, \$—

SAN FRANCISCO. 2727 California St.

Alterations to roof of hospital street

canopy, concrete resurfacing.

Owner—Children's Hospital, premises.

Architect—N. J. Green.

Contractor—Barrett & Hupp, 948 Har-

rison Street.

Steel Canopy—Martenson Const. Co.,

608 Indiana St.

Additional Sub-Contracts Awarded.
RI REINGAME, San Mateo Co., Cal.
HOME NOVEMBER 12 Cost, \$—
 Four-story and basement steel frame and concrete home and novitate (tile roof; steam heating system)
 Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
 Architect—Edward Eames, 535 Sacramento St., San Francisco.
 Contractor—Barrett & Hlip, 918 Harrison St., San Francisco.
Structural Engineers—Ellison & Russell, Pacific Bldg., San Francisco.
Roofing—Jewer Bros. Roofing Co., 370 Second St., San Francisco.
Tile & Acoustic—Mangrum Holbrook Co., 1235 Mission St., S. F.
 Other awards previously reported.

Planned.
SANATORIUM Cost, \$160,000
ALTA LOMA, San Bernardino County, Calif.
 Three-story reinforced concrete sanatorium (accommodate 56).
 Owner—Upland Sanatorium Corp. (Dr. H. F. Johnson, president), 1601 N. Wilcox Ave., Los Angeles.
 Architect—David Stromberg, Al ta Loma.

FRENCH CAMP, San Joaquin Co., Cal.—Until January 4th, 11 A. M., bids will be received by Eugene O. Graham, county clerk, for furnishing and installing kitchen equipment in the County General Hospital, French Camp.

Completing Plans.
INSTITUTE BLDG. Cost, \$400,000
SAN FRANCISCO, Potrero Ave. and 21st St.
 Six-story and basement Class A cancer institute building.
 Owner—City and County of San Francisco.
 Architect—Alfred I. Coffey and Martin J. Rist, associated, Phelan Bldg.
 Structural Engineer—H. J. Brunner, Sharon Bldg.
 Steel frame, brick exterior, tile and hollow metal partitions.
 Plans will be completed in about two weeks.

Plans Being Completed.
INSTITUTE BLDG. Cost, \$400,000
SAN FRANCISCO.
 Class A reinforced concrete psychopathic institute building.
 Owner—City and County of San Francisco.
 Architect—Alfred I. Coffey and Martin J. Rist, associated, Phelan Bldg.
 Structural Engineer—H. J. Brunner, Sharon Bldg.
 Plans will be completed in about two weeks.

STOCKTON, San Joaquin Co., Cal.
 —Price Building Specialties Co. at \$6,564 submitted low bid to State Department of Public Works, Sacramento, for furnishing and installing five electric dumb waiters in various buildings at the Stockton State Hospital. Following is a complete list of bids:
Price Bldg. Specialties Co., San Francisco \$6,564
 Spencer Elevator Co., S. F. 7,355
 Otis Elevator Co., S. F. 7,447
 Pacific Elevator & Equip Co., Sacramento 7,850
 Bids held under advisement.

HOTELS

Planned.
HOTEL Cost, \$1,500,000
SAN MATEO, San Mateo Co., Cal. El Cerrito and El Camino Real (12 acres).
 Exclusive family hotel (rambling type).

Owner—Jean de St. Cyr, El Cerrito, Hillsborough.
 Architect—Willis Lowe, 354 Hobart St., Oakland.
 Erection of the building depends upon the rezoning of the district to residential No. 2.

Correction In Owner's Name.
REMODELING Cost, \$50,000
SAN FRANCISCO, 334 Mason St.
 Remodel and refurbish King George Hotel (new furnishings, erect murmur, electric fixtures, magnesite flooring in baths and showers, tinting, painting, decorating, etc.)
 Owner—Fred. Wilson, 240 4th St. and 2206 Lake Street.
 Architect—Not Given.
 Contractor—J. E. Scully, Phelan Bldg.
 Lessee—Mrs. B. P. Steele, St. George Hotel, 334 Mason St.

Plans Completed.
HOTEL Cost, \$500,000
OAKLAND, Alameda Co., Calif. 22nd St. and Telegraph Ave.
 Sixteen-story Class A steel frame and concrete hotel (250 rooms and baths).
 Owner—Withheld.
 Architect—Willis Lowe, 354 Hobart St., Oakland.

Preparing Preliminary Plans.
HOTEL Cost, \$—
CALAVERAS COUNTY, Calif. Near Angels Camp.
 Three-story and basement frame and stucco hotel and store (24 rooms, 4 stores; garage in basement).
 Owner—Withheld.
 Architect—W. J. Wilkinson, 1007 Ray Bldg., Oakland.

Contract Awarded.
HOTEL Cost, \$300,000
LAS VEGAS, Nevada. Fifth and Carson Sts.
 Seven-story Class A hotel (125x140 ft.) 126 rooms, casino, restaurant and store.
 Owner—Virginia Hotel Corp., Ltd. (J. Doyle, President), Los Angeles.
 Architect—James A. Fleming, Ray Professional Bldg., Las Vegas.
 Contractor—Wm. McNeil, Ray Professional Bldg., Las Vegas.

POWER PLANTS

To Take Bids Within One Week.
SUB-STATION Cost, \$8000
 Total cost, includ. equip., \$100,000
VALLEJO, Solano Co., Cal. Foot of Kentucky Street.
 One-story reinforced concrete sub-station (55x33 ft.; concrete roof, covered with tar and gravel).
 Owner—Vallejo Electric Light & Power Co., Vallejo.
 Plans by W. A. Jones, 403 Alameda St., Vallejo.
 Bids will be taken on a general contract basis. As previously reported, grading contract awarded to T. McGill of Vallejo.

Preparing Plans.
ADDITION Cost, \$3,500,000
SPAL BEACH, Orange Co., Cal.
 Addition to power plant (house one turbo-generator).
 Owner—Los Angeles Gas & Electric Co., 8-Flower St., Los Angeles.
 Architect—Eng. Dept. of Owner.
 Construction will start about April 1st by owner's construction department.

BOULDER CITY, Nev.—E. T. Kibler, Purchasing Agent for the Six Companies, Inc., Boulder City, is taking bids for equipment for electrification of the 11-mile railway from the dam site to the gravel pit. Equipment to be purchased includes locomotives, signals, switchboards, etc.

SAN FRANCISCO.—Until Dec. 23, 3 P. M., under Proposal No. 788, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish 5 miles of 4/0 copper trolley wire. Further information obtainable from above office.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

December 16, 1931
Mill Work Contract Awarded.
WAR MEMORIAL Cost, \$5,000,000
SAN FRANCISCO. Civic Center.
 Carpenter and mill work for four-story and basement concrete Class A Veterans' Building.
 Owner—City and County of San Francisco (S. F. War Memorial).
 Architects—G. A. Lunsburgh, 140 Montgomery St. and Arthur Brown Jr., 251 Kearny St.
 Mgrs. of Const.—Lindgren & Swinerton, Inc., 225 Bush St.
 Contractor—Dinwiddie Const. Co., Crocker Bldg.
Mill Work—Pacific Mfg. Co., Monadnock Bldg.
 (6851) 1st report Oct. 5; 5th, Nov. 18, 1931. 13

Plans Being Figured—Bids Close Dec. 30, 8 P. M.
REMODELING Cost, \$1800
OROVILLE, Butte Co., Calif.
 Remodeling present fire hall for use as offices for city clerk and police headquarters.
 Owner—City of Oroville.
 Architect—Cole and Brouhard, First National Bank Bldg., Chico.
 Previous bids were rejected as being too high, these being Milo Stram, \$1,900, and W. H. Hibbard, \$1,973. Plans are obtainable from the architects. Certified check 10% payable to City Treasurer required with bid.

Bid Opening.
REMODELING Cost, \$—
STOCKTON, San Joaquin Co., Calif. Hunter Street.
 Remodel two-story brick and concrete firehouse (four fire fighting units; rebuild front of building).
 Owner—City of Stockton.
 Architect—Peter Sala, 2130 N. Commerce St., Stockton.
 Following is a complete list of bids:
General Work
 John H. Cavanaugh, 219 N. Sutter St., Stockton \$43,200
 John Hackman, Stockton 44,800
 F. R. Zinck, Stockton 44,848
 E. H. Riley, Stockton 44,877
 Wm. J. Scott, Stockton 45,845
 Wellman Euck, Sr., Stockton 45,929
 H. H. Henning, Stockton 45,972
 Foker & Stegmiller, Stockton 46,248
 H. E. Vickroy, Stockton 47,400
 George Roek, Stockton 47,410
 J. F. Shepherd, Stockton 47,831
 George J. Maurer, Oakland 49,332
Mechanical Work
 George J. Maurer, 50 York Dr., Oakland \$ 9,146
 Miller-Hays Co., Stockton 9,590
 Arthur D. Ray, Stockton 9,523
 E. L. Gnekow, Stockton 9,666
 Pahl-Harry Co., Stockton 9,966
 Jos. C. Black, Stockton 9,950
 J. R. Lyons, Stockton 10,673
 Eddy Electric Co., Stockton 10,709
 Collins Electric Co., Stockton 10,800
 Bids held under advisement until December 21.

BILLINGS, Montana.—Bids to erect the Federal jail building at Billings have been rejected and plans will be revised to bring the cost within the amount available for construction. Lovering-Longbotham of St. Paul, Minn., submitted the low bid at \$116,900.

LONG BEACH, Los Angeles Co., Cal.—All bids received by Long Beach city manager Nov. 15th, for lighting fixtures to be installed in the municipal auditorium, have been rejected and new bids will be advertised for soon.

Contract Awarded.
PARTITIONS Cont. price, \$27,561
LOS ANGELES, Los Angeles Co., Cal.—Furnish and install sectional partitions (wood and glass) for State Office Building.
Owner—State of California.
Plans by State Department of Public Works, Division of Architecture, Public Works Bldg., Sacramento.
Geo. B. McDougall, state architect.
Contractor—Pacific Mfg. Co., Santa Clara.

Preparing Sketches.
COURTHOUSE, ETC. Cost, \$65,000
SAN LUIS OBISPO, Cal.
New county courthouse, county jail and construction of nurses' home addition to County Hospital.
Owner—County of San Luis Obispo.
Architect—Chas. Lewis Wilson, 1909 S. Union Ave., Los Angeles.

MARTINEZ, Contra Costa Co., Cal.
—K. E. Parker Co., 135 South Park, San Francisco, desire sub bids on all portions of the work in connection with the construction of the Hall of Records, for which bids will be opened on December 22nd.

Bids Wanted.
WAR MEMORIAL Cost, \$5,000,000
SAN FRANCISCO, Civic Center.
Hollow metal, stage equipment and chairs for 4-story and basement concrete Class A Veterans' Bldg.
Owner—City and County of San Francisco (S. F. War Memorial).
Architect—G. A. Lansburgh, 140 Montgomery St. and Arthur Brown Jr., 251 Kearny St.
Mfrs. of Const.—Lindgren & Swinerton, Inc., 225 Bush St.

Bids are asked for 3,250 chairs for the opera house and 1,100 chairs for the veterans' building.
Bids will be opened Jan. 5 on hollow metal, Jan. 19 on stage equipment and Jan. 26, 2 P. M., on the chairs.

Bids Opened.
WAR MEMORIAL Cost, \$5,000,000
SAN FRANCISCO, Civic Center.
CARPENTRY AND MILLWORK FOR OPERA HOUSE AND ROOFING FOR OPERA HOUSE AND VETERANS' BUILDING, COMPRISING S. F. WAR MEMORIAL, consisting of four-story and basement concrete Class A Veterans' Building and six-story Class A Opera House, seating 4000; standing room 5000.

Owner—City and County of San Francisco (S. F. War Memorial).
Architects—G. A. Lansburgh, 140 Montgomery St. and Arthur Brown Jr., 251 Kearny St., S. F.
Mfrs. of Const.—Lindgren & Swinerton, Inc., 225 Bush St., S. F.
Carpentry and Millwork

(a) add for back painting.
Dinwiddie Const. Co., Crocker Bldg.
Riley & Grier (a) \$ 600 \$54,400
Chas. Stockholm (a) 800 55,610
Macdonald & Kahn (a) 450 59,777

ROOFING
Alta Roofing Co., 976 Indiana St., San Francisco.....\$3063
Malott & Petersen.....3170
J. W. Bender Roofing & Paving Company.....3354
Bids held under advisement.

Plans being Prepared.
LIBRARY ADDITION Cost, \$12,000
VALLIJOLO, Solano Co., Cal. Sacramento St.
One-story brick addition to library.
Owner—City of Vallejo.
Architect—Plans by A. C. Luigens, 445 Georgia St., Vallejo.
Bids will be asked shortly after Jan. 1st.

RESIDENCES

Sub-Contracts Awarded.
RESIDENCE Cost, \$5000
BERKELEY, Alameda Co., Cal. Euclid Avenue.

Two-story and basement frame and stucco residence (6 rooms, tile roof hardwood floors and trim, electric refrigeration).

Owner—Dr. B. Bray, 2518 Rose Walk, Berkeley.
Architect—H. Gutterson, 526 Powell St., San Francisco.

Contractor—F. G. Applebe, 2405 Acton, Berkeley.

Tile Roofing—Western Roofing Co. Inc. 24th and Poplar, Oakland.

Millwork—Clinton Mill & Lumber Co., 701 4th Ave., Oakland.

Sheet Metal—M. C. Henry, 1183 53rd St., Oakland.

Plastering—Chester Murphy, Le Roy Ave., Berkeley.

As previously reported flooring contract awarded to Inlaid Floor Co., 4067 Watts St., Emeryville; plumbing to Jevons Plumbing Co., 2330 Shattuck Ave., Berkeley; wiring to McDonald Electric Shop, 217 San Pablo Ave., El Cerrito; sash and doors to Western Door and Sash Co., 5th and Cypress, Oakland.

Sub-Contracts Awarded.
RESIDENCE Cost, \$5950
OAKLAND, Alameda Co., Calif. 5908 Monzal Avenue.

Two-story and basement frame and stucco residence (6 rooms, tile roof gas heat, considerable brick work, colored tile bath and kitchen, hardwood floors and trim, etc.)

Owner and Builder—R. C. McBride Jr. 4127 Broadway, Oakland.

Architect—D. M. Crooks, 1448 Webster St., Oakland.

Plumbing—A. Rowse, 978 Apgar St., Oakland.

Frames—C. W. Carman, 1740 E 21st St., Oakland.

Lumber—Sunset Lumber Co., 400 High St., Oakland.

Steel Sash—East Bay Glass Co., 621 8th St., Oakland.

Sheet Metal—Aarvaks Sheet Metal Works, 2313 Valley St., Berkeley.

Sub-Bids Being Taken.
RESIDENCE Cost, \$5000
BERKELEY, Alameda Co., Calif. 156 Brookside Drive.

One-story and basement frame and stucco residence (five rooms; gas heat, colored tile bath and kitchen, hardwood floors, composition roof)

Owner—Whelan and Hufschmidt, 1822 Claremont Ave., Oakland.

Plans by W. W. Dixon, 1844 5th Ave., Oakland.

Contractor—E. M. Williamson, 3761 Allendale Ave., Oakland.

Sub-Contracts Awarded.
RESIDENCE Cost, \$8000
OAKLAND, Alameda Co., Calif. 6732 Ross Circle.

1½-story frame and stucco residence (6 rooms, English type, gas furnace, hardwood floors and trim, colored tile bath and kitchen).

Owner and Builder—Ernest W. Urch, 5417 Ross Circle, Oakland.

Architect—Not Given.

Plastering—E. H. Cassell, 1182 34th St., Oakland.

Plumbing—Andrus Bros., 206 Chumalla Ave., San Leandro.
Lumber—Sunset Lbr. Co., 400 High St., Oakland.
Electric—E. L. Reed, 2838 76th Ave., Oakland.
Heating—Atlas Heating & Ventilating Co., 1451 32nd St., Oakland.
Brick—A. B. McMurtry, 6326 Broadway Terrace, Oakland.
Concrete—Kiehl and Redhoff, 1555 Central Ave., Alameda.
Roofing—Edgar Elliott, 3587 Greencare Road, Oakland.

Construction Under Way.
RESIDENCE Cost, \$5500
NORTH BERKELEY, Contra Costa Co., Cal.

Two-story frame and stucco residence (6 rooms; English type; shingle roof, hardwood floors, colored tile baths and kitchen).

Owner—J. Hudson Thomas.

Architect—J. Hudson Thomas, Mercantile Bank Bldg., Berkeley.

Contractor—Clarence Bradhoff, 911 55th St., Oakland.

Plastering Bids Wanted.
RESIDENCE Cost, \$7000
BURLINGAME, San Mateo Co., Cal. Willborough Place.

One and one-half-story and stucco residence (6 rooms; shingle roof, built-in refrigerators, gas heat, colored tile bath and kitchen, hardwood floors and trim, etc.)

Owner and Builder—G. W. Williams Co., Ltd., 315 Primrose Road, Burlingame.

Plans by Coleman & Gillam, 1401 Broadway, Burlingame.

Concrete—Gus Adolphson, 706 N. Claremont St., San Mateo.

Lumber—Wisnom Lumber Co., Fifth and Claremont Sts., San Mateo.

Plumbing—Morrison & Blair, 415 Villa Terrace, San Mateo.

Bids are wanted on plastering.

Contract Awarded.
RESIDENCE Cost, \$5000
RICHMOND, Contra Costa Co., Cal. W. Thirty-second St., bet. Garvin and Esmond Sts.

Two-story frame and stucco residence (6 rooms; shingle roof, gas heat, hardwood floors, colored tile bath and kitchen, etc.)

Owner—Glenn Bunker, 2433 38th Ave., Oakland.

Architect—F. H. Stocombe, 3830 Harrison St., Piedmont.

Contractor—Roger Stone, Central Bank Bldg., Oakland.

Sub-Contracts Awarded.
RESIDENCE Cost, \$—
OAKLAND, Alameda Co., Cal. Aspen Place and Arizona St.

One-story and basement frame and stucco residence (6 rooms; shingle roof, gas heat, colored tile bath and kitchen, hardwood floors, etc.)

Owner and Builder—Lewis Graham, 3345 Claremont Blvd., Oakland.

Architect—Not Given.

Lumber—Smith Lumber Co. of Oakland, Foot of 15th Ave., Oakland.

Plumbing—E. O. Dryer, 1918 Lake Shore Ave., Oakland.

Plastering—Paul Mortensen, 3945 Laguna Ave., Oakland.

Wiring—F. W. Parkhurst, 6432 Pinehaven Road, Oakland.

Sheet Metal—M. C. Henry, 1183 53rd St., Oakland.

Brick—R. M. Berryhill, 3767 Shafter Ave., Oakland.

Sub-bids are being taken on steel sash, doors, mill work and gas heating system.

Sub-Bids Being Taken.
RESIDENCE Cost, \$25,000
PALO ALTO, Santa Clara Co., Calif. Cowper Street.

Two-story and basement frame and stucco residence (10 rooms) and 4 bathed tile roof, gas heat, stucco walls, hardwood floors, colored tile baths and kitchen.
 Owner and Builder—Cleveland Smith, 300 Geary St., San Francisco.
 Architect—Fretwell & Goodpastor, 1310 San Pablo Ave., Oakland.

Sub-Bids Being Taken.
 RESIDENCE Cost, \$—
 SAN ANSELMO, Marin Co., Cal. San Rafael Avenue.
 1½-story frame and stucco residence.
 Owner—Nathan F. Graham, San Anselmo.
 Architect—Not Given.
 Contractor—Seiner and Kendall, 109 Tunsted St., San Anselmo.

Sub-Bids Being Taken.
 RESIDENCE Cost, \$6000
 ROSS, Marin Co., Cal.
 One-story and basement frame and stucco residence.
 Owner—G. Novas Perez.
 Plans by Angelo Hewetson, 1100 Vermont Ave., Alameda.
 Contractor—Siemer and Kendall, 109 Tunsted St., San Anselmo.

Contract Awarded.
 RESIDENCE Cost, \$6000
 OAKLAND, Alameda Co., Cal. Lakeshore Highlands.
 One and one-half-story frame and stucco residence (shingle roof, gas heat, colored tile bath and kitchen, hardwood floors and trim).
 Owner—Jos. Shaw, 2363 Le Conte Ave., Berkeley.
 Architect—Harris Allen, 557 Market St., San Francisco.
 Contractor—T. D. Courtright, 5093 Manila Ave., Oakland.

Bids Opened.
 COTTAGE Cost, \$3973
 McARTHUR, Shasta Co., Cal. McArthur Park.
 One-story frame caretaker's cottage.
 Owner—State of California.
 Architect—George B. McDougall, State Architect, Public Works Building, Sacramento.

Low Bidder—Oliver S. Almlie, 60 Sussex St., San Francisco.

Following is a complete list of bids received:

Oliver S. Almlie, San Francisco.....	\$3973
L. H. Silvester, Glenburn.....	4217
Roy O. Houston, Fall River Mills.....	4248
J. P. Brennan, Redding.....	4687
R. B. McKenzie, Red Bluff.....	4960
John Berlinger, Orland.....	5443
T. B. Goodwin, San Francisco.....	7165
Engineer's estimate.....	4200

Plans Being Completed.
 RESIDENCES Cost each, \$5000
 SAN FRANCISCO, Seventeenth Ave. and Ortega Street.

Eighteen 1-story and basement frame and stucco residence (6 rooms and social hall; special roof, gas furnace, ornamental iron work, leaded glass, some brick work and stone veneer; Period design).
 Owner and Builder—Henry Doelger, 300 Judah Street.

Architect—Clausen Architectural Studio, 746 46th Ave.

Sub-bids will be taken on all portions of the work within one week.

Sub-Bids Being Taken.
 RESIDENCES Cost each, \$5500
 SAN FRANCISCO, Balboa Terrace.

Three one-story and basement frame and stucco residences (5 rooms; tile and composition roof, gas heat, colored tile baths and kitchens, hardwood floors and trim).
 Owner—Castle Bldg. Co., 830 Market Street.

Architect—Not Given.
 Contractor—A. J. Herzog, 635 Victoria Street.

Sub-Bids Wanted.
 RESIDENCE Cost, \$4500
 BERKELEY, Alameda Co., Cal. Hilldale Avenue.
 Two-story and basement frame and stucco residence (Spanish type; double garage, tile roof, hot air and gas heating system, colored tile bath and kitchen).
 Owner—E. H. Russ, Berkeley Bank Bldg., Berkeley.
 Architect—Hardman & Russ, Berkeley Bank Bldg., Berkeley.

Contractor—T. D. Courtright, 5093 Manila Ave., Oakland.
 Sub-bids are wanted on all portions of the work.

Sub-Contracts Awarded.
 RESIDENCE Cost, \$—
 SEBASTOPOL, Sonoma Co., Cal. High Street.

Two-story and basement frame and stucco residence (8 rooms).

Owner—T. M. Jones, N. Main St., Sebastopol.

Architect—Not Given.

Contractor—Belos D. Downie, O'Farrell Hill, Sebastopol.

Lumber—Henry Hess Lumber Co., Sebastopol.

Mill Work—Smith Planing Mill, Sebastopol.

Plastering—H. P. Riske, Sebastopol.

Cement Work—C. T. Bradley, Sebastopol.

Plumbing, Wiring and Sheet Metal—Wetch Bros., Sebastopol.

Tile Roof—H. C. Gladrow, Santa Rosa.

Painting—W. B. Coats, Sebastopol.

Sub-bids are wanted on oak floors, steel sash, glass and glazing and stair rail iron.

Plans Completed.
 RESIDENCES Cost each, \$5000
 SAN FRANCISCO, S Cortland Ave. E Banks St.

Two 1-story and basement frame and stucco residence (5 rooms) composition and tile roof, gas heat, colored tile baths and kitchens, hardwood floors and trim, etc.
 Owner and Builder—A. R. Johnson, 3901 Mission St.

Architect—Not Given.

Sub-bids will be taken within a few days.

Sub Bids Being Taken.
 RESIDENCE Cost, \$5000
 SAN FRANCISCO, CAL. N. W. Mt. Vernon and San Miguel.

Two-story and basement frame and stucco residence (5 rooms), tile and composition roof, gas heat, colored tile bath and kitchen, hardwood floors and trim, canvas walls and ceilings, some concrete work.

Owner and Builder—L. Iacobelli, 299 Tara St.

Architect—Plans by B. K. Dobkowitz, 425 Monterey Blvd.

Sub-Contracts Awarded.
 FARM HOUSE Cost, \$—
 BIG SUR, Monterey Co., Cal.

One-story all wood farm house (four rooms; split shakes roof).

Owner—C. L. Boss.

Architect—W. W. Wurster, 260 California St., San Francisco.

Contractor—S. M. Trotter, Big Sur.

Plumbing and Mill Work—M. J. Murphy, Inc., Carmel.

Masonry—E. Scholtz, Pacific Grove.

Preparing Preliminary Plans.
 RESIDENCE Cost, \$—
 SACRAMENTO, Sacramento Co., Cal.

Large residence, swimming pool, servants' quarters, etc.

Owner—Floyd Hart, 3028 O St., Sacramento.

Architect—Jens C. Petersen, 826 26th St., Sacramento.

Preparing Plans.
 RESIDENCE Cost \$10,000
 BURLINGAME, San Mateo Co., Calif.
 Two-story and basement frame and stucco residence (7 rooms, and 2 baths; shake roof, gas heat, electric refrigeration, etc.; English type).
 Owner—Withheld.
 Architect—John Dinwiddie, Balboa Bldg., San Francisco.

Sub-Bids Being Taken.
 RESIDENCE Cost, \$6850
 SAN FRANCISCO, NW 24th Avenue and Santiago St.
 One-story and basement frame and stucco residence (5 rooms).
 Owner—Coleman J. and Annie N. Conroy.
 Architect—Not Given.
 Contractor—Henry Doelger, 300 Judah St., San Francisco.

Sub-Bids Wanted.
 RESIDENCES Cost each, \$5000
 SAN FRANCISCO, S Cortland Ave. E Bank Street.

Two 1-story and basement frame and stucco residences (5 rooms) composition and tile roof, gas heat, colored tile baths and kitchens, hardwood floors and trim, etc.

Owner and Builder—A. R. Johnson, 3901 Mission St.

Architect—Not Given.

Sub-Bids Being Taken.
 RESIDENCES Cost each, \$7000
 SAN FRANCISCO, 18th Avenue and Vicente St.

Two 1-story and basement frame and stucco residences (7 room each, composition and tile roof, gas and hot air heating system, wood sash, hardwood floors, colored tile baths and kitchens).

Owner—S. F. Johnson, 17th Ave. and Vicente St.

Architect—Charles Strothoff, 2274 15th Street.

Contract Awarded.
 RESIDENCE Cost, \$6350
 ROSS, Marin Co., Cal.
 Two-story frame and stucco residence.
 Owner—Vernon M. Alvord, Woodside Way, Ross.
 Architect—Not Given.
 Contractor—Frank Howard Allen, Inc., 232 Main St., San Anselmo.

Sub-Bids Being Taken.
 RESIDENCES Cost each, \$5000
 SAN FRANCISCO, Seventeenth Ave. and Ortega St.

Eighteen 1-story and basement frame and stucco residences (six rooms and social hall; special roof, gas furnace, ornamental iron work, leaded glass, some brick work and stone veneer; Period design).

Owner and Builder—Henry Doelger, 300 Judah Street.

Architect—Clausen Architectural Studio, 746 46th Avenue.

SCHOOLS

Plans Being Completed.
 SCIENCE BLDG. Cost, \$130,000
 SAN FRANCISCO, State Teachers' College (124 Buchanan St.)

Three one-story reinforced concrete Class B science and chemistry building (classrooms, lecture auditorium to seat 200, chemistry laboratories and supply rooms, tile roof, wood floors, linoleum covered, steam heat).

Owner—State of California.

Architect—S. Heiman, 605 Market St.

Plans will be complete in about 3 weeks.

Plans Being Figured—Bids Close Jan. 5, 8 P. M.

ADDITION Cost, \$75,000
ALBANY, Alameda Co., Cal. Marin School.
 Brick kindergarten addition to school composition roof, maple floors, steam heat, connecting to main plant).
 Owner—Albany School District.
 Architect—Paul Dragon and C. R. Schmidts, Mercantile Bank Bldg., Berkeley.

Preparing Working Drawings.
DORMITORY Cost, \$100,000
OAKLAND, Alameda Co., Cal. Mills College Campus.
 Two-story reinforced concrete dormitory (60 rooms) tile roof, steam heating system.
 Owner—Mills College.
 Architect—W. H. Hatfield, Jr., Chamber of Commerce Bldg., Berkeley.
 Bids will be asked about Jan. 5.

To Ask Bids In One Week—Previous Bids Rejected.
SCIENCE BLDG. Cost, \$156,000
SANTA BARBARA, Santa Barbara Co., Calif.
 Three-story reinforced concrete Science Building (approx. 24,000 sq. ft. floor area).
 Owner—State of California.
 Architect—George B. McDougall, state architect, Public Works Building, Sacramento.

The building is to be three stories with reinforced concrete foundations, floors and walls, tile partitions, concrete and wood roof construction and tile and composition roof. It will have floor area of approximately 24,000 sq. ft.; \$39,000 additional has been appropriated.

On previous bid opening low bids were as follows:
General Work—H. Mayson, Los Angeles, \$113,700.
Mechanical Work—Hickman Bros. San Pedro, \$28,000.
Heating and Ventilating—Thos. Haverty Co., 316 E 18th St., Los Angeles, \$15,499.
Electric—H. H. Walker, Los Angeles, \$7,300.
Plumbing—J. A. Fazio, Oakland, \$9324.

Bids Wanted—To Close Dec. 30.
SCHOOL Cost, \$84,000
LOS ANGELES, Cal. 1611 Canfield Avenue.
 Two-story Class B school (60x119-ft.) 18 rooms, hollow tile partitions.
 Owner—Los Angeles City School Dist.
 Architect—A. S. Nibecker, Jr., Los Angeles.

Bids Wanted—To Close Dec. 30.
SCHOOL Cost, \$84,000
LOS ANGELES, Cal. 4811 Elizabeth Street.
 Twelve-unit Class B concrete and brick school.
 Owner—Los Angeles City School Dist.
 Architect—Robert H. Orr, Corporation Bldg., Los Angeles.
Heating Engineer—Martin T. Hooper, Los Angeles.

Prospective Bidders.
ADDITION Cost, \$7500
ALBANY, Alameda Co., Calif. Marin School.
 Brick kindergarten addition to school (composition roof, maple floors, steam plant, connecting to main plant).
 Owner—Albany School District.
 Architect—Paul Dragon and C. R. Schmidts, Mercantile Bank Bldg., Berkeley.
 Following contractors have secured plans:

J. B. Bishop, 1328 E 25th St., Oakland.
S. O. MacDonald & Son, 2912 Deakin St., Berkeley.

C. M. Norgrove, 2320 Roosevelt Way, Berkeley.
David Nordstrom, 354 Hobart Street, Oakland.
F. R. Siegrist Co., 604 Mission St., San Francisco.
 Bids will be opened Jan. 5, 8 P. M.

Plans Completed.
SCHOOL ADDITION Cost, \$75,000
LOS ANGELES, Cal. No. 2807 Stanford Avenue.
 Two-story Class B concrete and brick school addition (120x145 ft.).
 Owner—Los Angeles City School District.
 Architect—Myron Hunt and H. C. Chambers, California Reserve Bldg., Los Angeles.

Additional Prospective Bidders.
ADDITION Cost, \$7500
ALBANY, Alameda Co., Calif. Marin School.
 Brick kindergarten addition to school (composition roof, maple floors, steam heat, connecting to main plant).
 Owner—Albany School District.
 Architect—Paul Dragon and C. R. Schmidts, Mercantile Bank Bldg., Berkeley.

Following are additional contractors who have secured plans. Others reported Dec. 14th.
C. W. Clark, 2091 California St., Berkeley.
Chas. Vezey & Son, 3220 Sacramento St., Oakland.
Ed. Guay, Albany.

To Ask Bids In About Ten Days.
SPECIAL FIXTURES Cost, \$35,000
SANTA BARBARA, Cal. Santa Barbara Junior High School.
 Special fixtures for Junior High School (installation of wall cases, tables, etc.).
 Owner—Santa Barbara Junior High School District.
 Architect—W. H. Weeks, 525 Market St., San Francisco.
 Bids will also be advertised for approximately 600 steel lockers at the same time.

PALO ALTO, Santa Clara Co., Cal.
 —Board of Education contemplates an addition to the Junior High School. A report on the proposed improvement will be made at the January meeting of the board.

Completing Plans.
SCHOOL Cost, \$80,000
LOS ANGELES, Calif. 5250 Bakeman Avenue.
 Concrete and brick school (12 units).
 Owner—Los Angeles School District.
 Architect—Henry Carlton, N. and R. Murray, Architects Bldg., Los Angeles.

Preparing Plans.
SCHOOL Cost, \$325,000
SACRAMENTO, Sacramento Co., Cal. Sacramento Blvd. and 10th Ave.
 Fireproof Junior High School.
 Owner—Sacramento City School Dist. Bldg., Sacramento.

Contractor—Wm. E. Coffman, Forum Completing Plans
HIGH SCHOOL Cost, \$126,000
LOS ANGELES, Cal. 108th St. and Decker Ave.
 Concrete and brick high school (16 units).
 Owner—Los Angeles School District.
 Contractor—William Richards, Architects' Bldg., Los Angeles.

Preparing Plans.
SCHOOL Cost, \$325,000
SACRAMENTO, Sacramento Co., Cal. East Sacramento.
 Fireproof Junior High School.
 Owner—Sacramento City School Dist.

Architect—Charles Dean, California State Life Bldg., Sacramento.

Preparing Plans.
SCHOOL Cost, \$60,000
SANTA BARBARA, Calif.
 Masonry school (8 classrooms, auditorium, gymnasium, offices, etc.).
 Owner—Elwood Union School Dist.
 Architect—E. Keith Lockard, 117 E De la Guerra, Santa Barbara.
 Plans will be completed in about 30 days.

Preparing Plans.
SCHOOL Cost, \$325,000
SACRAMENTO, Sacramento Co., Cal. Homeland Curtis Park School Site
 Fireproof Junior High School.
 Owner—Sacramento City School Dist.
 Architect—Harry Devine, California State Life Bldg., Sacramento.

BANKS, STORES & OFFICES

December 16, 1931
Plans Being Completed.
MEDICAL BLDG. Cost, \$50,000
PALO ALTO, Santa Clara Co., Calif. Homer Ave. and Bryant St. (150 by 150 feet).
 One and two-story reinforced concrete medical building (tile roof, steel sash, steam heating system).
 Owner—Mrs. Russell Lee, E. Wilbur, E. F. Roth and M. H. Siler, 440 Foothill Ave., Stanford University, Palo Alto.
 Architect—Birge M. Clark, 310 University Ave., Palo Alto.
 Bids will be asked in about 1 week.
 (7248) 1st report Nov. 24; 2nd, Nov. 25, 1931. 9

Contract Awarded.
BUSINESS BLDG. Cost, \$7000
SAN JOSE, Santa Clara Co., Cal. Julian St. near First St.
 Type 3 business building.
 Owner—M. J. Glennon, 35 Hawthorne St., San Jose.
 Architect—Not Given.
 Contractor—Wm. M. Caldwell, 1241 Hedding St., San Jose.

Plumbing and Electric Bids Wanted.
REMODEL STORE Cost, \$5000
SAN FRANCISCO, CAL. Sacramento St. near Polk.
 Remodel two-story frame and stucco store building (3 stores).
 Owner—Name withheld.
 Architect—F. W. Dakin, 625 Market St.
 Other bids are in and will be opened shortly.

Contract Awarded.
STORE Cost, \$3000
WOODLAND, Yolo Co., Cal. College and Pendegast Sts.
 Two-story frame and stucco store.
 Owner—J. C. Penney Co.
 Architect—Eng. Dept. of Owner.
 Contractor—Brown & Woodhouse, Woodland.

Plans Being Figured—Bids Close Dec. 28.
REMODEL BLDG. Cost, \$12,000
CHICO, Butte Co., Cal. Broadway and Second Sts.
 Remodel one-story and basement brick building (2 stores, tile work, new plumbing, heating, etc.).
 Owner—Withheld.
 Architect—A. H. Knoll, Hearst Bldg., San Francisco.
 Following contractors will submit bids:
George Hudnutt, 1915 S St., Sacramento.
Peter Sartorius, 2440 Greenwich St., San Francisco.
I. C. Evans, Marysville.
A. F. Anderson, Chico.
W. J. Shultz, Chico.

Preparing Working Drawings.

REMODEL STORIES Cost, \$—
SAN MATEO, San Mateo Co., Calif.
Location Withheld.
Alterations to a group of concrete and brick stores.
Owner—Withheld.
Plans by Gimes and Schoening, 235 Third Ave., San Mateo.
Bids will be taken shortly after Jan. 1, 1932.

Construction Under Way.

MARKET Cost, \$5000
VALLEJO, Solano Co., Calif. Wilson Avenue.
One-story frame and stucco market.
Owner—McLean's Grocery, Wilson Ave., Vallejo.
Private plans.
Contractor—Arthur Erickson, 1304 Sutter St., Vallejo.

To Start Construction In One Week.

STORE Cost, \$—
FAIRFIELD, Solano Co., Cal. Jackson Street.
One-story reinforced concrete store (50x100-ft.) tile roof, ornamental tile front.
Owner—Escono & Campos, Fairfield.
Architect—Not Given.

Preparing Plans.

STORE AND OFFICES Cost, \$90,000
LOS ANGELES, Cal. West Wilshire District.
Two-story Class C steel frame and brick store and office building (150 x30 ft.)
Owner—Withheld.
Architect—Albert C. Martin, Higgins Bldg., Los Angeles.

Preparing Plans.

UTILITY BLDG. Cost, \$100,000
LONG BEACH, Los Angeles Co., Cal. NW Broadway and Pacific Ave.
Three-story reinforced concrete public utility building (60x120 ft.)
Owner—City of Long Beach.
Architect—Dedrick & Bobbe, Heartwell Bldg., Long Beach.
Bids will be asked shortly.

Plans Being Figured.

STORE Cost, \$—
SAN FRANCISCO. Pacific and Taylor Streets.
One-story and basement reinforced concrete and steel frame store (composition roof and concrete floors)
Owner—Paul Kleiber, 535 Urbano Dr., San Francisco.
Architect—E. A. Neumarkel, 340 Kearny St., San Francisco.
Following is partial list of contractors who will submit bids:
G. P. W. Jensen, 320 Market St.
Chas. Koenig, 520 Church St.
M. E. Vukicevich.
Richard Harms, 1217 Stanyan St.

Preparing Plans.

STORE Cost, \$—
LAS VEGAS, Nevada. Third and Fremont Streets.
One-story concrete block drug store (25x60-ft.)
Owner—Boulder Drug Store, Leonard Arnett and John Graglia.
Architect—Warner & Nordstrom, Las Vegas.

Construction Started.

STORE & APTS. Cost, \$—
YOLANDO, Marin Co., Cal. San Anselmo Ave.
Two-story reinforced concrete store and apartments (6 rooms).
Owner—A. Raphael, San Anselmo.
Plans by L. A. de Lisle, 27 Tamalpais Ave., San Rafael.
Contractor—Smith and Sullivan, Yolando.

Additional Sub-Contracts Awarded.

OFFICES Cost, \$325,000
SAN FRANCISCO. N McAllister W Polk St. (60x120-ft.)
Six-story and basement Class A reinforced concrete offices (terra cotta and granite facing; steam heating system, etc.)
Owner—Perry E. Burke, % William Magee, 69 Sutter St.
Architect—Bliss & Fairweather, Balboa Building.
Contractor—Barrett & Hulp, 918 Harrison Street.
Engineer—T. Bonneberg, Crocker Building.
Tile & Acoustic—Mangrum Holbrook Co., 1235 Mission St.
Linoleum—D. N. & E. Walter Co. 562 Mission Street.
Other awards previously reported.

Contract Awarded.

MARKET Cost, \$—
LOS ANGELES, Cal. NE Fairfax Ave. and San Vicente Blvd.
Class C brick market (100x130-ft.)
Owner—International Provision Co.
Architect—Kenneth Macdonald, Ambassador Hotel, Los Angeles.
Contractor—Calhoun & Hastings, 1150 N Las Palmas Ave., Los Angeles.

Contract Awarded.

STORE Cost, \$—
CALISTOGA, Napa Co., Cal.
One-story reinforced concrete drug store (25x38-ft.) Spanish type, marquee over entrance.
Owner—T. W. Toomey, Calistoga.
Architect—Not Given.
Contractor—Fred. W. Knipschild, 1314 Oak St., St. Helena.

THEATRES

CALIFORNIA—Architect S. Charles Lee, 2404 W. 7th Street, Los Angeles, will prepare plans for a client in the near future for fifty theatres to be erected in various cities in California to cost approximately \$50,000 each. They will have a seating capacity of 303, Class C construction, glass and metal exteriors, ventilating systems, etc. Further details will be given at a later date.

Contract Awarded.

THEATRE Cost, \$35,000
BOULDER CITY, Nevada.
One and two-story stone-tile theatre 160x131 ft.; to seat 800).
Owner—Earl J. Brothers and Milton Arthur.
Architect—C. A. Balch, Film Exchange Bldg., Los Angeles.
Contractor—Frank J. Solt, California Hotel, San Bernardino.
Lessee—Fox West Coast Theatres.

Additional Sub-Contracts Awarded.

ALTERATIONS Cost, \$20,000
BERKELEY, Alameda Co., Cal. No 3322 Adeline Street.
Remodeling reinforcing conc. theatre.
Owner—Kalski-Harband Theatre Co. 3322 Adeline St., Berkeley.
Architect—A. A. Cantin, 544 Market St., San Francisco.
Contractor—A. J. Hopper, 1769 Pleasant Valley Ave., Oakland.
Plastering—Cronin & O'Connor, 833 31st St., Oakland.
Tile—Rigney Tile Co., 3012 Harrison St., Oakland.
Ornamental Plastering—O. F. Larson & Son, 480 Potrero Ave., San Francisco.
Other awards previously reported.

Plans Being Figured—Bids Close December 19, 12 Noon.

REMODEL THEATRE Cost, \$20,000
OAKLAND, Alameda Co., Cal. 17th and San Pablo Ave.

Remodel Class A theatre (remodel exterior, re-design lobby and foyer, rebuild marquee, new sound equipment, projectors, etc.)
Owner—American Theatre.
Architect—A. A. Cantin, 544 Market St., San Francisco.
Agent—Lionel Wachs Co., 706 Bank of America Bldg., 12th and Broadway, Oakland.

Date Of Opening Bids Postponed Until December 18.

THEATRE Cost, \$300,000
BERKELEY, Alameda Co., Cal. Shattuck Ave. and Bancroft Way.
Two-story Class A reinforced concrete theatre and store (seating capacity 2500).

Owner—United Artists Theatres of America (Jos. M. Schenck, vice-president), 166 S. Vermont Street, Los Angeles.
Architect—Walker & Eisen, and C. A. Balch, Western Pacific Bldg., Los Angeles.

It will be an L-shaped structure, 160x80x35 ft. in area, reinforced concrete and steel construction, marble and tile work, metal doors, steel sash, heating and ventilating systems.

Following contractors will submit bids:

Longren & Swinerton, Inc., 225 Bush St., San Francisco.
J. Wesley Forderer, Lincoln Bldg., Los Angeles.
Peter Sorenson, 2652 Harrison St., San Francisco.
Barrett & Hulp, 918 Harrison St., San Francisco.
Clinton-Stephenson Constr. Co., 550 Montgomery St., San Francisco.
Cahill Bros., 206 Sansome St., San Francisco.
MacDonald & Kahn, Ltd., 200 Financial Center Bldg., San Francisco.
James L. McLaughlin Co., 225 Kearny St., San Francisco.
P. F. Reilly and John Grace, 703 Market St., San Francisco.

WHARVES AND DOCKS

Contract Awarded.

EXTENSION Cont. price, \$73,400
SAN FRANCISCO. Pier No. 44. 170-ft. extension to Pier No. 44 (crossed piles, timber construction) and connecting wharf 15-ft. wide bet. Piers Nos. 42 and 44 (timber construction).

Owner—State of California (Harbor Commission).

Engineer—Frank White, Ferry Bldg.
Contractor—Clinton Const. Co., 923 Folsom Street.

Following is a complete list of bids: Clinton Const. Co. \$73,400
Healy-Thibbitts Const. Co. 79,300
George Pollock, Sacramento. 82,117
A. W. Kitchen. 82,870
Merritt, Chapman & Scott. 86,108
MacDonald & Kahn Co., Ltd. 91,815

To Ask Bids Within One Week.

TRANSIT SHED Cost, \$275,000
LOS ANGELES, Cal. Los Angeles Harbor.

One-story steel frame transit shed (100x120 ft.) concrete walls, wood roof construction and sprinkler system)

Owner—City of Los Angeles.
Architect—Eng. Dept. of Los Angeles Harbor Dept.

SAUSALITO, Marin Co., Cal.—Pioneer Boathouse Co., Sausalito, at \$972.50 awarded contract by the city council to furnish and drive piles, saw and cap same and complete a wharf. Complete bids published in issue of December 2.

Sub-Contracts Awarded.

SHED Cont. Price, \$2,648
SAN FRANCISCO. Pier 23, Foot of
Greenwich Street.

Steel frame shed (110x830-ft.; precast concrete wall slabs, redwood roof sheathing covered with asphalt and gravel).

Owner—State of California (Harbor Commission).

Engineer—Frank White, Ferry Bldg., San Francisco.

Contractor—Barnett & H'p, 918 Harrison St., San Francisco.

Wrecking—California Wrecking Co., 669 Howard St.

Lumber—McCallum Lumber Co., 748 Bryant Street.

Other awards previously reported. (6643) 1st report Sept. 2; 8th report Dec. 7, 1931. 19

LONG BEACH, Cal.—Until 9 a. m., December 26, bids will be received by City Harbor Commission, 304 City Hall, to construct Berths 1 and 2, Pier A, Long Beach Outer Harbor. The proposed work involves the construction of two berths, end to end, each about 600 ft. in length, reinforced concrete retaining wall, three sunken railway tracks, 12-in. cast iron water mains, 10-in. vitrified clay drains, and the paving of the loading area, about 160 ft. in width, and an approach road 30 ft. wide, with 12-in. asphaltic concrete. The general contract will include all work. Estimated cost \$50,000. Plans may be obtained from the office of R. G. McGlone, city harbor engineer.

WEST LOCH, T. H.—Bureau of Yards and Docks, Navy Department, Washington, D. C., is preparing specifications No. 6714, involving the construction of a wharf at West Loch, T. H. Further particulars on this project will be available when the plans are further advanced.

MISCELLANEOUS CONSTRUCTION

OAKLAND, Cal.—Until December 23 8 P. M., bids will be received by John H. Kimball, Secretary, East Bay Municipal Utility District, to furnish the following:

- (1) 200 concrete meter boxes;
 - (2) 2500 concrete meter box covers.
- Specifications obtainable from secretary.

NILES, Alameda Co., Calif.—Lions Club backs movement to finance construction of a community swimming pool at the Washington Union High School grounds. It is proposed to finance construction on the "subscription book" plan. The pool would cost in the neighborhood of \$8,000.

SANTA ROSA, Sonoma Co., Calif.—Smith & Benelli, Rio Nido, at \$1,095 per ft., awarded contract by county supervisors to construct timber right-of-way through Walsh property, Jenner-Mendocino County Line Highway. Complete bids follow:

- | | |
|-------------------------------------|---------|
| Smith & Benelli, Rio Nido..... | \$1,095 |
| Albert Hellwig, Santa Rosa..... | 1,180 |
| F. H. Richardson, Stewart's Point.. | 13 |
| Frank Bryant, San Francisco..... | 149 |
| H. Gould, Sacramento..... | 1,825 |

MISCELLANEOUS SUPPLIES AND MATERIALS

LOS ANGELES, Cal.—Until 2 P. M., Dec. 21, bids will be received by county supervisors for miscellaneous equipment for San Gabriel Camp.

PROPOSAL NO. 1

All material to be new, prices bid to

include cost of delivery to and installation at San Gabriel Camp (forks site):

- (1) one 8-oven oil-burning range, ea. oven size 24x24x16-in., Dohrmann or equal, complete with syphon oil burner;
- (2) four twin coffee urns, Dohrmann, or equal;
- (3) one pot and pan rack on casters;
- (4) one galvanized iron canopy, 22-gauge, 12 ft. by 48 in. by 30 in.;
- (5) one combination Bain Marie dish storage-work table and pot rack;
- (6) two compartment sinks;
- (7) three compartment cookers;
- (8) one aluminum steam-jacketed kettle;
- (9) one electric potato and vegetable peeler;
- (10) one maple butcher block;
- (11) one electric dish washing machine;
- (12) three dish trucks;
- (13) one 30-qt. electric mixer;
- (14) 100 felted pads;
- (15) 100 steel wire cages;
- (16) 100 air-tight heating stoves;
- (17) 100 zinc-covered stove boards, 30x 26-inches.

PROPOSAL NO. 2

All material to be second-hand in good usable condition.

The items are the same as those shown under Proposal No. 1.

E. C. Eaton 292 N. Broadway, county flood control engineer, Mame B. Beatty, 303 Hall of Records, clerk of the Board.

ANAHEIM, Orange Co., Cal.—Until January 12, 7:30 P. M., bids will be received by city council to furnish 65,000 ft. fibre conduit from city electrical department. E. P. Haggood, city engineer.

SAN FRANCISCO.—Until January 6, 2 P. M., bids will be received by U. S. Forest Service, Ferry Bldg., to furnish 2255 metal porcelain enamel road and trail direction and miscellaneous signs. Specifications obtainable from above office.

SAN FRANCISCO.—Until Dec. 28, 3 P. M., under Proposal No. 783, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish 5 miles of 4/0 copper trolley wire. Further information obtainable from above office.

That customer ownership of utilities is increasing each year is demonstrated in statistics recently released by the National Electric Light Association. Among the electric utilities comprising the association an aggregate of 1,671,616 shares were sold during the year 1930 to 115,113 stockholders, as compared with 1,447,853 shares sold to 87,498 stockholders the preceding year.

After more than forty years with the W. P. Fuller Company, 20 of which was as manager of the Sacramento branch, Lewis C. Hunter, has retired. He was given a farewell banquet in San Francisco last Saturday night.

Puget Sound Electrical Wholesalers' Association was formed at a recent meeting in the Washington Hotel at Seattle. Harry Byrne Sr., of the North Coast Electric Co. was named chairman of the executive committee. Ray Robinson of the Robinson Sales Co. of Seattle was elected secretary-treasurer.

The next convention of the Northern California Heating and Plumbing Federation will be held at a mission Inn, Boyes Springs, Sonoma County, during the month of March, 1932. The exact date has not been determined.

ENGINEERING SOCIETIES EMPLOYMENT SERVICE

Further information regarding positions listed in this column is obtainable from Newton D. Cook, Room 715, 67 Post Street, San Francisco. (Phone Sutter 1864).

R-3719-S TECHNICAL SALESMAN. At least 30 years old, with good sales experience, preferably in the line of food products so that he would be acquainted with this trade. Chemical engineering training would be desirable. Salary, \$250 per month or more, depending upon man. Permanent. Location, entire Pacific Coast. Headquarters, San Francisco.

W-3321-C-S (K-387) MANUFACTURER of substation connectors and switching equipment desires additional agents middle and western states. Established trade connections on these and supplementary lines essential. Apply by letter. Headquarters, New York.

R-3708-S SALES MANAGER, technical man preferred, to take charge of all details in connection with the sales and distribution of electrical transcriptions of programs for radio broadcasting. Must be able to meet with all types of executives and advertising agents and adapt himself to an expanding market which will cover the entire U. S. A. Investment of \$5000 required. Location, San Francisco.

R-3710-S ASSISTANT RECORDING DIRECTOR, familiar with talking picture making, for electrical transcriptions. Nominal salary. Investment required. Location, San Francisco.

W-2889-C-S MECHANICAL ENGINEER for designing and layout of equipment for roundhouses and back shops. Should have practical experience in locomotive construction and repair and car repair. Must have at least 15 years' practical experience in the above mentioned lines. It is desirable that this man take with him plenty of engineering data on shop equipment and operation. Salary, \$500-\$600 a month less income tax 25 to 30% in American money and balance in rubles for living expenses. Transportation furnished. Apply only by letter. Location, Moscow.

W-2891-C-S CIVIL ENGINEERS with considerable experience in design and construction of buildings for roundhouses, back shops, car shops and other railroad industrial buildings. They must have at least 10 years' experience in this line. Salary, \$500-\$600 a month, less income tax 25 to 30% in American money and balance in rubles for living expenses. Transportation furnished. Apply only by letter. Locations, Leningrad, Kharkov and Ural.

R-3718-S SALES PROMOTION opportunity is open for some one who can finance agency for a new line of grass goods having excellent sales possibilities. San Francisco territory requiring \$1500-\$2500 cash is open and other territories may be open soon. Particulars upon written request. Headquarters, Bay Region

Georgia Marble Company, with headquarters offices at Tate, Georgia, and plants at Nelson, Marietta and Tate, Georgia, has established Western headquarters offices at 605 Market Street, San Francisco. It has been stated that the concern anticipates carrying a stock in San Francisco and serving all territory west of the Mississippi river. Howard Seidell is western manager.

Engineering News Section

BRIDGES

LOS ANGELES, Cal.—City Bridge Engineer Merrill Butler, 6th floor, City Hall, authorized to prepare plans for a viaduct across the Los Angeles River and the Southern Pacific Railway tracks to connect the north portal of the recently completed tunnel with Dayton Ave. at San Fernando Road. The proposed structure, which will cost between \$800,000 and \$900,000, will probably be of reinforced concrete construction of arch span type and consisting of a series of arches. While the method of financing has not been determined, it will probably be principally, if not all, cash.

SOLANO COUNTY, Cal.—U. S. Engineer Office, Sacramento, postpones indefinitely opening bids for removing an existing timber trestle and furnishing complete, and in place of same one 80-foot timber trussed highway bridge span, together with timber pile abutments, across the dredge cut on the west side of Yolo By-Pass, in Solano County about one-half mile south of the boundary line between Solano and Yolo counties. Bids were to be opened Dec. 10, 3 P. M. All bids returned to bidders.

LONG BEACH, Cal.—Geo. E. Bartlett, 2132 Chestnut Ave., Long Beach, submitted low bid to city council at \$76,945 for constructing a reinforced concrete viaduct (except structural steel crossing) on Orange Avenue and Hill St. over the tracks of the Pacific Electric Railway.

Consolidated Steel Corp., 1200 North Main St., Los Angeles, submitted the low bid on structural steel at \$16,900.

The structure will be 1300 feet in length, L-shaped, including the steel crossing over four standard tracks of the Pacific Electric Railway. The steel crossing will require about 250 tons of structural steel. The reinforced concrete work will require approximately 235 tons of reinforcing steel.

The bids follow:

GENERAL CONTRACT

George E. Bartlett.....	\$ 76,945
Union Engineering Co., Ltd.....	82,445
Christian Fischer.....	83,645
J. D. Sherer & Son.....	83,940
John A. Durham.....	85,432
Nead Construction Co.....	85,946
Andy Sordal.....	89,557
Pozzo Construction Co.....	91,546
Herbert M. Baruch Corp.....	92,216
Weymouth Crowell & Co.....	92,500
Myers Brothers.....	94,558
R. R. Bishop.....	94,585
Chas. W. Pettifer Co.....	94,900
Lindgren & Swinerton, Inc.....	94,900
R. A. Watton.....	96,500
Merritt-Chapman & Scott.....	96,950
Oberg Brothers.....	104,000
Chas. U. Heuser.....	105,700
South Calif. Roads Co.....	109,865

STRUCTURAL STEEL

Consolidated Steel Corp.....	\$16,900
McClintic-Marshall Co.....	17,950
Minneapolis-Moline Power Imp.	

Company.....	18,145
Pacific Iron & Steel Co., Ltd.....	18,400

The bids were taken under advisement.

FRESNO, Fresno Co., Cal.—Settlements with property owners adjacent to the proposed Belmont Subway project are being completed and bids for

construction of the project will be asked in January, it is announced by Jean L. Vincenz, city engineer. The project will cost \$200,000 including paving. The work will be paid for in cash, the money being appropriated by the city of Fresno, the Southern Pacific Company, the County of Fresno and the State Highway Commission. The contract will be entered into directly between the City of Fresno and the contractor. At the west end of the subway a circle 360-feet in diameter will be constructed. The circle is proposed inasmuch as there are six lanes of traffic which would ordinarily converge at the west entrance of the subway. The cost of the circle including property damages, is included in the \$200,000 estimate.

PLACERVILLE, El Dorado Co., Cal.—Hector Williamson, Placerville, at \$875 awarded contract by county supervisors to construct a reinforced concrete girder bridge across Georgetown Canyon Creek near Greenwood. Complete list of bids follows:

Hector Williamson.....\$ 875

A. Helwig Const. Co.....1,484

Swanson and Chance.....1,697

J. E. Branagh.....1,996

STOCKTON, San Joaquin Co., Cal.—John Hackman, P. O. Box 206, Stockton, at \$4440 awarded contract by the county supervisors, to move a 75-ft. steel span from McMullen Lake to the new site, construct new approaches, and erect the moved steel span over Beaver Slough and connect the Pearson Road with the Libby Road, Road Dist. No. 1, 1½-mi. west of Thornton. Complete bids follows:

John Hackman, Stockton.....\$4440

J. E. Fitzsimmons, Lodi.....4680

Bundesen & Lauritzen, Pitts.....4698

Carl Nelson, Stockton.....4730

Wellman Buck, Sr., Stockton.....4348

SAN LUIS OBISPO COUNTY, Cal.—Bodenhammer Const. Co., 354 Hobart St., Oakland, at \$41,774.20 awarded contract by State Highway Commission to construct two reinforced concrete girder bridges, one across Los Berros Creek about 1 mile east of Los Berros, consisting of one 40-ft. span on concrete abutments with wing walls; the other across Arroyo Grande Creek at Arroyo Grande consisting of six 38-ft. spans on concrete bents and a concrete abutment with wing walls on pile foundations. Complete bids published in issue of Dec. 10.

REDWOOD CITY, San Mateo Co., Cal.—County supervisors appropriate \$5000 toward reconstruction of the San Francisco Creek bridge on the Middlefield Road. The city of Palo Alto and county of Santa Clara will assist in financing the work which will provide for a structure having a 46-foot roadway in place of the 26-foot width. Plans have been completed by J. F. Byxbee, Jr., city engineer of Palo Alto and Jas. S. James, San Mateo county Surveyor.

DREDGING, HARBOR WORKS & EXCAVATIONS

SACRAMENTO, Cal.—Harbor Tug & Barge Co., Pier 16, San Francisco, at \$27,000 (\$2.25) submitted low bid to U. S. Engineer Office to furnish, deliver and place approximately 12,000 tons

of rip-rap stone along the Sacramento river between the mouth of Cache Slough and Collinsville. Complete bids follow:

Harbor Tug & Barge Co., San Francisco, \$27,000 (\$2.25).

Daniel Contracting Co., San Francisco, \$23,964 (\$2.497).

Hutchinson Co., Oakland, \$30,240 (\$2.52).

Blake Bros. Co., San Francisco, \$30,450 (\$2.54).

LONG BEACH, Calif.—City council contemplates a bond issue to finance construction of new retaining walls for the canals at Naples. The cost is estimated at \$300,000 and would be financed probably up to 50% by the proposed bond issue, the balance to be raised by direct assessment.

SACRAMENTO, Cal.—Until December 22, 3 P. M., under Circular Proposal No. 32-193, Specifications No. 3888, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to raise and strengthen existing levee on westerly side of Yolo By-Pass and easterly side of Cache Slough around Liberty Island, a distance of approximately 30,130 ft. Total quantity of material to be moved is approximately 621,000 cubic yards.

CALIFORNIA—Th Army Board of Engineers has recommended that Congress appropriate \$60,000,000 for improvements and maintenance to United States ports and waterways. Listed among the recommendations are California projects as follows:

San Diego harbor, improvements, \$152,500; maintenance, \$20,000.

Los Angeles and Long Beach harbors, improvements, \$37,000.

San Francisco harbor improvements, \$425,000; maintenance, \$20,000.

Oakland harbor, maintenance, \$45,000.

San Pablo Bay and Mare Island, maintenance, \$157,500.

Suisun Bay channel, maintenance, \$22,500.

San Rafael Creek, maintenance, \$30,000.

Marquetry harbor, improvements, \$245,000.

Humboldt harbor and bay, maintenance, \$185,000.

Noyo River, maintenance, \$10,000.

San Joaquin River, improvements, \$250,400; maintenance, \$20,000.

Stockton and Mormon channels, maintenance, \$5000.

Mokelumne River, maintenance, \$2000.

Sacramento River, maintenance, \$150,000.

Feather River, maintenance, \$1500.

SACRAMENTO COUNTY, Calif.—Olympian Dredging Co., 249 First St., San Francisco, at \$52,785 (\$1.173) submitted low bid to U. S. Engineer Office for raising and strengthening an existing levee on the easterly side of Yolo By-Pass along the west side of Reclamation District No. 1600, a distance of approximately 6.3 miles. Complete bids follow:

Olympian Dredging Co., San Francisco, \$52,785 (\$1.173).

R. L. Oakley, Palo Alto, \$64,710 (\$1.438).

STREET LIGHTING SYSTEMS

SAN FRANCISCO.—Until Dec. 30, 2:30 P. M., bids will be received by S. J. Heister, secretary, Board of Public Works, to install ornamental street lighting system in the Great Highway between Point Lobos Avenue and Lincoln Way. A bond of \$1,500 will be required of the successful bidder. Certified check 10% payable to the Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineering, 3rd floor, City Hall.

PACIFIC COLONY, Los Angeles Co., Calif.—Until January 5, 2 P. M., bids will be received by the State Department of Public Works, Public Works Bldg., Sacramento, for the construction of a ground lighting system at Pacific Colony. Work comprises erection of 85 ornamental metal street lighting standards (furnished by state) installation of underground conduits, lead covered cable, concrete bases for standards and necessary control equipment.

MACHINERY AND EQUIPMENT

SACRAMENTO, Cal.—Until December 22, 3 P. M., under Order No. 3598-CGP, bids will be received by U. S. Engineer Office, California Fruit Bldg., for the purchase of a used Caterpillar tractor no longer required. Same may be inspected at Rio Vista. Further information obtainable from above office.

SAN MATEO, San Mateo Co., Cal.—Until January 7, 8 P. M., bids will be received by John D. Erwinfield, clerk, Board of Trustees, San Mateo Union High School District, to furnish: (1) two school bus chassis, White Model 65, or equal, wheel base lengthened to 220 in.; one extra wheel, tire and tube for each chassis; fog lights mounted on front frame horns, etc. (2) two steel school bus bodies mounted on chassis 220 in. wheel base, to seat 49 to 50 students. Wm. B. Gibson, Ltd., quality or equal, with equipment. Spec. obtainable from the office of the Superintendent of the San Mateo Union High School District. Bids may be submitted separately for chassis or bodies; or one single bid may be submitted for chassis and bodies combined.

SACRAMENTO, Cal.—Until Dec. 22, 3 P. M., under Circular Proposal No. 32-203, Specifications No. 3912, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to furnish a heavy duty marine gasoline engine and propeller, f.o.b. Rio Vista. The engine shall be four- or six-cylinder, water cooled, with 80 brake hp. at propeller shaft speed of 750 r.p.m.

SACRAMENTO, Cal.—Bids for furnishing f. o. b. Fresno, one gasoline engine driven air compressor mounted on trailer. Quotation No. 12923, Requisition 6337, opened by the State Purchasing Agent, Sacramento, Dec. 2 follow:

Rix Co.—No. 4 Rix Six, \$2890. (Deduct \$50 if United air cleaners are to be furnished on engine and compressor).

Ingersoll-Rand Co., \$2900.
Sullivan Machinery Co., Class WK 314, \$3098.

Smith Booth Usher Co., Schramm, 306, \$3098.25.

Edw. R. Bacon Co., Schramm 360, \$3098.25.

Chicago Pneumatic Tool Co., F7-QGL, \$3116.

Gardner-Denver Co., \$3226.

Taylor & Sullivan, Worthington, \$3280.

Brown-Bevis Co., Buhl, 330-360 cu. ft., \$3275.

Brown-Bevis Co., Buhl, 220-240 cu. ft., \$2500.

Spears Wells Machinery Co., Westinghouse, \$2750.

OROVILLE, Butte Co., Cal.—Frank Boyle, county purchasing agent, authorized to purchase equipment for County Surveyor J. A. Baumgartner, for which \$6,875 is available. The equipment will comprise a light truck, a rock crusher, hydraulic bulldozer, small grader and miscellaneous small tools.

DENVER, Colo.—Until December 23, under Specifications 552-D, bids will be received by U. S. Bureau of Reclamation, Denver, Colo., for the air-conditioning system for the concrete curing-rooms located in the U. S. Customhouse and the Welton Street Laboratories of the Bureau of Reclamation at Denver. Specifications obtainable from Bureau on deposit of \$50, returnable to prospective bidders.

LOS ANGELES, Cal.—Until December 24, 11 A. M., under Specification No. 2696, bids will be received by Thos. Oughton, city purchasing agent, to furnish one 3½-ton tractor truck, with 125-inch wheel-base, for garbage collection.

LOS ANGELES, Cal.—Until December 24, 11 A. M., under Specification 2697, bids will be received by Thos. Oughton, city purchasing agent, to furnish one 10-ton low bed semi-trailer with complete fifth wheel assembly, including all parts necessary for attaching to a tractor truck used for garbage collection.

SAN DIEGO, Cal.—Until January 6, 11 A. M., under Specification 6650, bids will be received by Bureau of Yards and Docks, Navy Department, Washington, D. C., to furnish three motor-driven air compressors at Destroyer Base, San Diego. Specifications obtainable from the above office and from the Public Works Officer, Eleventh Naval District at San Diego. (7413)

SACRAMENTO, Cal.—Until Dec. 23, 3 P. M., under Circular Proposal No. 32-203, Specifications No. 4006-1896-CLR, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver miscellaneous castings, as follows:

- (1) repair one low pressure cylinder;
- (2) follower for low pressure piston;
- (3) one cylinder head for low pressure cylinder;
- (4) three piston valves, dynamo engine.

LOS ANGELES, Cal.—Until 11 a. m., December 28th, bids will be received by city purchasing agent, Thomas Oughton, for one mechanical street sweeper, under specifications No. 2699.

WASHINGTON, D. C.—Specifications No. 6770 are being prepared by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for two floating cranes, one for Mare Island Navy Yard and the other for San Diego.

RAILROADS

ALAMEDA, Alameda Co., Cal.—Until December 22, 2 P. M., bids will be received by C. H. Sweetser, district engineer, U. S. Bureau of Public

Roads, 461 Market St., San Francisco, for supplying girder rail, rail fastenings and accessories required to lay approximately 2,638 lin. ft. of spur track at Government Island, Alameda. Specifications obtainable from the district engineer.

SEATTLE, Wash.—Until December 22, 10 A. M., bids will be received by W. D. Freeman, city purchasing agent, 511 County-City Bldg., to furnish 500 gross tons rails for municipal railway system. Specifications obtainable from above.

FIRE ALARM SYSTEMS

FRESNO, Fresno Co., Cal.—Until December 21, 2:30 P. M., bids will be received by H. S. Foster, City Clerk, to furnish traffic control equipment. Bids are wanted for:

- (1) Total price for 4 traffic signals;
- (2) Total price for 3 traffic signal secondary or intersection type control boxes.

Certified check 10% payable to city required with bid. Specifications on file in office of clerk. Jean L. Vincenz, city engineer.

FIRE EQUIPMENT

PLACERVILLE, El Dorado Co., Cal.—City council contemplates a bond election to secure funds to finance the purchase of a motor fire truck and other fire fighting apparatus.

GILROY, Santa Clara Co., Calif.—Lawrence Osborn, chief of the fire department, recommends to city council the purchase of a combination motor pumper and ladder wagon, to replace the present equipment.

RESERVOIRS AND DAMS

PANAMA CANAL ZONE.—New York Engineering Co., 75 West St., New York, at \$33,337, submitted low bid to Purchasing Office, Panama Canal, Washington, D. C., to furnish boilers for the Madden Dam Project. Briggs Boiler Works Co., Akron, Ohio, next low at \$40,430.

SAN DIEGO, Cal.—That the El Capitán Dam, estimated to cost approximately \$3,700,000, will be built by contract, is practically certain according to a pledge of the city council to that effect, given to the El Capitán Citizens Committee Dec. 10. The council members placed themselves on record as favoring the contract method of construction for the dam and pipe line. P. F. O'Rourke is chairman of the committee, and Thomas H. King, consulting engineer, San Diego, is acting in an advisory capacity. The proposed dam will be of the rock and fill type, 197 ft. in height and will impound 118,000 acre feet. The site is on the San Diego River at El Capitán. An election will be held Dec. 15 to vote on the transfer of the required funds from other funds already voted.

PIPE LINES, WELLS, ETC.

GRASS VALLEY, Nevada Co., Cal.—Western Pipe & Steel Co., 444 Market St., San Francisco, at \$1370 awarded contract to supply 750 ft. of 10-gauge wrapped steel pipe with electric welded joints for the Alta Hill line. Complete bids follow:
Western Pipe & Steel Co., S. F., \$1370
Sacramento Pipe Works, Sacto., 1477
Calif. Corru. Culv. Co., Berkeley 1583
(alt. 17777; (alt.) 19393.

SACRAMENTO, Calif.—L. E. McNie, P. O. Box 162, Florin, Calif., at \$1595, submitted low bid to county supervisors to bore a well at the County Home for the Aged on Franklin Blvd. Complete bids follows:

L. E. McNis, Florin, \$1505.
R. L. Norris, Sacramento, \$2050.
Bids held under advisement.

SANTA CRUZ, Santa Cruz County Cal.—California Concrete Culvert Co., 629 Market St., San Francisco, at \$2227, awarded contract by city council to furnish 2000 feet of 14-inch welded pipe to replace portions of water system. Complete bids published in issue of December 8th.

GILROY, Santa Clara Co., Cal.—Until December 28, bids will be received by city council to drill well in connection with water system; will be straight-bore shaft, 16-in. dia., constructed of 10-gauge steel casing; stove-pipe jointed. Specifications on file in office of city clerk. Raymond Fisher, city engineer.

SEWERS AND SEWAGE DISPOSAL PLANTS

LOS ANGELES, Cal.—M. N. Guho, 8342 South Atlantic Blvd., Bell, at \$17,620.75 awarded contract by Board of Public Works to construct sewers in West Channel Road Sewer District, involving 1,445.65 ft. 15-in. cement pipe; 1583.46 ft. 10-in. cem. pipe; manholes; junction chambers, etc.

ANAHEIM, Orange Co., Cal.—Until January 2, 8 P. M., bids will be received by city council to furnish 26 tons of chlorine for use on sewer system. E. P. Haggood, city engineer.

MODESTO, Stanislaus Co., Cal.—Until December 23, 7:30 P. M., bids will be received by H. E. Grage, City Clerk, for extension to sewer system, involving:

- (1) 26 5-ft. dia. reinf. concrete pipe manholes, tops surfaced 2-ft. manholes to be 12-ft. deep;
- (2) 26 manhole casings;
- (3) 8000 red brick (alternate on cement brick);
- (4) 500 sacks Portland cement;
- (5) 530 tons asphaltic concrete pavement, in place;
- (6) 15,000 bd. ft. O. P. lumber #1, rough in following sizes: 2x4-in.; 2x6-in.; 2x12-in.; 4x6-in.; 6x6-in.;
- (7) 190 lin. ft. 14 gauge, corr. iron pipe in 10-ft. lengths;
- (8) 4110 lin. ft. 18-in. inside dia., bell and spigot sewer pipe;
- (9) 1025 lin. ft. 16-in. do;
- (10) 2450 lin. ft. 12-in. do;
- (11) 850 lin. ft. 10-in. do.

Alternates may be submitted on machine made cement concrete pipe and vitrified clay sewer pipe.

Estimated cost, \$40,000. Frank J. Ross, city engineer.

MONTEREY PARK, Calif.—A proposal to build a privately owned and operated sewer system for Monterey Park and San Gabriel, has been placed before the city council of Monterey Park by Marion L. Crist of Burns-McDonnell-Smith Eng. Corp. Monterey Park's share for the outfall sewer and treatment plant would be \$94,000. The matter has been referred to the mayor's advisory committee.

LONG BEACH, Cal.—R. C. Christie, member of the city council, has asked the council to allocate \$400,000 for a storm sewer in the northeast part of the city. Ben R. Stakenmiller, city councilman, has advocated a bond issue to finance a sewage treatment plant and water reclamation plant to serve North Long Beach. A. H. Adams public service director, has estimated the cost at \$250,000.

MISCELLANEOUS CONSTRUCTION

LOS ANGELES, Cal.—Merrill Butler, city bridge engineer, 6th Floor, City Hall, authorized to prepare a report on the feasibility of a series of tunnels through the Hollywood Hills to facilitate traffic from San Fernando Valley reaching Los Angeles by the most direct route. The present proposal is based on a report prepared by private engineers and interested property owners who have convinced the city council of a desirability of the project. The proposed projects involve three tunnels under Griffith Park, one in Western Ave. Canyon, and one in Vermont Canyon to connect with a road in Brush Canyon, at the head of Bronson Ave., where a third tunnel will carry the traffic through the main ridge into the valley. The cost is estimated at \$7,000,000.

LOS ANGELES, Cal.—City Engineer J. J. Jessup authorized by city council to prepare plans for ten pedestrian subways to be built at school sites. While the work will be paid for by the Board of Education, the contracts will be let by the Board of Public Works.

WATERWORKS

TORRANCE, Los Angeles Co., Cal.—City Engineer F. B. Leonard has outlined the proposed work to be done in the water system to be built under the \$400,000 bond issue voted Sept. 25, 1930 and recently validated by the Superior Court. The work outlined involves:

Reinforced concrete reservoir of 6,000,000-gal. capacity.

An elevated steel tank of 250,000-gal. capacity with steel tower 150 ft. in height.

Three wells, 16-in. diameter. Purification and aeration plant.

About 35 miles of cast iron pipe lines of 6-in. to 16-in. pipe, with a small amount of 4-in. pipe.

1500 water services.

SAN FRANCISCO—Maloney Electric Co., at \$22,620 awarded contract by Board of Public Works to furnish six 1,667 KVA transformers in connection with the Corral Hollow Pipe Line Project, Hetch Hetchy Water System. Bids of Pennsylvania Transformer Co., at \$19,926 was rejected as not being up to specifications.

Electric Machinery Mfg. Co., Call Bldg., at \$44,630 awarded contract to furnish synchronous motors, one 200-r.p.m. at \$10,630 and nine 1,000-r.p.m. at \$34,000.

LONG BEACH, Cal.—Bids for furnishing city with 10,848 ft. of 24-in. Class A water pipe opened by City Manager C. C. Lewis, follow:

U. S. Pipe & Foundry Co.,

Class A, 12-ft. lengths, \$30,699.84.

Class 100 DeLavaud, 12-ft. lengths, \$25,275.84.

Class 100 DeLavaud 18-ft. lengths, \$24,733.44.

American Cast Iron Pipe.—Class 100, 16-ft. lengths, \$24.55 ft., or a total of \$26,577.50.

National Cast Iron Pipe Co.—Class A, 12-ft. lengths, \$31,893.12.

R. W. Wood & Co., by J. W. Black—20-ft. lengths, \$35,917.72; Class 150, in 20-ft. lengths, \$30,294.64.

OAKLAND, Cal.—California Steel Products Company, 452 Bay St., San Francisco, at \$992 submitted low bid to East Bay Municipal Utility District to erect a 25,000 gallon steel storage tank. Complete bids follow:

Kelley Steel Prod. Co., S. F. \$992
Seakeley Steel Con. Co., Berkeley 1025

Steel Tank & Pipe Co., Berkeley 1065
Boiler Tank & Pipe Co., Oakland 1190
Bids held under advisement.

MONTEREY, Monterey Co., Calif.—Until January 8, 10:30 A. M., bids will be received by J. W. Denton, Captain, Quartermaster Corps, Quartermaster, President of Monterey, for the construction of an extension to the water and sewer systems at the Presidio of Monterey to connect with Citizens' Military Training Camp. Plans obtainable from the Quartermaster on deposit of \$5, returnable.

PASADENA, Los Angeles Co., Cal.—American Concrete and Steel Pipe Co., 4635 Firestone Blvd., South Gate, at \$18,503.75 awarded contract by city directors to furnish reinforced concrete pipe. Quantities and unit bids published in issue of December 10.

SAN FRANCISCO—Until Dec. 30, 11 A. M., bids will be received by Constructing Quartermaster, Fort Mason, to install an auxiliary water supply system at the Presidio, involving an 8-inch pipe line and one centrifugal pump direct connected to a 75-hp. motor. Specifications and further information obtainable from the Constructing Quartermaster.

OAKLAND, Cal.—Until December 23 8 P. M., bids will be received by John H. Kimball, Secretary, East Bay Municipal Utility District, to furnish the following:

- (1) 2000 concrete meter boxes;
- (2) 2500 concrete meter box covers.

Specifications obtainable from secretary.

PLACENTIA, Orange Co., Cal.—Jan. 26 has been set by city council for election to vote on a \$50,000 water bond issue. The funds will be used to construct pipe line, drill a well, and erect a steel tank. Of the total, \$10,000 will be reserved for future installations. George Bates, city engineer.

LOS ANGELES, Cal.—Bids for furnishing copper tubing under Spec. No. 2675 were opened by city purchasing agent, Thomas Oughton, Dec. 9. The items are:

- (1) 6410 lbs. (10,000 ft.) 3/4-in.;
- (2) 3300 lbs. (6600 ft.) 1-in.

The bids follow:

Hacker Pipe & Supply Co. (1) \$10.50 (2) \$12.71 (per 100 ft.)

Chase Brass & Copper Co. (1) \$10.62 (2) \$12.75 (per 100 ft.)

Chase Brass & Copper Co. (alternate) (1) \$16.56 (2) \$15.19 (per 100 lbs.)

Ducommun Corp. (1) \$16.42 (2) \$14.18 (per lb.)

Union Hardware & Metal Co. (1) \$16.38 (2) \$15.18 (per lb.)

Pacific Metal Co. (1) \$1.59 (2) \$1.46 (per lb.)

Van D. Clothier (1) \$1.575 (2) \$1.463 (per lb.)

Grinnell Co. of the Pacific, (1) \$1.552 (2) \$1.436 (per lb.)

Grinnell Co. of the Pacific (alternate) (1) \$1.095 (2) \$1.295 (per ft.)

Pacific Pipe & Supply Co. (1) \$1.567 (2) \$1.433 (per lb.)

California Hardware Co. (1) \$1.162 (2) \$1.152 (per lb.)

Crane Co. (1) \$1.1521 (2) \$1.14 (per 100 lbs.)

Crane Co. (alternate) (1) \$9.75 (2) \$11.75 (per 100 lbs.)

Utilities Equip. Corp. (1) \$1.84275 (2) \$1.6895 (per lb.)

SANTA ANA, Orange Co., Calif.—Water Committee of the Chamber of Commerce of Orange County recommends a bond issue for \$11,000,000 next Spring to finance a comprehensive development of the county's water resources.

OAKLAND, Cal.—East Bay Municipal Utility District has awarded the following contracts to furnish and deliver e. i. pipes:

American Cast Iron Pipe Co., Balboa Bldg., San Francisco, 25,000 feet of 8-inch at \$15.250; and 20,000 feet 6-inch, at \$8.200.

National Cast Iron Pipe Co., 571 Mission St., San Francisco, 25,000 feet 4-inch at \$8.000.

Pacific States Cast Iron Pipe Co., 111 Sutter St., San Francisco, 8000 feet 2-inch, \$14.80.

SIGNAL HILL, Los Angeles Co., Cal.—Until 3 P. M., Dec. 28, bids will be received by the city council to construct 20-in. water pipeline, approx. 4 miles in length. The work will include furnishing of pipe, trenching, laying and backfilling. Bids will probably be taken on steel concrete and cast iron pipe. Specifications may be obtained from the office of the city clerk, Geo. H. Cooper, Currie Engineering Co., Andreson Building, San Bernardino, engineer. The estimated cost is \$50,000.

SAN FRANCISCO.—Meyer Rosenberg, 1755 San Bruno Ave., at \$6,071.11 awarded contract by Board of Public Works to construct sprinkler system for the trotting track at Golden Gate Park Stadium, involving:

4175 ft. 4-in. Class B bell and spigot pipe, \$635.
45 ft. 2½-in. galvanized wrought steel pipe, \$2.50.
105 ft. 2-in. do \$2.70.
745 ft. 1½-in. galv. wrought steel sprinkler line, \$30.
1512 ft. 1-in. do \$20.
6040 ft. ¾-in. do \$1175.
8 1¼x1½x1½-in. automatic oscillator for straight sprinkler lines, \$32.
20 1¼x1½x1½ automatic oscillators for curved sprinkler lines, \$31.
724 pipe roller posts, \$115.
5 4-in. No. 460 non-rising stem wedge valves, \$12.75.

LOS ANGELES, Calif.—Chicago Bridge & Iron Works, 426 Pacific Mutual Bldg., Los Angeles, awarded contract at \$6015 by city harbor department to furnish and install a 100,000-gallon sprinkler tank and tower for Berths 145 and 146, Los Angeles Harbor; Spec. No. 884.

DEER LODGE, Montana.—Burns-McDonnell-Smith Engineering Corp., Western Pacific Bldg., Los Angeles, has completed a report relative to a proposed water works system for Deer Lodge and has filed same with the city council. The estimated cost is \$186,800. A bond issue of \$200,000 was authorized by the city on Sept. 4. The proposed system will involve the development of a new water supply south of the city, the drilling of wells, installation of turbine type centrifugal pumps, an underground reinforced concrete reservoir of 750,000-gallon capacity, horizontal centrifugal pumping plant, 100,000-gallon elevated steel tank, cast iron distribution system. The report has been referred to a special committee of the city council.

PALO ALTO, Santa Clara Co., Cal.—Until January 11, 2:30 P. M., bids will be received by the Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, to install one steel water tank and tower. This work will include furnishing all labor and performing all work required for the erection of Steel Water Tank and Tower, including piping, valves and appurtenances. Specifications and further information obtainable from the Supervising Superintendent of Construction at Palo Alto.

ALAMEDA, Alameda Co., Cal.—Until January 4, 11 A. M., bids will be received by Capt. Leander Larson, Constructing Quartermaster, for a 200,000-gallon steel water tank to be constructed at the new Benton Field Air Depot, Alameda.

SAN FRANCISCO.—Until Jan. 11, 10 A. M., under Circular No. 928-32, 130, bids will be received by the Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver:

2960 Pipe Fittings, galvanized, threaded, 150 lbs. S. W. P.

Bends, return, close pattern, malleable iron, beaded or banded, type "B," size ½-in., 300 each; size ¾-in., 300 each.

Caps, malleable iron, type "B," size ½-in., 150 each; size 2-in., 60 ea. Couplings, malleable iron, type "B," size ½-in., 430 each; size ¾-in., 420 each.

Elbows, reducing, 90 degree, malleable iron, beaded or banded, size 1-in. x ¾-in. type "B," 120 each.

Reducers, malleable iron, beaded or banded, 1½-in. x 1¼-in., 120 each. Tees malleable iron, beaded or banded, type "B," size ½x½x½-in., 600 each; size 4x4x4-in., 30 each.

Nipples, wrought iron, size 1½-in., close, 300 each.

Plugs, cast iron, square head, size 1½-in., 200 each.

675 Pipe Unions, malleable iron, galvanized, brass seated, for working pressures up to 250 lbs.; type "B," size 1¼-in., 300 each; size 1½-in., 300 each; size 3-in., 45 each; size 4-in., 30 each.

1130 Pipe Fittings, soil, cast iron, standard.

Bends, sixteen, single hub, size 2 in., 100 each; bends, eighth, single hub, size 4-in., 200 each; bends, quarter, single hub size 4-in., 180 each.

Branch "T," sanitary, two hubs, size 2x2-in., 200 each; branch "Y," two hubs, size 2x2-in., 230 ea.; branch double "Y," three hubs, size 2x2-in., 120 each.

85 Pipe Fittings, galvanized cast iron flange Unions, standard for 125 lbs. S. W. P., faced, each complete with gasket; size 2-in., 5½-in. dia. of flanges, 4 bolts, 30 each; size 2½-in., 5½-in. dia. of flanges, 4 bolts, 30 ea.; size 4-in., 7¼-in. of flanges, 5 bolts, 25 each.

Specifications and further information obtainable from the Quartermaster Supply Officer, General Depot, Ft. Mason.

SAN FRANCISCO.—Until Jan. 11, 10 A. M., under Circular No. 928-32, 130, bids will be received by the Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver 89,000 ft. wrought iron (not steel) butt welded, galvanized standard length, threaded ends to be protected with two couplings or one coupling and one thread protector, as follows:

18,000 ft. size ½-inch;
30,000 ft. size ¾-inch;
20,000 ft. size 1-inch;
6,000 ft. size 1¼-inch;
15,000 ft. size 1½-inch.

PLAYGROUNDS & PARKS

LONG BEACH, Los Angeles Co., Cal.—Improvements to recreation grounds of various parks in Long Beach are proposed in a \$2,000,000 bond project which is before the city council at the present time. The proposal has been made in the interests of unemployment relief. Projects listed by the Recreation Commission total \$449,710.75, and include planting of trees, construction of roads, walks, playground improvements, stadium, etc.

STREETS AND HIGHWAYS

WASHINGTON, D. C.—(By Special Wire).—Jack Casson, Hayward, Calif., at \$12,534.40 submitted low bid Dec. 16, under Specification No. 6704, to the Bureau of Yards and Docks, Navy Department, Washington, D. C., for grading and graveling and oil treating an existing road at the Naval Air Station at Sunnyvale.

MADERA COUNTY, Calif.—Valley Paving & Construction Co., P. O. Box 1349, Fresno, at \$31,554 awarded contract by State Highway Commission to grade and pave with Portland cement concrete 0.6 mile at Madera. Complete unit and total bids published in issue of December 10.

MERCED, Merced Co., Cal.—Associated Oil Co., 75 New Montgomery St., San Francisco, at \$53½ per bbl. awarded contract by county supervisors to furnish not less than 15,000, nor more than 30,000 barrels of road oil, processed or unprocessed, the pure asphalt bitumen content to be not less than 58% or more than 70%. Complete bids follow.

Associated Oil Company.....	53½
Union Oil Company.....	55
Standard Oil Company.....	65
Gilmore Oil Company.....	80
Shell Oil Company.....	80

HUMBOLDT COUNTY, Cal.—Young & Son Co., Ltd., 599 Colusa Avenue, Berkeley, at \$20,554 awarded contract by the State Highway Commission to grade and surface with untreated crushed gravel or stone 0.9 mile of the Dyerville Bridge approaches. Complete total and unit bids published in issue of December 10.

LOS ANGELES, Calif.—The county supervisors have appropriated \$100,000 for resurfacing and repairs to Los Angeles city streets. The funds will be taken from the county's special road fund.

SAN BERNARDINO Co.—Condemnation proceedings for a right of way for a Federal Highway in the San Bernardino mountains in the Barton Flats District, have been started by the San Bernardino county supervisors. Plans for this road, which is estimated to cost \$150,000, were prepared by Howard L. Way, county surveyor.

LOS ANGELES, Cal.—Campbell-Reichert Co., Inc., 400 Whiteside Ave., awarded contract by board of public works at \$38,646.97 to improve 98th St. (North roadways), between Avalon Rd. and Figueroa St. (4923 ft. center line), within the main grading (2762 sq. yds. cut, 33 cu. yds. fill); 144,375 cu. ft. 6-in. concrete paving; 31 tons asphalt concrete base; storm drain; water system.

OAKLAND, Cal.—George E. Ellinger, architect, 1723 Webster St., is taking bids for approximately 44,000 sq. ft. of macadam paving in the Farr Terminal District. This work will be financed by the Parr Terminal interests. Specifications are obtainable from the architect.

MONTEREY, Monterey Co., Calif.—Until January 8, 10:30 A. M., bids will be received by J. W. Denton, Captain, Quartermaster, Corps, Quartermaster, Monterey, for the construction of an extension to the water and sewer systems at the Presidio of Monterey to connect with the Citizens' Military Training Camp. Plans obtainable from the Quartermaster on deposit of \$5, returnable.

SAN FRANCISCO.—Until Dec. 30, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to improve highway 154d, from Laguna Honda Island to Taraval and Montalvo Sts., involving:

- (1) 100 cu. yds. excavation;
- (2) 3,297 cu. ft. unimproved conc. curb;
- (3) 4 brick catchbasins;
- (4) 210 ft. 10-in. V.C.P. culvert;
- (5) 350 ft. 6-in. V.C.P. sewers;
- (6) 85,923 sq. ft. asphalt conc. pave.

Certified check 10% payable to the Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineering, 3rd floor, City Hall.

REDWOOD CITY. San Mateo Co., Cal.—County Surveyor Jas. S. James, instructed by county supervisors to prepare specifications for oil surfacing the Memorial Park-Pescadero road, between the properties of Chas. Steels and Frank Weeks.

SAN FRANCISCO.—Until Dec. 30, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to improve De Long St. from Orizaba Ave. to Head St. and Head St. from Palmetto Ave. to De Long St. involving:

- (1) 2400 cu. yds. excavation;
- (2) 950 cu. yds. embankment;
- (3) 990 ft. armored concrete curb;
- (4) 6340 sq. ft. 1-course conc. sidewalks;
- (5) 2 brick catchbasins;
- (6) 62 ft. 10-in. V.C.P. culverts;
- (7) 226 ft. 8-in. V.C.P. sewer;
- (8) 624 ft. 12-in. V.C.P. sewer;
- (9) 4 brick manholes;
- (10) 9 8x6-in. Y or T branches;
- (11) 33 12x6-in. do;
- (12) 370 ft. 6-in. V.C.P. side sewer;
- (13) 11 cu. yds. Class B 2500-lb. conc. in stairways;
- (14) 300 lbs. bar. reinf. steel in stairways;
- (15) 105 sq. ft. 2x8-in. redwood headers;
- (16) 17,200 sq. ft. asphalt conc. pave.

Certified check 10% payable to the Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineering, 3rd floor, City Hall.

OAKLAND, Cal.—Until December 23, 8 P. M., bids will be received by John H. Kimball, Secretary, East Bay Municipal Utility District, for 90,000 sq. yds. of street paving. Specifications obtainable from secretary.

OAKLAND, Calif.—Alameda County supervisors appropriate \$15,000 for clearing and rough grading in connection with the Alameda approach to the new inter-county tunnel, connecting Alameda and Contra Costa counties. George A. Posey is county surveyor.

MODESTO, Stanislaus Co., Calif.—January 19 is the date set by the city council for the voters to decide whether or not the city council shall appropriate \$15,000 to purchase rights of way in Ninth Street to widen that thoroughfare in connection with the \$250,000 state highway project through the city. Frank Rossi is city engineer.

ARIZONA STATE.—New Mexico Const. Co., Albuquerque N. M., awarded contract by State Highway Commission at \$142,924.02 for highway construction on Florence-Tucson Highway, F. A. 94-D and the Florence-Tucson Highway, F. A. 94-C, Schedules 2 and 3. The work on 94-D and 94-C, Schedules 2 and 3, which begins at the Pima-Pinal county line and extends northwesterly 22 miles to the overpass at Picacho, consists of the grading, draining and placing of sub-grade stabilizer over portions of 94-D

and the oil processing by the road mix method of the entire length (approx. 22 miles).

ARIZONA STATE.—H. I. Royden, 14 North 12th Ave., Phoenix, awarded contract by State Highway Commission, at \$57,483.70 (using treated redwood timbers) for highway construction on the Holbrook-Lupton Highway, F. A. 83-C, Schedule 1. The work begins at a point approximately (14.2) miles northeast of Holbrook and extends northeasterly 2.8 miles toward Lupton, consists of the construction of two Timber Bridges and the Grading, Draining and placing of Subgrade Stabilizer over the 2.8 miles.

WASHINGTON STATE.—Until 10 A. M., January 6, bids will be received by State Highway Department, Olympia, Wash., for highway construction as follows:

- (1) clearing, grading, draining, constructing tunnel 800 ft. long and surfacing with crushed stone about 2.6 miles of State Road No. 12, Fort Columbia to Point Ellice, in Pacific County, involving about 23 acres of clearing, 60,080 cu. yds. of excavation, 2813 cu. yds. of concrete, 1867 sq. yds. of concrete pavement, 95,000 lbs. of steel reinforcing bars, 11,040 cu. yds. of crushed stone, 591 lin. ft. of pipe culverts and other items.
- (2) clearing, grading, draining and surfacing with crushed stone about 6.9 miles of State Road No. 15, Index to Gold Bar, in Snohomish County, involving about 57 acres clear, 316,240 yds. of excavation, 18,900 cu. yds. of crushed stone, 3164 lin. ft. of pipe culverts and other items.

Plans obtainable from Director of Highways, Samuel J. Humes, upon deposit of \$5 each est. Certified check, 5%.

VERNON, Los Angeles Co., Cal.—Until 8 P. M., December 21, bids will be received by city council to improve East 56th St. and Soto St., A. & I. No. 1, involving:

- (1) 3969 cu. yd. curb;
- (2) 3978 sq. ft. 9-in. gutter;
- (3) 60,855 sq. ft. 8-in. asphalt conc. paving;
- (4) 861 ft. 12-in. plain conc. pipe;
- (5) 401 ft. 6-in. vitrified pipe;
- (6) 2 manholes;
- (7) 6 reinf. conc. catch basins;
- (8) 106 cu. yds. reinf. conc. in retaining wall;
- (9) 458 ft. timber guard rail.

Howard S. McCurdy, city engineer.

SAN DIEGO, Calif.—The San Diego county supervisors have ordered new surveys and cost estimates for the Escondido-Ramona Road into Ramona via Seventh St. The paving of this project will cost about \$100,000. E. R. Childs is county surveyor.

STOCKTON, San Joaquin Co., Cal.—Until January 4, 11 A. M., bids will be received by Eugene L. Green, county clerk, to grade and surface Libby Road, involving:

- (1) 5100 cu. yd. grade;
- (2) 1500 cu. yd. imported dirt;
- (3) 2700 tons base course;
- (4) 2450 tons crushed rock;
- (5) 110 tons rock chips;
- (6) 90 tons pea gravel;
- (7) 60 tons fuel oil;
- (8) 28 tons asphaltic oil.

Estimated cost, \$8,000. Specifications obtainable from Julius B. Manthey, county surveyor, verified check 10% payable to chairman of board of supervisors required with bid.

MONTANA STATE.—Tomlinson-Arkwright Constr. Co., Great Falls, Mont., submitted low bid to State Highway Commission, at \$76,650 for grading 1.951 miles of Section B, Madison Canyon-Ennis Road.

F. C. and D. Construction Co., Billings, Mont., low bidders, at \$55,120 for grading 16.462 miles of Section B of the Circle-Glendale Road.

Western Bridge & Construction Co., Omaha, Neb., low at \$93,206 for grading 22.188 miles of Section A of the Miles City-North Dakota state line and grading 1.348 miles of Section B of the Miles City-North Dakota state line road.

J. L. McLaughlin, Great Falls, Mont., low at \$48,390 for grading and surfacing with crushed gravel 4.134 miles of the Farrelltown Roundup Road in Musselshell County.

SANTA BARBARA, Cal.—City Engineer E. B. Brown has used estimates for proposed Alameda Padre Serra Improvement. The previous estimate was \$72,000. By the revision of the plans, a saving of \$10,700 can be effected. Bidding has been postponed until December 31.

GLENDALE, Los Angeles Co., Cal.—Until 10 A. M., December 31 (tentative date), bids will be received by city council for widening and paving of Glendale Ave. bet. Monterey and Verdugo Aves. The work will be paid for in cash. The approximate quantities, as estimated by J. C. Albers, city engineer, are:

- (1) 6400 ft. curb;
- (2) 11,600 sq. ft. 8-in. concrete gutter;
- (3) 90,000 sq. ft. 4-in. asphaltic concrete base;
- (4) 172,000 sq. ft. 2-in. asphaltic concrete wearing surface.

A unique departure is announced by Columbia University in opening its classes in the engineering school to unemployed professional engineers. "The principal purpose for opening the classes without free or credit to the engineers," Dean Barker said in a published statement, "is to preserve the morale of these skilled men during a period of enforced idleness. In the lectures they will hear rediscovered the principles of engineering which they covered while in college. Their minds will be refreshed on various aspects of engineering which they have partly forgotten due to specialization in one particular phase of the profession. They will be of better service to the community when business revives, and meanwhile they will have the privilege of widening their horizons and increasing their contacts."

Some interesting facts are disclosed by the complete tabulation of the construction census for the state of Virginia, the first to be printed. It shows the total value of construction in that state for 1929 of \$54,313,000. Of this amount all but \$209,000 represented construction done under some form of contract, the remainder being done by operative builders. Sixty-eight per cent of the total amount or \$36,929,000—was done under general contract by 177 general contractors. A total of \$17,175,000 was done under subcontract by 157 subcontractors. The general contractors paid out directly in wages \$5,520,000 and for materials \$9,904,000. They paid to subcontractors \$11,857,000. The 157 subcontractors paid out direct in wages \$3,909,000 and for materials \$9,672,000, while they paid out to subcontractors \$621,000. These statistics are compiled from returns made by contractors and subcontractors doing \$25,000 worth of business or more per year. Ninety-two of the 177 general contractors did less than \$100,000 worth of business in 1929.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
1230	Stoneson	Owner	12000
1231	Bluett	Sward	3500
1232	Hall	Villadsen	1000
1233	Bransten	Mattock	33000
1234	McCarthy	Owner	3800
1235	Mager	Owner	4000
1236	Smith	Owner	3000
1238	Van Aalst	Owner	5000
1237	Mission	Empire	1000
1238	Castle	Herzig	5000
1239	Cuthbert	Owner	3100
1240	Coles	Owner	4000
1241	Heglin	Owner	3000
1242	Lerer	Owner	8000
1243	Peterson	Owner	15000
1244	Andersen	Owner	8000
1245	Lee On	Coburn	8500
1246	Cooper	Owner	1000
1247	Doelger	Owner	4000
1248	Vannucci	Owner	11000
1249	Doelger	Owner	20000
1250	Stoff	Owner	45000

DWELLINGS
(1230) S LOS PALMOS DRIVE 108 E Hazelwood; three 1-story and basement frame dwellings.
Owner—Stoneson Bros. & Thorinson, 279 Yerba Buena.
Architect—C. F. Strothoff, 2274 15th Street. each \$4000

DWELLING
(1231) N CARRILLO 57 E 33rd Ave.; one-story and basement frame dwelling.
Owner—I. Bluett, 3111 Mission St.
Plans by Contractor.
Contractor—F. Sward, 637 Bush St. \$3500

REPAIRS
(1232) 241 SIXTH ST.; repair foundation of hotel.
Owner—Mrs. G. S. Hall, 241 6th St.
Architect—W. H. Weeks, 525 Market Street.
Engineer—W. Adrian, 417 Market St.
Contractor—Villadsen Bros., 417 Market Street. \$1000

DWELLING
(1233) N SEACLIFF 150 W 27th Ave.; two-story and basement frame dwelling.
Owner—J. Branstien, 21 Presidio Ave.
Architect—Bakewell & Weihe, 251 Kearny St.
Contractor—A. F. Mattock, 212 Clara Street. \$33,000

DWELLING
(1234) S MORAGA 57 W 21st Ave.; one-story and basement frame dwelling.
Owner—J. E. McCarthy, 1342 Funston Avenue.
Plans by Owner. \$3800

DWELLING
(1234) W FOURTEENTH AVE 160 S Santiago. One-story and basement frame dwelling.
Owner—Mager Bros. & Son, 1359 4th Ave., San Francisco.
Plans by Owner. \$4000

DWELLING
(1235) E THIRTY-THIRD AVE 200 N Judah. One-story and basement frame dwelling.

Owner—C. Smith, 806 26th Ave., San Francisco.
Plans by Owner. \$3000

DWELLING
(1236) SE FIFTEENTH AVE AND West Portal. Two-story and basement frame dwelling.
Owner—B. G. VanAalst, 5 Balboa St., San Francisco.
Plans by C. N. Burrell, Oakland. \$5000

ALTERATIONS
(1237) SE TWENTY-SIXTH AND Valencia. Alter public garage.
Owner—Mission Garage, 26th and Valencia Sts., San Francisco.
Architect—Not Given.
Contractor—Empire Constr. Co., Shell Bldg., San Francisco. \$1000

DWELLING
(1238) W APTOS 244 N Ocean Ave. One-story and basement frame dwelling.
Owner—Castle Bldg. Co., 830 Market St., San Francisco.
Plans by G. H. Vore, Oakland.
Contractor—A. J. Herzig, 2300 Ocean Ave., San Francisco. \$5000

DWELLING
(1239) W 31st AVE. 175 N Vicente; one-story and basement frame dwelling.
Owner—A. H. Cuthbert, 34 Keystone Way.
Plans by Owner. \$3100

DWELLING
(1240) E 25th AVE. 150 S Rivera; 1-story and basement frame dwelling.
Owner—W. P. Coles, 2395 29th Ave.
Plans by Owner. \$4000

DWELLING
(1241) W 22nd AVE. 250 S Moraga; one-story and basement frame dwelling.
Owner—B. Heglin, 1245 24th Ave.
Plans by Owner. \$3000

REPAIRS
(1242) 398 11th ST.; repair fire damage to warehouse.
Owner—J. Lerer & Sons, 398 11th St.
Architect—Not Given. \$8000

FLATS
(1243) E 18th AVE. 25 S Judah St.; two 2-story and basement frame (2) flats.
Owner—A. Peterson, 1620 8th Ave.
Plans by Owner. each \$7500

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - California

DWELLINGS
(1244) E 31st AVE. 75 N Kirkham; two 1-story and basement frame dwellings.
Owner—C. Andersen, 146 Granville Way.
Plans by Owner. each \$4000

ALTERATIONS
(1245) SW COR. STOCKTON AND Washington Sts.; alter interior of apartments.
Owner—Lee On (care Chan Wing), 405 Montgomery St.
Architect—F. W. Dakin, 625 Market Street.
Contractor—L. W. Coburn, 2048 Market Street. \$9500

LUNCH ROOM
(1246) 1760 SAN BRUNO AVE.; one-story frame lunch room.
Owner—C. Axt and C. C. Cooper, 6843 Mission St.
Plans by Owner. \$1000

DWELLING
(1247) E SEVENTH AVE. 25 S Cahillo; 1-story and basement frame dwelling.
Owner—H. Doelger, 300 Judah St.
Plans by Owner. \$4000

FLATS
(1248) E LEAVENWORTH 45 S Filbert St.; two-story and basement frame (2) flats.
Owner—L. Vannucci, 462 Broadway.
Architect—C. Fantoni, 550 Montgomery Street. \$11,000

DWELLINGS
(1249) W 31st AVE. 30 S Lawton; five 1-story and basement frame dwellings.
Owner—H. Doelger, 300 Judah St.
Plans by Owner. each \$4000

APARTMENTS
(1250) N PACIFIC AVE. 161 W Webster; 4-story and basement Class C (16) apt.
Owner—L. I. Stoff, 26 Montgomery St.
Architect—H. C. Baumann, 251 Kearny Street. \$48,000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
284	Bransten	Mattock	32328
285	Sala	Sala	4000
286	Finnck	Doelger	4500
287	Rosenfelds	Cohn	3243
288	S. P. Co.	Duncanson	
289	Conroy	Doelger	6850

RESIDENCE
(284) N SEA CLIFF AVE. S 33 deg 32 min W 128-795 from SW corner lot 36 Sub No 1 Sea Cliff SW 80-116 NW 38-313 NE 30-023 S 3 deg 23 ft E 132-071; all work on residence.
Owner—Joseph Branstien.
Architect—Bakewell & Weihe, 251 Kearny Street.
Contractor—A. F. Mattock, 212 Clara Street.
Filed Dec. 10, '31. Dated Dec. 7, '31.
10th of each month 75%
Until 35 days 25%
TOTAL COST, \$32,328
Bond, \$32,328. Sureties, National Surety Co. Forfeit, \$25 per day. Limit, 150 days. Plans and Spec. filed.

COMPLETION NOTICES

San Francisco County

Recorded Accepted

BUNGALOW
(286) W THIRTIETH AVE 125 S
Living St & 23xW 120 OL 702. All
work for five-room, bath and
breakfast room bungalow.
Owner—E. R. Sala.
Plans by Sala Bldg. Co, 3090 16th St.,
San Francisco.
Contractor—Sala Bldg. Co, 3090 16th
St., San Francisco.
Filed Dec. 12, '31. Dated Oct. 10, '31.
1st floor joists on \$100
Roof on 800
Building plastered 800
Notice of completion filed 800
Usual 35 days 800
60 days after completion filed 800
TOTAL COST, \$4000
Bond, none. Limit, 120 days. Forfe-
it, plans and specifications, none.

BUNGALOW
(286) W THIRTY-FIRST AVE 125 N
Cabrillo N 25xW 120. All work
for six-room bungalow.
Owner—Herbert W. and Mary Finck.
Architect—Not Given.
Contractor—Henry Doelger, 300 Judah
St., San Francisco.
Filed Dec. 12, '31. Dated Nov. 24, '31.
Roof on \$1125
Brown coated 1125
Completed 1125
Usual 35 days 1125
TOTAL COST, \$4500
Bond, none. Limit, 90 days after Dec.
1, 1931. Forfeited, plans and specifi-
cations, none.

REPAIRS
(287) NO. 1850 SACRAMENTO ST.
All work for repairs on building.
Owner—John Rosenfeld's Sons, 1850
Sacramento St., San Francisco.
Architect—Not Given.
Contractor—Theodore Cohn, 940 Anza
St., San Francisco.
Filed Dec. 12, '31. Dated Nov. 18, '31.
Payment to be in full upon satis-
factory completion and acceptance
of above work.
TOTAL COST, \$3243.98
Bond, \$3243.98. Surety, U. S. Fidelity
& Guaranty Co. Limit, forfeit, none.
Specifications only filed.

EXTENSION OF TIME
(288) FOOT OF HYDE Street. As to
extension of time on building con-
tract to perform at or near the
terminal of 1st party; the work of
reconstructing ptn of east wing
of Slip No. 2 and driving piles for
additional nose cluster.
Owner—Southern Pacific-Golden Gate
Ferries, Ltd.
Architect—Not Given.
Contractor—The Duncanson Harelson
Co., deYoung Bldg., San Francisco
Filed Dec. 15, '31. Dated Dec. 15, '31.
TOTAL COST, \$—
Bond, none. Limit, Feb. 15, 1932.
Forfeited, plans and specifications filed.

BUNGALOW
(289) NW TWENTY-FOURTH AVE.
and Santiago St., 25x95 ft. All
work for five-room and aeroplane
room bungalow.
Owner—Coleman J. and Annie N.
Conroy.
Architect—Not Given.
Contractor—Henry Doelger, 300 Judah
St., San Francisco.
Filed Dec. 15, '31. Dated Oct. 26, '31.
Cash payment \$ 800
Roof on 1775
Plaster on 1775
Building completed 1250
Usual 35 days 1250
TOTAL COST, \$6850
Bond, none. Limit, 90 days after Oct.
26. Forfeited, plans and specifications,
none.

Dec 10, 1931—SW FILLMORE and
Hayes 25x107. W Moskowitz to F
Mannix. December 10, 1931
Dec 10, 1931—W 40th AVE 225 South
Lawton S 25 x W 120 OL 825.
Paul and Della Fresly to whom it
may concern. December 9, 1931
Dec 10, 1931—W 32nd AVE 300 South
Quintara S 25 x W 120. Henry
Doelger to whom it may concern.
December 8, 1931
Dec 10, 1931—E 40th AVE 225 South
Taraval S 25 x E 120. Henry Doel-
ger to whom it may concern.
December 7, 1931
Dec 9, 1931—NE HOLYOKE 60 SE
Burrows SE 25 x NE 70 ptn blk
30 University Md Survey. C H and
Mrs H Westlund to whom it may
concern. December 1, 1931
Dec 9, 1931—S SANTIAGO 31-10 1/2 W
14th Ave W 31-10 1/2 x S 100. Dun-
can B MacDonald to whom it may
concern. December 7, 1931
Dec 9, 1931—SE VIENNA 700 NE
Peru Ave NE 25 x SE 100 Blk 68
Silver Heights. Henry Schwarz
and Albert Nickles to whom it
may concern. December 5, 1931
Dec 9, 1931—LAND bounded by Turk
St, Parker Ave and Rose St on
line, pari to Parker Ave extending
from Turk to Rose St approx 1200
ft E of Parker Ave. San Francisco
College of Women, conducted by
the Religious of the Sacred Heart
to Meyer Rosenberg. Dec 7, 1931
Dec 9, 1931—W 17th AVE 100 North
Ortega. Clarence A. and Murtes
Ahern to Henry Erickson.
December 4, 1931
Dec 9, 1931—E 81st AVE 100 N Ful-
ton. Sam Blaustein to whom it
may concern. December 8, 1931
Dec 9, 1931—W 33rd AVE 375 S
Kirkham S 50 x W 120 OL 801 W
33rd Ave 275 S Kirkham S 25 x W
120 OL 801 W 33rd Ave 325 South
Kirkham S 25 x W 120 OL 801.
Whitney Inv Co Ltd to Marian
Realty Co Ltd. December 8, 1931
Dec 9, 1931—E CORA 172-6 S Visi-
tation Ave 34x6x105-8. Harry and
Rose Apts to whom it may con-
cern. December 9, 1931
Dec 15, 1931—W VILLAMAR AVE
150 yards N CLIFF AVE Ave NE of
and ad to lot No 1 known as No
1 Villamar Ave. V H Podstata to
Strehlow & La Voie. Dec 12, 1931
Dec 15, 1931—SW 16th AVE AND
Ulloa 25x107-6. Eva G Husted to
G J Elkington & Sons. Dec 15, 1931
Dec 15, 1931—W 22nd AVE 113 N
Noriega N 25 x W 120 OL 882.
Ida J Bluett to H H Isaac.
December 15, 1931
Dec 15, 1931—N HAIGHT 152-6 W
Ashbury W 25 x N 137-6. Mildred
M Livingston and H B Livingston
to Young & Horstmeyer.
December 5, 1931
Dec 15, 1931—SE NEWHALL 25 SW
Innes Ave SW 25 x SE 100 Blk
184 Central Park Hd Assn. John
and Mary Leary to Bay View
Realty Co. December 15, 1931
Dec 15, 1931—SAN FRANCISCO
Campus of the University of Cal-
ifornia. The Regents of the Uni-
versity of California to Charles A
Langlais (to install electric equip-
ment for distribution system).
December 7, 1931
Dec 15, 1931—LOT 14 and S 5 ft
lot 15 blk 3277 map Mt Davidson
Manor. Niles E Johnson to whom
it may concern. December 14, 1931
Dec 11, 1931—THIRD & CHANNEL
Sts., Southern Pacific Co to S F
Elevator Company Inc (repairs to
elevators in Grocery Terminal
Bldg). December 8, 1931

Dec. 11, 1931—W SEVENTEENTH
Ave 125 S Vicente S 25x120; W 17th
Ave 150 S Vicente S 28x120. S F
Johnson to whom it may concern
..... December 11, 1931
Dec. 11, 1931—N KIRKHAM 82-6
W 25th Ave 25x100. Ray Allison
and John N Beck to whom it may
concern. Dec. 11, 1931
Dec. 11, 1931—E THIRTY-FOURTH
Ave 200 N Kirkham 26x120. David
Moses to F C Fisher. Dec. 11, 1931
Dec. 11, 1931—N CHESTNUT 59,285
E Pierce E 27xN 75. Harry J
Oser to Schultz Constr Co.....
..... December 8, 1931
Dec. 11, 1931—N CHESTNUT 86,285
E Pierce E 33 N 90 W 25 S 15 W
S 8 75. Harry J Oser to Schultz
Constr Co..... Dec. 8, 1931
Dec 10, 1931—S ULLOA about 155 W
Granville Way. Chas Anderson to
whom it may concern.....
Dec. 14, 1931—W RHODE ISLAND.....
136-3 N 20th St. 25x100. Matthew
H Fugina Jr and D Fugina to
whom it may concern..... Dec. 7, 1931
Dec. 14, 1931—E TWENTY-FIRST
Ave 200 N Ortega N 55x120 OL
937. Carl and Fred Gellert to
whom it may concern.....
..... December 13, 1931
Dec. 14, 1931—E FORTY-FIFTH
Ave 225 N Kirkham N 25x120 OL
725. Carl and Fred Gellert to
whom it may concern. Dec. 13, 1931
Dec. 14, 1931—N SENECA 40 W
Knights Place 134 Seneca Ave; N
Seneca Ave 93-4 W Knights Place
146 Seneca Ave N Seneca Ave 66-8
W Knights Place, 140 Seneca Ave.
A M Samuelson to whom it may
concern
Dec 12, 1931—GOLDEN GATE PARK
California Academy of Sciences
Cahill Bros, Inc (for construction
of East Wing of Museum of Calif.
Academy of Sciences) to whom it
may concern. Dec. 10, 1931
Dec. 12, 1931—S TWENTY-SIXTH
79-7/12 E Diamond 25x114. W W
Sanders to whom it may concern
..... December 12, 1931
Dec. 12, 1931—E WISCONSIN 25 N
22nd running alig E Wisconsin to
the 50 ft. line N of 22nd. Mary
Hurley to whom it may concern.....
..... December 11, 1931
Dec. 11, 1931—N FELL 165 E Web-
ster E 27-6xN 120 to S Linden.
Eugene and Domenico Meyer to
Rosario De Luca & John De Luca
(as De Luca & Son)..... Dec. 10, 1931

LIENS FILED

San Francisco County

Recorded Amount

Dec 10, 1931—SW GEARY and Mas-
son S 100 x W 40. Herman Cas-
tler vs Mary J E Cryan and Harry
A Marquard and Marquard's Inv
Co and Home Mfg Co, Inc. \$104
Dec 8, 1931—E LAGUNA ST 100 S
Waller S 43 E 82-4 N 1-10 1/4 E 42-
10 m or 1 N 39-3 W 125. James
Canley vs Wm and Hermina Van
Herick \$125.00
Dec 8, 1931—E LAGUNA ST 100 S
Waller S 43 x E 132-4. Sudden Lbr
Co vs Wm Van Herick \$753.27
Dec 9, 1931—SW GEARY and Ma-
son Sts. M T Hoaglund and Fred
Skuse vs Home Mfg Co, Harry
Marquard and Marquard Catering
Company \$33.00
Dec 9, 1931—E 22nd Ave 98 South
Noriega S 25 x E 120. Chas R Mc-
Cormick Lumber Co vs Gust Jelm
and Geo R Norment \$395.19
Dec 9, 1931—SW LANE 75 NE Que-
sada Ave NE 25 x SE 75 ptn blk
323 South San Francisco H and
R Assn. Eduardo Crespi vs
Anthony R Sanchez \$146.25

Dec 8, 1931—NW RHINE 50 SW
Flourary extending SW 25 x NW
100. W B Jefferson as The Great-
er City Lumber Co vs Margaret
Laird and James Glandi.....\$32.85
Dec 9, 1931—E LAGUNA 100 South
Waller S 43 x E 82-4 Aetna Elec
Co vs William and Hermina Van
Herriek.....\$270.00

Dec 15, 1931—NW NAPLES 275 SW
Avalon Ave SW 25 x NW 100 blk
48 Excel Hd Assn. Strom & Smith
vs Gust Jeim.....\$107.50

Dec. 14, 1931—E LAGUNA 100 S
Waller S 43 to pt dist N 132 from
N Herman E 82-4 N 1-10 1/4 to
inter of line drawn E from pt on
E Laguna dist S thereon 144 from
S Waller to pt which is dist 139-8
from S Waller meas at right angle
thereto and 125 E Laguna E 42-10
m or l to E extremity thereof N
39-5 W 125 WA 214. Golden Gate
Atlas Materials Co vs Wm Van
Herriek.....\$501.28

Dec. 14, 1931—S NORIEGA 93 E
22nd Ave E 25xS 120. A Filippi
(as M H Ginecco & Co) vs Gust
Jeim and Geo R Normant.....\$42

RELEASE OF LIENS

San Francisco County

Recorded	Amount
Dec. 14, 1931—N BUSH 137-6 E Jones E 55xN 137-6 50 V B 220. J S and F I Guerin (as J S Guerin Co) to Board of Trustees of the Glide Foundation (credit on lien) .....\$127.50	

Dec 9, 1931—OR fix etc, 741 Diamond
St. Rose Giorgi to Mario Giorgi.....
Dec 9, 1931—NW RETIRO WAY 255-
247 SW from W Fillmore S 25 NW
92 NW 35-355 SE 117. Holmes
Lime & Cement Co to John Dean,
Milton Decker and Paul R Frugoli
Dec 10, 1931—2270 or 240 NW Retiro
Way at pt dist SW 255-247 from W
Fillmore SW 25 N 55 deg 50 min
14 sec W 92 N 10 deg 50 min 14
sec W 35-355 SE 177 to bet ptn
Marina Gardens. W E Trousdale to
Paul R Frugoli

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Amt.
(1667)	Kesti	Owner	3000
1668	Calif Culvert Co	Owner	3000
1669	Grubb	Owner	2200
1670	Wells	Wells	3000
1671	Fredrickson	Owner	2500
1672	Conlogue	Owner	3000
1674	Chevrolet	Kidder	1426
1675	Farwell	Beckett	4900
1676	Bardwell	Owner	6000
1678	Berryhill	Karnak	3500
1679	Dooley	Owner	3000
1680	Magnin	Emanuel	4500

(1667) NO. 565 FIFTY-SEVENTH
ST., OAKLAND. One-story five-
room dwelling.
Owner—David Kesti, 2217 Browning
St., Berkeley.
Architect—Not Given. \$3000

WAREHOUSE

(1668) NO. 801 PARKER ST., BER-
KELEY. One-story 1-room Class
C Warehouse.
Owner—California Corrugated Culvert
Co., 5th and Parker Sts., Oakland
Architect—Not Given. \$3000

DWELLING

(1669) NO. 1827 105TH AVE., OAK-
LAND. One-story 5-room dwell-
ing and one-story garage.
Owner—Jas. B. Grubb, 10815 Breed
Ave., Oakland.
Architect—Not Given. \$2200

DWELLING

(1670) W. CENTINAVE 300 NE 14th
ST., OAKLAND; one-story 6-room
dwelling.
Owner—Lettitia A. Wells, 6129 Laird
Ave., Oakland.
Architect—Not Given.
Contractor—E. Wells, 6129 Laird Ave.
Oakland. \$3000

OFFICES

(1671) W 81st AVE. 927 S Rudesdale,
OAKLAND; one-story 5-room of-
fice building.
Owner and Builder—Frederickson and
Watson, Builders Exchange, Oak-
land.
Architect—Keith Ponsford, 900 Creed
Road, Oakland. x \$2500

DWELLING

(1672) 2465 64th AVE., OAKLAND;
one-story 5-room dwelling.
Owner and Builder—F. W. Conlogue,
2607 64th Ave., Oakland.
Architect—Not Given. \$3000

DWELLING

(1673) NO. 887 BROOKWOOD RD.,
OAKLAND. Two-story six-room
dwelling.
Owner—W. Van Aalst, 2039 34th Ave.,
Oakland.
Architect—Not Given. \$5000

ALTERATIONS

(1674) NO. 2345 SHATTUCK AVE.,
BERKELEY. Alterations.
Owner—Chevrolet Auto Co.
Architect—Not Given.
Contractor—H. C. Kidder, 3123 Eaton
Ave., Berkeley. \$1426

REPAIRS

(1675) NO. 387 EIGHTH ST., OAK-
LAND. Fire repairs.
Owner—D. M. Farwell.
Architect—Not Given.
Contractor—Beckett & Wight, 722
Scenic Ave., Piedmont. \$4900

DWELLING

(1676) NO. 875 PORTAL AVE., OAK-
LAND. Two-story 8-room dwlg.
Owner—Chas. E. Bardwell Jr., 794
Lerida Ave., Oakland.
Architect—Not Given. \$6000

DWELLING

(1678) NO. 3276 ARIZONA ST., OAK-
LAND. Two-story 6-room dwlg.
Owner—R. M. Berryhill, 3767 Shafter
Ave., Oakland.
Architect—Not Given.
Contractor—Karnak Tile & Mantel
Co., 1950 Webster St., Oakland. \$3500

DWELLING

(1679) W THIRTY-FIFTH AVE. 40
E Jordan Rd., OAKLAND. One-
story 5-room dwelling.
Owner—Fred T. Dooley, 3936 Vale
Ave., Oakland.
Architect—Not Given. \$3000

ALTERATIONS

(1680) W BROADWAY 75 N 20th St.,
OAKLAND. Alterations.
Owner—John and Grover Magnin,
Geary St. and Grant Ave., S. F.
Architect—Not Given.
Contractor—L. & E. Emanuel, Inc.,
2665 Jones St., San Francisco \$4500

BUILDING CONTRACTS

Alameda County

No.	Owner	Contractor	Amt.
1677	Whalen	Williamson	4500

RESIDENCE

(1677) NO. 156 BROOKSIDE DRIVE,
BERKELEY. One-story five-room
1-family frame residence.
Owner—Whalen & Hufschmidt, 1822
Claremont Ave., Oakland.
Architect—W. W. Dixon, 1844 Fifth
Ave., Oakland.
Contractor—E. M. Williamson, 3761
Allendale Ave., Oakland. \$4500

COMPLETION NOTICES

Alameda County

Recorded	Accepted
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Dec. 15, 1931—FIRST & MARKET
Sts., Oakland. Howard Terminal
Corp. to Albertson-McCormick,
Sprinkler Co., Ltd. Dec. 12, 1931
Dec. 14, 1931—NO. 641 PALOMA
Ave., Oakland. W A Netherby to
whom it may concern. Dec. 11, 1931
Dec. 11, 1931—PTN LOT 15 BLK 7,
Hotel Claremont Tract, Berkeley.
Elwood T and Helen E Starbuck to
T D Courtright. Dec. 7, 1931
Dec. 12, 1931—2314 HAVENSCOURT
Blvd., Oakland. F W Conlogue to
whom it may concern. Dec. 5, 1931
Dec. 12, 1931—400 LINCOLN AVE.,
Alameda. G W Coupe to P R Haul-
man. December 11, 1931
Dec. 11, 1931—NO. 3426 PIERSON
St., Oakland. August Roseberg to
August Roseberg. Dec. 4, 1931
Dec. 11, 1931—LOT 3 BLK F, Es-
tudillo Estates, San Leandro.
Charles W and Ada J Griffith to
whom it may concern. Dec. 10, 1931
Dec. 11, 1931—SIXTY-FIRST AND
63rd Sts., Emeryville; 20th and
Broadway, Oakland. Southern
Pacific Co to Hutchinson Co.
December 5, 1931
Dec. 11, 1931—OAKLAND PIER.
Cedar St., bet. Shore and First
Sts., Oakland. Southern Pacific
Co to Hutchinson Co. Dec. 5, 1931
Dec. 11, 1931—LOT 7 BLK 8, North
Cragmont, Berkeley. James W
and Cora L Walker to G A Pierson
..... December 10, 1931
Dec. 11, 1931—SE EUCLID AVE &
Hawthorne Terrace, Berkeley.
Jessie-Lee P Decker to J Dawson
..... December 5, 1931
Dec. 11, 1931—NO. 6131 ROCK-
ridge Boulevard, Oakland. Joseph
Gauzza to John Fleming.
December 9, 1931
Dec. 10, 1931—STATE HIGHWAY,
bet. Easterly boundary and Green-

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

ville. Department of Public Works
State of Calif. to Standard Road
Planning Co. Dec 8, 1931
Dec. 10, 1931—LOT 12, Earber Bel-
rose Tract, Oakland. Unimproved
Dec. to Theo H. Lapham. Dec. 5, 1931
Dec. 10, 1931—NO. 821 SAN D11930
Road, Berkeley. Ray H. Nor-
heim to whom it may concern.....
Dec. 9, 1931
Dec. 10, 1931—NO. 9014 HILLCREST
Ave., Oakland. Angelo Magnani
to Charles Ungaretti Dec. 10, 1931
Dec. 9, 1931—S ASHLEY AVE 5 E
King St., Berkeley. Levi J Moran
to Levi J Moran Nov. 24, 1931
Dec. 9, 1931—LOT 10 BLK 4, Oak-
more Terrace, Oakland. L W and
Margaret Roth to whom it may
concern.....Dec. 8, 1931
Dec. 15, 1931—LOT 7 BLK F, Es-
tadillo Estates, San Leandro.
Charles W and Ada J Griffith to
whom it may concern.....Dec. 12 1931
Dec. 15, 1931—LOTS 31 AND 32,
Peralta Avenue Tract, Oakland.
Bertha Albrecht and Frederick
Volekers to Robert E Bartlett and
N E Rockwell Dec. 12, 1931
Dec. 15, 1931—LOT 15 BLK 9, Her-
zog Tract, Berkeley. A P and
A Adeline Perryman to G W
Wells and D E Taylor.....Dec 14, 1931
Dec. 15, 1931—LOT 32 and S 1/2 Lot
33 BLK 15, Amended Map of Sun-
set Terrace, Albany. J G and
Freda M Brown to J G Brown.....
.....December 5, 1931

LIENS FILED

Alameda County

Recorded Amount
Dec 12, 1931—1319 BRUSH STREET,
Oakland. F L Merrick doing busi-
ness as Merrick Wall Paper and
Paint Co vs Bernard White, W H
Finn \$33.02
Dec 12, 1931—LOT 16 BLK A, Sub
of a ptn of the Quigley Tract,
Oakland. Morgan Electric Co, Ltd
vs Ida Irene and John I Jones.....\$134.55
Dec. 11, 1931—W PEARL ST 170 S
Calthoun, Alameda. C W Abbott
Co vs L J and Hanna Annette and
N F Justice.....\$151.42
Dec. 10, 1931—LOT 17 BLK D, New
Piedmont Heights, Oakland. Wal-
ter Todd, \$246.80; Sunset Lumber
Co, \$487.03 vs J J Groden.....
Dec. 10, 1931—NO. 8310 E-FOUR-
teenth St., Oakland. Harry and
Cecelia Larsen (as Larsen Bros)
vs George Linton and John Gen-
lock.....\$27.20
Dec. 9, 1931—NW PERALTA AND
W-Tenth St., Oakland. Thiden
Lumber & Mill Co vs Roman
Catholic Archbishop of S. F. and
J B McCullough.....\$75.45
Dec. 14, 1931—NW PERALTA AND
W-Tenth Sts., Oakland. D W
Cronin and P J O'Connor (as
Cronin & O'Connor), \$318.80; Scott
Co, \$750 vs Roman Catholic Arch-
bishop and Chas B McCullough.....
Dec. 15, 1931—PTN LOT 8 BLK 13,
Map of Broadmore, San Leandro.
J R Pierce Plumbing Co, \$100.33;
Oliver Davis, \$194 vs H Johnson
Dec 14, 1931—W PEARL ST 170 S
Calthoun St., Alameda. Charles
Simpson, \$112.50; Clarence Markus
(as Markus Hardware Co), \$96;
Swift Lumber Co, Inc, \$608.86; F
L Courtney, \$74; Robert Streiff,
\$271.10; Frank V Berckefeldt (as
Globe Roofing Co), \$86.29 vs L G
and Hannar Annett and Noble F
Justice.....\$62.69
Dec. 14, 1931—LOTS 5 AND 6 BLK
2001, Hogan Tract, Oakland, Arris
Knapp Co vs Sam and Beckie
Feldstein and E L McAllister.....

Dec. 14, 1931—NW PEARL ST. 80
SW Calthoun, Alameda. L Scarra-
melli vs L G and Hannah Annett
and R F Justice.....\$226.75

RELEASE OF LIENS

Alameda County

Recorded Amount
Dec 14, 1931—EDITH ST and Dul-
loch Road, Oakland. Nat. East-
\$286.45; E P Murphy doing busi-
ness as E P Murphy Co to Roman
Catholic Archbishop of San Fran-
cisco, Sisters of the Sacred Names
of Jesus and Mary, James L Mc-
Laughlin Company.....
Dec 14, 1931—EDITH ST and Dul-
loch Road, Oakland. Pacific Coast
Aggregates, Inc, \$5764.53; Transit
Concrete, Ltd, \$1830.36; East-
ment Scaffolding Co, \$480.25; Hen-
ri Gregoire, \$3260, to Roman Cath-
olic Archbishop of San Francisco,
James McLaughlin Co, Chris Berg
Dec 14, 1931—EDITH ST and Dul-
loch Road, Oakland. Pacific Coast
Aggregates to Roman Catholic
Archbishop of San Francisco, Jas
L McLaughlin Co, Chris Berg,
Henri Gregoire.....\$436.76
Dec 12, 1931—EDITH ST and Dulloch
Road, Oakland. East Bay Glass Co
to Roman Catholic Archbishop of
San Francisco, Sisters of the Sac-
red Names of Jesus and Mary,
James L McLaughlin Co.....\$934.15
Dec. 10, 1931—EDITH ST AND
Dulloch Road, Oakland. Dwan &
Co to Roman Catholic Archbishop
of S. F. and James L McLaughlin
Co.....\$773
Dec. 8, 1931—PTN LOTS 23 AND
24, Subd. of Ptn of Piedmont
Heights, Oakland. Pacific Mfg Co
to Roman Catholic Archbishop of
S. F.; Sisters of the Sacred Names
of Jesus and Mary and James L
McLaughlin Co.....\$4808.23
Dec. 8, 1931—EDITH ST. AND
Dulloch Road, Oakland. J E Back
Co, Inc to Roman Catholic Arch-
bishop of S. F. and James L Mc-
Laughlin, Inc.....\$389
Dec 14, 1931—EDITH ST and Dul-
loch Rd., Oakland. United States
Gypsum Co, \$6030.02; J J Scanlon,
\$2780, to Roman Catholic Arch-
bishop of San Francisco, Sisters of
the Sacred Names of Jesus and
Mary, James L McLaughlin Co,
Chris Berg.....\$20
Dec 14, 1931—EDITH ST and Dul-
loch Road, Oakland. Transit Con-
crete, Ltd to Roman Catholic
Archbishop of San Francisco, Jas
L McLaughlin Co, Chris Berg,
Henri Gregoire.....\$20
Dec 14, 1931—EDITH ST and Dul-
loch Road, Oakland. Henri Gre-
goire to Roman Catholic Arch-
bishop of San Francisco, Chris
Berg.....\$2860

BUILDING PERMITS

SAN MATEO

BUNGALOW, \$4000; No. 247 Fifth Ave
San Mateo; owner and contractor,
Charles Hutchings, 424 Wesnane
St., San Mateo.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
(Correction in Date of Recording)
Dec. 4, 1931—LOT 5 BLK P, Hills-
borough Park No. 2. A M Alber-
toni to A M Alberton Nov. 30, 1931
Dec. 9, 1931—LOT 6 BLK L, Wood-
side Acres. Marius Valgeas et al
to Wm Kappler.....Nov. 30, 1931

Dec. 9, 1931—LOT 23 BLK 1, Home-
stead Realty Co, San Mateo, Globe
Securities Co, Ltd to whom it
may concern.....Dec. 8, 1931
Dec. 10, 1931—LOT 9 and Part Lot
10, Woodside Villas. Charlotte W
Caldwaller to Louis N Pollard
.....December 4, 1931
Dec. 10, 1931—LOTS 20 AND 21 BLK
15, San Bruno. Augustine G Mar-
tineili to whom it may concern.....
.....December 7, 1931
Dec. 10, 1931—EL CAMINO REAL
at Berresford. Isamu Mori et al
to S Fukaya.....Dec. 7, 1931
Dec. 10, 1931—LOT 20 Part Lot 19
Blk 13, East San Mateo. Robert
MacAuley to whom it may concern
.....December 9, 1931
Dec. 10, 1931—NO. 733 CHESTER
Way, Hillsborough. George E
Bennett to Ruben A White.....
.....December 8, 1931
Dec. 11, 1931—PART LOT 5 and Part
Lot 6 Blk 7, Blossom Heath
Manor. Castle Bros to Henry
Horn.....Dec. 8, 1931
Dec. 11, 1931—HARVARD AVE AND
El Camino Real, Menlo Park. As-
sociated Oil Co to E H Okendine
.....Dec. 8, 1931
Dec. 11, 1931—NE CHADBORN AVE
and Palm Ave., Millbrae. William
R McKnight to whom it may con-
cern.....Dec. 9, 1931
Dec. 11, 1931—LOT 18 BLK 13, Stan-
ford Park. A E Hoover Jr to W
F Klay.....Dec. 6, 1931
Dec. 12, 1931—LOT 18 BLK 20, East
San Mateo. Lengfeld & Olund to
whom it may concern.....Dec. 11, 1931
Dec. 12, 1931—LOT 33, Ravenswood
Villas. Clifton Woodhams et al to
whom it may concern.....Dec. 11, 1931

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
Dec. 9, 1931—LOTS 7 AND 8 BLK
2, Schwerin Subd., San Mateo. W
B Jefferson vs Ratterren Bros.....\$296.70
Dec. 9, 1931—PART LOT 6 BLK 9,
Menlo Oaks. J I Meeks vs Arne
M Arnesen et al.....\$247.20
Dec. 10, 1931—LOT 34 BLK 17,
Burlingame Grove. W C Pala-
mountain vs Peter Siberopolous.....
.....\$139.75

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded Amount
Dec. 10, 1931—LOCATION NOT
Given. E A Mueller to H W
Haugham et al.....\$56
Dec. 10, 1931—LOCATION NOT
Given. Edward Brady to W T
Alexander et al.....
Dec. 10, 1931—LOCATION NOT
Given. A E Mueller to Harold G
Jervis et al.....\$21.25
Dec. 11, 1931—LOT 2 BLK 27, Lyon
& Hoag Subd., Burlingame. Walter
H Medley to Hallie E Kastering.....

BUILDING PERMITS

SAN JOSE

DWELLING, two-story frame, duplex.
\$6445; No. 476 S-Fifth St. San
Jose; owner Arch Vining Prem.;
contractor J. G. Luebgen, 843 Del-
cades Ave., San Jose.
BUSINESS building, type III, \$6000;
Julian St. near First St., San
Jose; owner, M. J. Glennon, 35
Hawthorne; contractor, Wm. M.
Caldwell, 1241 Hedding St., San
Jose.

BUILDING PERMITS**PALO ALTO**

ALTER residence, \$1000; No. 552 Kellogg Ave., Palo Alto; owner, Mrs. F. R. Smith, Premises; contractor, M. Klay, Menlo Oaks Drive, Menlo Oaks.

BUILDING PERMITS**REDWOOD CITY**

DWELL: G, 2-story, 6 rooms, bath and garage, \$6500; 914 Whipple Ave.; owner, Gus H. Kouns, Robertson Ave., Newark.

COMPLETION NOTICES**SANTA CLARA COUNTY**

Recorded Accepted
Dec. 11, 1931—LOTS 8, 10, 12, 14 and 16 Blk 33 Map No. 3; Part SW 1/4 Sec. 29 and NW 1/4 Sec. 32 Tsp 6, Los Altos. Adolph and Bertha Knofloch to The Minton Co.

Dec. 10, 1931

Dec. 11, 1931—NW HEDDING W 83 R/W Elm St. SW on Hedding St. 37 r/w NW 110 r/w NE 37 r/w SE 110 and part Pt. Lot 2B 12, University Grounds. Emory E Moore to whom it may concern. Dec. 10, 1931
Dec. 11, 1931—PTN LOT 2 BLK 85 having frontage of 60 ft. on Hale St., beg 244 ft. from SE line of Hamilton Ave., No. 655 Hale Ave., San Jose. John and Mrs. John Stephens to Aron & O'Kerman.

December 10, 1931

Dec. 11, 1931—LOT 16 BLK 3, Restwood Park Map No. 2, being Subd of part Lot 8 Cottage Partition in Narvaez Rancho. Willow Glen. Ernest and Laurie C Lorentz to whom it may concern. Dec. 11, 1931
Dec. 12, 1931—LOTS 15 AND 16 BLK 22, College Terrace, Mayfield. Jas S Mead to V L Lean.
Dec. 9, 1931—W SEVENTEENTH St. 100 S Taylor St. S on 17th 41.84 W parl Taylor St. 12 N parl 17th St. 41.84 E parl Taylor 125 ft. to pt of beg. San Jose. R C Washburn to whom it may concern.

December 8, 1931

LIENS FILED**SANTA CLARA COUNTY**

Recorded Amount
Dec. 9, 1931—NE COWPER ST. at its inter with dividing line bet. Lots 8 and 9 Blk 72, South Palo Alto Subd No. 8, Seale Tract NW on Cowper St. 41x44 ft. to pt. of beg. Part Lots 8 and 9. William and J C Urban, \$111.07 and \$12 (2) liens) vs Cleveland Smith and Allan Cutler.
Dec. 10, 1931—LOT 2 BLK 5 R S S Snow & Pettis Addn, 605 Mt View Ave. W T Groshong vs Bert Bezio also known as Bert Besio. \$250
Dec. 14, 1931—LOTS 5 AND 6 BLK 31, College Terrace, Palo Alto. Wm Herbert vs Sam B and Della G Goss. \$185

BUILDING CONTRACTS**MARIN COUNTY**

RESIDENCE
ROSS. All work for frame and stucco residence.
Owner—Vernon M. and Edna Alvord. Woodside Way, Ross.
Architect—Not Given.
Contractor—Frank Howard Allen, Inc., 232 Main St., San Anselmo.

Filed Dec. 9, '31. Dated Dec. 7, '31.
Frame up \$1587.50
Plaster on 1587.50
Building accepted 1587.50
Usual 35 days 1587.50
TOTAL COST, \$6350.00

Bond, \$3500. Surety, Vernon M. and Edna Wilde Alvord. Limit, forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS**MONTEREY COUNTY****ALTERATIONS**

SALINAS. All work for remodeling three-story and basement hotel. Owner—D. France, 117 Main St., Salinas.

Architect—H. H. Winner, 580 Market St., San Francisco.

Contractor—Carl N. Swenson, 355 Stockton Ave., San Jose.

Filed Dec. 15, '31. Dated Nov. 30, '31.
As work progresses 75%
Usual 35 days 25%
TOTAL COST, \$23,118

Bond, none. Limit, 100 working days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES**MONTEREY COUNTY**

Recorded Accepted
Dec. 9, 1931—LOT 8 BLK 26, Hermann's Addition to New Monterey. Thomas Wood to Chester J Raymond. December 5, 1931

Dec. 14, 1931—S 1/4 OF LOT 14 and all Lot 16 Blk 53, Map Second Addition to Pacific Retreat. Charles A and Maude M Borchers to whom it may concern. Dec. 11, 1931

Dec. 14, 1931—PTN OF BOLSA de San Cayetano Rancho. Rose M Bell to Snyder & Biddle. Dec. 11, 1931

Dec. 8, 1931—LOT 9 BLK 3, Map of Monterey Heights, Monterey. Anthony R and Isabel M Dias to Monterey Bldg & Supply Co.

LIENS FILED

CONTRA COSTA COUNTY

Recorded Amount
Dec. 8, 1931—LOT 1 OF N. E. 1/4 OF
Section 34, T. 12 N., R. 12 E., S. 2
Holt vs. F. J. ... \$1,200.00

COMPLETION NOTICES

SONOMA COUNTY

Recorded Accepted
Dec. 11, 1931—N. 1/2 of Sec. 10, T. 12 N., R. 12 E., S. 2
whom it may concern...Dec. 12, 1931
Dec. 11, 1931—N. 1/2 of Sec. 10, T. 12 N., R. 12 E., S. 2
Grounds near Santa Rosa, City of
Santa Rosa Junior College Dist to
W. H. ... \$1,000.00
Dec. 11, 1931—G. L. ... \$1,000.00
S. 1/2 of Sec. 10, T. 12 N., R. 12 E., S. 2
to W. H. ... \$1,000.00
Sept. 12, 1931

BUILDING PERMITS

SACRAMENTO

APARTMENT 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
Y St., Sacramento; owner, J.
Edenhofer, 3030 17th St., Sacra-
mento.
DWELLING, 5-room and garage,
\$5000; No. 3556 M St., Sacramento
owner and contractor, J. T. Rans-
dell, 1144 18th St., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Dec. 11, 1931—LOT 245 Section 18
Unit No. 1, Sacramento, Mrs Jen-
nie A. Hady to whom it may con-
cern... \$1,000.00
Dec. 12, 1931—LOTS 3, 4 AND 125,
McKinley Blvd. Tract No. 2, Sacra-
mento, John Simmons to whom
it may concern... \$1,000.00
December 11, 1931

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
Dec. 11, 1931—LOT 11 BLK 5, North
Sacramento Sub. No. 9, known as
2317 Del Paso Blvd., North Sacra-
mento, Mapes Lumber Co vs
Walter M Gleason, Berkeley Ice
Cream Co., Ltd; T B Moran, Pex
Ice Cream Co, E V Jedin, K Her-
man, L Stahlman and Jack Mor-
tin... \$294.17
Dec. 11, 1931—LOT 11 BLK 5, North
Sacramento Subd. No. 9, A W
Sweet vs Walter M Gleason et al
... \$174.48
Dec. 9, 1931—LOT 10 W & K Tract
33, Sacramento, Emigh-Winchell
Hardware Co, Inc vs Aiden and
Norman H Black... \$24.75

BUILDING PERMITS

FRESNO

DWELLING and garage, \$3000; No.
1577 Glenn Ave., Fresno; owner,
H. S. Koon, 555 Bond St., Fresno;
contractor, Douglas W. Bush, 3015
Nevada St., Fresno.

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Dec. 9, 1931—LOT 4 BLK 1, ...
N. Fresno Terrace, Fresno. Taylor-
Wheeler, Inc to whom it may con-

cern
Dec. 7, 1931
Dec. 9, 1931—LOTS 30, 31 AND 32
159, 7th Fresno, Town Companies
Trust, Church of Fresno to Wm
L. ... Nov. 27, 1931
Dec. 7, 1931—LOT 7 N 15 ft. lot
N 1/2 1/4, High Addition, Fresno,
R M Merrill to Wm J. D. ... con-
cern... Dec. 5, 1931
Dec. 7, 1931—PART LOTS 51 AND
52 Fresno Cal. Hotel Schwaben-
land to Masler Bros. ... Dec. 4, 1931
Dec. 10, 1931—LOT 14 streets Terrace
Fresno, State Natio to whom it
may concern... December 8, 1931

LIENS FILED

FRESNO COUNTY

Recorded Amount
Dec. 8, 1931—NE 1/4 OF NE 1/4 OF
Section 16-20 Fresno, Midler
Bros Lumber Co vs H H Riven
et al
Dec. 2, 1931—LOTS 15 AND 16 BLK
18 1/2 Fresno, T J Watson vs
Charles H. ... \$1200

BUSINESS OPPORTUNITIES

Names and addresses of persons or
firms concerned in the following op-
portunities will be furnished on re-
quest to Business Opportunity, Depart-
ment, Daily Pacific Builder, 547 Mis-
sion St., San Francisco, or phone GAR-
field 8744:

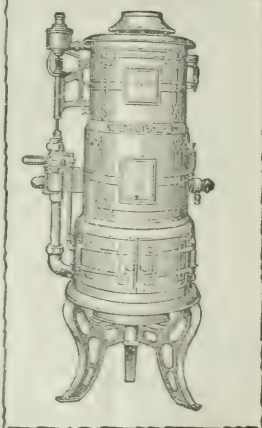
- 21558—Automobiles, Automotive
Parts, Shanghai, China. Party de-
sires to enter into negotiations with
exporters of second-hand automobiles
and trucks in first class condition—also
automotive parts and accessories.
- 21593—Brushes, San Francisco.
Party inquires for list of firms which
might be interested in importing
brushes from Italy.
- 21554—Carpets, San Francisco. A
Czechoslovakian exporter of carpets
wishes to contact local dealers.
- 21551—Raffia Fiber, San Francisco.

French exporter of raffia fiber seeks
an agent in San Francisco.
21562—Lisle Fibre, San Luis Potosi,
Mexico. Exporters of lisle fibre are
seeking a local market.
21565—India Rubber, New York.
Firm inquires for list of firms in-
terested in growing India-rubber
(gum elastic) in foreign lands.

E. W. Roth, 2029 Preslar Way, Oak-
land Calif., is seeking exclusive sales
agent for high grade polishing
paste throughout California.
George Wilson, Secretary, Electric
Ad. Check Co, 554 West Jackson Blvd.,
Chicago, Illinois, desires representa-
tion in this city for their product.
G. E. Carson, Phoenix Distributing
Co., 757 Terminal St., Los Angeles,
Calif., is desiring of handling lines of
local manufacturers.
G. L. Luan, General Sales Mgr., Gen-
eral Lubricator Co, 3142 W. Garfield
Ave., Milwaukee, Wis., manufacturer
of motor oil seeking representative in
this city.
L. W. Pells, L. W. Pells Company,
69 West 46th St., New York City, N.
Y., has facilities for representing local
manufacturer.

V. F. McMurdo, Luckenbach Steam-
ship Co., 310 Sansome St., San Fran-
cisco, wishes market for 2500 tons
A.S.C.B. 85 pounds relaying rails, im-
mediate delivery.
S. S. Levy, Wa-Shade Sales Co., 118
East 25th St., New York City, N. Y.,
is seeking distributor in this locality
for patent window shade.

A 4-page circular 20 of the Chausse
Oil Burner Co., 1227 West Beardsley
Ave., Elkhart, Ind., describes a port-
able bituminous perfecting plant for
the construction of low-cost black top
asphalt surfaces placed directly on
gravel, worn hard pavement or other
suitable foundation. This machine, a
complete portable asphalt plant with
a daily capacity of 200 to 250 tons, is
built in two units for easy moving.



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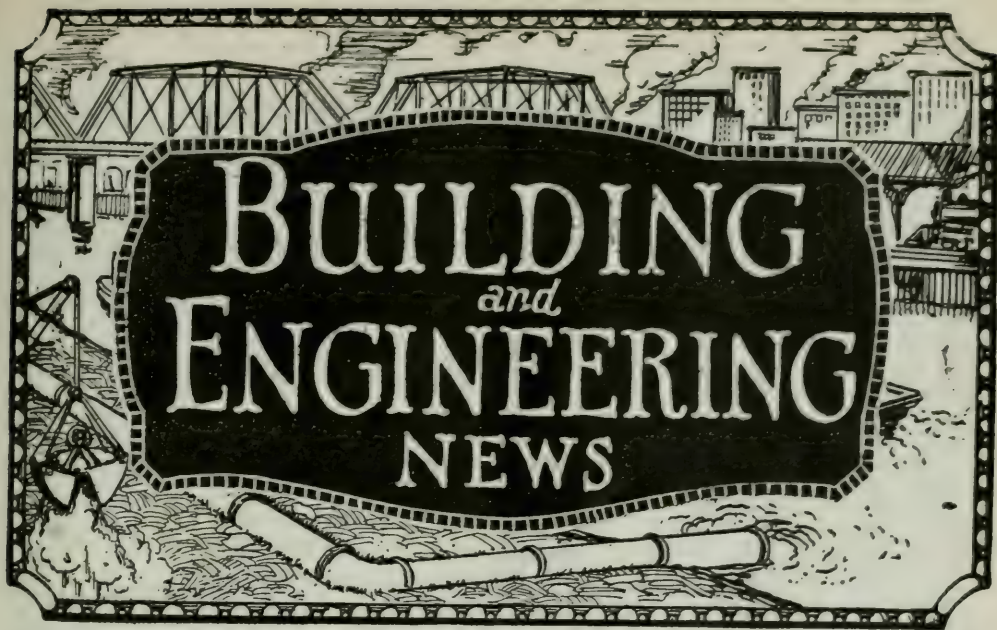
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Publication Office
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Published Every Saturday
Thirty-fifth Year, No. 52

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Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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ALAMEDA A. G. C. ELECTS OFFICERS

S. G. Johnson was elected president of the Alameda County Chapter, Associated General Contractors, as the annual meeting of that body held last week.

Geo. J. Maurer was elected vice-president and Henry J. Christensen, treasurer.

William E. Hague was re-elected secretary-manager.

Under the two year rotating plan of the By-Laws the following general contractors will serve as the Board of Directors for 1932: H. J. Christensen, S. G. Johnson, E. T. Lesure, R. W. Littlefield, W. E. Lyons, Geo. J. Maurer, and W. G. Thornally.

In conformity with National recommendations an aggressive home building plan will be pushed by the East Bay Chapter in 1932. The Associated General Contractors are the fathers of the government plan to finance home building in a large way through the setting up of a Federal Reserve Bank through the medium of which the present frozen assets of the many loaning agencies of the country will be freed and new money secured for new home building loans. A. P. Greensfelder is the President of the Associated General Contractors and Chairman of President Hoover's Committee on Home Building and Home Ownership which met in Washington last week.

ENGINEERING CLASS WILL BE STARTED BY U. C. EXTENSION

A course in "Structural Engineering," to be inaugurated by the University of California Extension Division beginning Monday evening, Jan. 4, at 7 o'clock at the Extension Building, 540 Powell Street, is announced.

The course will be given by Norman B. Green and is intended primarily for architects, contractors, draftsmen, and others interested in the building industry. The work embraces the principles of design of steel, concrete and wood structures with special reference to buildings and provides the fundamentals necessary for practical application of the subject.

Mr. Green is a graduate of Stanford University and has studied in the Graduate School of the University of Illinois. He is in active engineering practice and has been connected with many building projects in the bay region, as consultant and designing engineer. He will draw upon his wide experience in this field, to render the course thoroughly up to date and practical.

The coast of southern British Columbia and Vancouver Island has a uniformly mild climate throughout the year and are favorite resort districts.

NO OPPOSITION TO USE OF LUMBER SAYS TREASURY DEPT.

There is no discrimination against the use of lumber in public buildings costing less than \$1,000,000, the U. S. Treasury Department declared to delegations from Oregon and Washington last week, answering charges that metal instead of wood sashes and trimmings was used. A scientific argument was presented showing wooden sashes a less fire risk than metal.

Asked by Senator Steiwer why wooden sashes were not specified for the new Portland postoffice, the supervising architect replied, because the local architect had recommended metal, offering to show his files in substantiation.

Silver Creek Water Project Is Defeated

The Sacramento Municipal Utility District, by a vote of 13,687 in favor and 7,871 against, last Wednesday defeated the proposal to issue bonds of \$12,600,000 to finance construction of the Silver Creek project to provide Sacramento with a mountain water supply system having a capacity of 70,000,000-gallons per day.

Of the total amount of money provided in the issue, \$10,800,000 was to be used in connection with the water project proper and \$1,800,000 for special conduits to furnish water to the Pacific Gas and Electric Company powerhouse. The power company was to construct the powerhouse at a cost of \$2,500,000.

Albert Givan is chief engineer for the district.

LOW PRICES ON TEXAS ROAD WORK

The Texas state highway commission has awarded 259.8 miles of new roads, eleven bridges and one grade-crossing elimination at a bid cost of \$1,781,378, about \$300,000 less than was estimated. The commission also called for bids approximating \$1,400,000 to be received and awarded later.

Bids received at this meeting were among the lowest ever received by the commission, Engineering News-Record reports. The lowest price ever bid on concrete pavement was received, 93c. a square yard. This compares with prices of more than \$2 two years ago and well over \$1 this year up until this letting. However, some of this differential in price was due to cheaper processes that have been developed by the highway department. Some jobs were bid at nearly half the estimated cost.

SACRAMENTO SELECTS SCHOOL ARCHITECTS

Separate bids will be asked for the plumbing, heating and electrical portions of the work in connection with the erection of three new junior high schools for which the Sacramento City School District recently voted \$1,146,000.

This announcement was made by the Sacramento Board of Education following the request of the Master Plumbers' Association and the Electrical Contractors' and Dealers' Association that segregation of mechanical work be provided in the calls for bids.

Architects for the three new schools have been selected. Charles F. Dean was named to prepare the plans for the junior high school in East Sacramento. Harry J. Devine was selected to draw the plans for the Homeland-Crutis Park school, and William E. Coffman was named architect of the third school to be built at Sacramento Boulevard and Tenth Avenue.

Architectural contracts will be signed when the sites for the schools are determined.

RED RIVER LUMBER AGAIN CUTS WAGES

For the second time in 18 months, the Red River Lumber Company at Westwood, Calif., has announced wage reductions for all of its employees.

The new wage scale, which became effective yesterday, provides for reductions in the wages and salaries of employees hired previous to November 15th, of 10 per cent. Employees hired after November 15th will take a reduction of 8 per cent additional to that of the older employees.

Coincident with the wage cut the company, which owns all establishments in Westwood other than the post office, the Western Union Telegraph Company's branch and the Southern Pacific property, announced reductions in house rent, bread, electricity, milk and wood for fuel.

The reduction in house rent range from 15 per cent for employees earning less than 30 cents an hour to no reduction for those earning over 70 cents an hour or receiving salaries of over \$160 per month. Bread will be sold at 12 cents for the pound and a half loaf and 8 cents for the pound loaf, and milk, purchased with tickets will be 10 cents a quart, and without tickets 12 cents.

On July 28, 1930, the company cut the wages of its employees 15 per cent.

In reply to a query from State Superintendent of Public Instruction Vierling Kersey, the attorney-general ruled that the 1927 consolidated school law did not empower a consolidated school district to issue bonds. Atty.-Gen. U. S. Webb said the law gave the districts the authority to levy taxes.

CONTRACTORS' LICENSE LAW HINDERS IRRESPONSIBLES AND PROTECTS THE HONEST BUILDER

By E. W. (Ed) Hokom, Manager, Peninsula Merchant Plumbers' Association

That the Contractors' License Law is effective when properly enforced has been proven in a great many cases and that it is the means by which the light of publicity can be thrown on the responsible contractor to his advantage is the opinion of many outstanding persons in the construction industry.

"That the applicant is of good reputation," states the law, before the Registrar of Contractors issues him a license and although there may be some who pass the line on account of the lack of information that is available at the time of application, the state officials have caught up with them at a later date. Many cases have come to their attention where contractors of ill repute before this law was passed now feel the restriction placed upon them and have squandered up their old accounts.

The contractor who refuses to apply for a license is subject to arrest, which happened in the Drinkwater case in San Jose, Calif. Every effort was made by the field man to have this man take out a license and he as strongly persisted that he did not have to and the result was that he was placed in jail. Upon complying with the law, the judge suspended passing sentence for a period of six months. This case is on file at the County Court House of Santa Clara County.

Case No. 5035, Registrar of Contractors. In this case the applicants paid in full \$13,000 to complainants before they were granted a license; whereas they had settled with the rest of the creditors a total of \$117,000 at 25 cents on the dollar.

The light of publicity thrown on the Amoroso job in Richmond by charges being brought against the defaulting contractors, Valine & Lawrence, under the Contractors' License Law, undoubtedly helped to bring about a settlement of the bills by the bonding company. The job is now being finished by the former sub-contractors. The bonding company voluntarily appeared while this case was being heard by Examiner Lutz and stated that they wished to make a settlement. The Registrar of Contractors has no jurisdiction over bonding companies but it is the opinion of those who are familiar with this case that the notoriety given helped to straighten things out. Publicity in most cases is very effective and the fear of it has kept many men in the straight and narrow path.

The Registrar of Contractors may temporarily suspend or permanently revoke a license if the holder is guilty of any one or more of the following acts or omissions, contained in Section 9 of the law.

Paragraph No. 1—Abandonment of any contract without legal excuse. The old game of collecting the roughing-in payment and then quitting the job, leaving the material men and labor to hold the sack or getting into a dispute over the plans and specifications and then pulling stakes without being legally safe, comes under this paragraph.

Paragraph No. 2—Diversion of funds or property received for prosecution or completion of a specific contract, or for a specified purpose in the prosecution or completion of any contracts, and their application or use

for any other contract, obligation or purpose.

Rather hard on the "Robbing Peter to pay Paul" type of contractor when they get caught at it. Very helpful to the sub-contractor where the general contractor is holding out funds that rightfully belong to the sub-contractor. Material bought for a specific job and not paid for is cause for a complaint against the buyer. There are many cases on record where the license has been suspended until all obligations have been satisfied. When this paragraph is lived up to it will cut liens down to a minimum. A real benefit to the public and to the responsible contractor.

Paragraph No. 3—Fraudulent departure from or disregard of plans or specifications in any material respect, without consent of the owner or his duly authorized representative.

It is the duty of every responsible contractor to report any violations of this paragraph. By doing so you will protect the public as well as yourself. **Case No. 5037** violated specifications on concrete; license suspended. **Case No. 5123-27** changed material, plans and specifications; license suspended. Many other cases are on file in the Registrar's office. Get a written order for all changes or you are liable to suspension, and it is good business anyhow. Be sure that an authorized party signs the order.

Paragraph No. 4—Willful and deliberate and disregard of violation of the building code of the state, or of any political subdivision thereof, or of the safety laws or labor laws of the state.

Make it your business to know the state, county and city laws and live up to them. **Case No. 5034—License** cancelled for violating the building code of San Francisco. There are many cases of plumbing codes being violated every day. To combat them, get the support of the local plumbing inspector wherever possible. If this cannot be done, register your complaint with the Registrar of Contractors, as the state laws are above the city and county laws. The plumbing industry is surrounded by many good laws and when the plumbing contractors see that they are strictly enforced conditions will be greatly improved and the health of the public protected.

Paragraph No. 5—Failure to keep records showing all receipts and disbursements of the licensee in all of his transactions as a contractor as that term is defined in this act.

Keep a book record of all receipts and disbursements on all jobs. This record is open for inspection by the department or investigator at all times. File all contracts, specifications, records of your transactions or any record of value pertaining to the job. For many years our trade associations have endeavored to put this over and now the law says, "Keep books, so we can tell what you are doing towards protecting the public and the responsible contractor."

Paragraph No. 6—Misrepresentation of a material fact by applicant in obtaining a license.

Case No. 5138-43 is one case where the applicant stated that his license had never been suspended and as this was judged a misrepresentation he was refused a license. Stick to the truth—it pays in the long run, anyway. If you have failed at any time say so; there are a great many suc-

cessful men in this country who have failed at some time during their business careers.

Paragraph No. 7—The doing of any willful, fraudulent act by the licensee as a contractor in consequence of which another is substantially injured.

There is a case of a plastering contractor at Fresno who submitted a very low bid to a general contractor, but when it came to signing the contract the sub-contractor could not furnish a bond. The general contractor filed a complaint against the sub-contractor, claiming that he, the general contractor, had been injured to the extent of \$1900. The Examiner held that the general contractor had been injured and the license of the plastering contractor has been held up pending settlement.

Paragraph No. 7 is rather broad; several contractors have stated that the peddling of bids would be a violation of this part of the law. There is no doubt that many sub-contractors have been injured by this onerous practice. That peddling of bids is willful, and if it can be shown that a general contractor does misrepresent facts and figures it may be construed as fraudulent.

J. H. Fitzmaurice alleges in a complaint that A. F. Hansen, a general contractor, after using his figure and agreeing to give him the work, awarded the sub-contract to another firm. The East Bay building fraternity is watching this case with interest.

In its entirety, the Contractors' License Law shows that the man who wants to conduct his contracting business in the proper manner will derive great benefit by adhering to the law. But it is one thing to get good laws on our statute books and still another thing to have these laws properly enforced. Those empowered to enforce the law can only cover a limited amount of territory and to have the law applied effectively, it is up to every responsible contractor to lend every assistance possible.

City Ruled Immune From Anti-Trust Laws

In what is believed to be the first test of its kind to be judged by a superior court, the Supreme Court of Idaho has declared that a municipality is not subject to anti-trust laws, the Business Week reports. Supporting the opinion of the Bingham County District Court, it refused to grant the suit of receivers of East Idaho Gas Co. against the City of Idaho Falls and ruled that, in writing the state anti-trust law, the legislature clearly intended to limit it to private corporations.

The gas company held a 50-year franchise to supply gas, except for lighting, in Idaho Falls; in 1924 it began the distribution of manufactured gas from a \$75,000 plant. The city, which owns and operates a hydro-electric plant, passed an ordinance establishing a low rate for current used in heating water and restricted use of the low rate to persons using electric ranges.

Charging that this action was for the purpose of monopolizing the business of selling heating units, the gas company brought suit. It also charged that the municipal company was selling current for cooking and heating at less than cost to force it out

THE OBSERVER

What He Hears and Sees on His Rounds

A reduction in the number of convicts to be employed on state highway work in Virginia has been announced by the State Highway Department. The action was taken partly in view of the fact that so much free labor is unemployed and partly because it will be possible to have the road work done at a lower price by contract and by free labor.

Superior Portland Cement Co. last Tuesday declared a special dividend of 25c a share on the outstanding class "B" stock, payable December 21 to stock of record December 12.

Plans for the \$75,000,000 San Francisco bay bridge will be completed by January 1, 1933, and if all goes well, the bridge will be under construction and ready for traffic across it by Jan. 1, 1937.

Governor Rolph was thus informed by State Highway Engineer C. H. Purcell in a progress report upon the bridge.

"We have 55 persons employed on preliminary designs for the main span," Purcell said. "The work is being rushed, and the consulting board will meet in San Francisco Jan. 25."

"The final decision will be made then as to the exact type of span length over the west channel. Three types are now being studied as to their economical build. One provides for a 3800 foot clear span and 1550 side span; a second for two 2300 foot suspension spans and 1115 foot side spans, and a third for three continuous suspension spans of 2300 feet."

George E. Pistor, for many years treasurer of the American Institute of Steel Construction, addressed the school of civil engineering at Cornell University December 11, drawing upon his personal experience in describing the various steps in the fabrication and erection of steel. He pointed out that speed of erection and safety of the workmen are the two prime requisites of steel construction today. In some of the gigantic construction projects the interest charges on the site and the construction loan amount to thousands of dollars a day, Pistor declared, and the premium for quick delivery of the finished project becomes an important consideration to the contractor. At the same time builders are hedged about by liability laws and the safety of their workmen is a matter which outweighs even the rewards for speed. Consequently steel erection has been vastly modified within recent years and is becoming an important science.

San Francisco was the only city to furnish data for a study of housing costs for home owned clear and those mortgaged, at the recent President's Conference on Home Building and Home Ownership. The report made before the Committee on relationship of income and the home reveals a lower average cost of housing than in most cities of the country of comparable size, according to Nell Davis, state secretary, California Building - Loan League, who attended the Washington meeting.

This study showed that families in San Francisco with average annual expenditure of approximately \$2000, who

owned their homes clear, spent an average of only \$265 (\$22.08 per month) for housing; whereas, those renting spent an average of \$342 (\$28.50 per month); and those who were still making payments on their homes \$440 (\$36.67 per month). The latter figures included payment on principal. The findings indicate that in instances where it was possible to deduct payment on principal from current expense, current expense of owners was found to be less than that of renters.

The financial advantages of home ownership often disputed, are found in a study of the Committee's statistics, by Mr. Davis.

The average purchase price of the house owned by street car employees in San Francisco, with average annual expenditures of \$2665, was about \$3400. An average of 10 per cent of the annual expenditure was allotted to household operation by San Francisco families with average incomes of \$2109, and 3.6 per cent of it was spent for light and fuel.

"As a result of complaints that workers on public building contracts are being forced to rebate part of their wages to the contractors, Senator Wheeler, of Montana, has announced his intention of calling for a complete investigation to ascertain if the purpose of the prevailing wage act is being defeated by such practice," says Paul Wootton, Washington correspondent for Engineering News-Record.

"He states that a specific instance of a forced rebate of wages on one of the building projects in Washington has been brought to his attention. In many other cases workers on public building projects are forced to take lower wages than is indicated by official records, Senator Wheeler has been informed, and he believes that such practice if allowed to continue will eliminate responsible contractors from government work."

"In his annual report to the President, Secretary of Labor Doak states that the Davis-Bacon prevailing wage law has had a beneficial effect upon industry generally throughout the country. He believes that most contractors have endeavored to comply with the provisions and takes the position that it is an eloquent testimony of the disposition of contractors to comply with the act that he has been compelled to determine the rate in only one case."

"No specific cases of forced rebate of wages have come to the attention of the labor department. Investigation of rumors that this practice has been indulged in on certain projects invariably has shown that nothing improper was being done."

Citing figures to prove that construction has actually declined since the depression set in, Senator Wagner, Democrat, of New York, last Monday provided legislative machinery for the immediate appropriation of \$2,000,000 more in public works, the cost to be refrayed by a bond issue.

Wagner introduced a resolution calling upon President Hoover and the Federal Employment Stabilization Commission, created last year for just such an emergency, to submit to Congress additional estimates for public works at once.

Early passage by the Senate is virtually assured.

Wagner said the latest available estimates show about 7,300,000 men idle, with the volume of industrial production still far below par, he said.

"Construction of buildings has declined not only from 1928 and 1929 levels, but even from the low levels reached in 1930."

The Federal stabilization board was created by Congress last year, under a bill introduced by Wagner, for the sole purpose of proving long range construction programs to take up the slack in depression. Wagner's resolution was intended to spur the board to action.

Citing the need for a bond issue, Wagner said:

"There is no more grievous extravagance than the United States is today guilty of than that it permits the valuable time and labor of its unemployed to go irretrievably to waste. And that policy involves far more than a dollar and cents loss."

Mismanagement of construction work with attendant financial losses, generally starts with lack of intelligence in the preparation of a bid. On this general topic of bidding practice, Richard Hopkins, road-building contractor of Albany, N. Y., gave some sound advice to the highway division of the American Society of Civil Engineers. He said, in part:

"As a general rule, a man who obtains more than 20 per cent of the work on which he bids is not a good bidder. He is bidding below the market. Good bidding is more often found among those who are awarded contracts for fewer than 10 per cent of their bids. It is much better to let machinery, depreciation and parts of an organization stay idle than it is to lose cash from a bank account. From two to six months before a job is planned to be finished the contractor should be looking over prospective work and putting in occasional bids on desirable jobs. There is no more pitiful figure in the construction world than the man who has a smoothly running and efficient organization on a particular job and waits until a week or two before it is finished to start bidding on new work. The result is likely to be bad from three angles: The new work may not be the right kind; it may not be obtained in time; and the price may be much too low."

Necessary expense incurred by a regular member of a trade association in sending a representative to the annual convention of the association for the sole purpose of furthering the business interests of such member, constitute an allowable deduction for federal income-tax purposes, according to an informal ruling of the United States Commissioner of Internal Revenue.

The ruling was made by the Commissioner after his denial of such deductions had been reversed by the Board of Tax Appeals in a contested case, and as a result has been extended to cover all expenses of business men in attending their trade association conventions when business is the sole motive in view.

Directors of the Santa Cruz Portland Cement Company last Tuesday declared an extra dividend of \$2 per share, payable December 24 to stockholders of record December 21. In addition the regular quarterly dividend of \$1 per share was declared payable January 1 to shareholders of record

HERE—THERE EVERYWHERE

According to the U. S. Bureau of Foreign and Domestic Commerce, bill is to be presented to the French Parliament calling for the execution of public works involving an expenditure of about \$120,000,000, including the following: ports, \$20,000,000; waterways, \$2,000,000; schools, \$12,000,000; hospitals, \$14,000,000; civil aviation and air ports, \$6,000,000, and highways, \$24,000,000.

Willard Lumber & Supply Co., a \$25,000 Fresno corporation headed by M. W. Terrill, has been authorized by the State Corporation Department to sell 160 shares of capital stock at par, \$100, and the remaining 90 shares to Terrill and associates at par.

Reports from nine states thus far canvassed in a proposed nationwide survey indicate that the number of electrically wired homes has been increasing steadily for the last five years. This survey is being made by the electrical equipment division of the department, and was requested by manufacturing concerns, advertising agencies, promotion departments of newspapers and periodicals, and others interested in locating potential markets for electrical household equipment.

Dr. Edward R. Weidlein, Director, Mellon Institute of Industrial Research Pittsburgh, Pa., has announced that the Lukens Steel Company of Coatesville, Pa., has established in the Institute an Industrial Fellowship whose purpose is the scientific investigation of processes employed in the manufacture of steel plates. Erle G. Hill, who received his professional education at the University of California, has been appointed to the incumbency of this Fellowship. He is a specialist in iron and steel technology who was previously associate professor of metallurgy in the School of Mines of the University of Pittsburgh.

Union carpenters of Cleveland, Ohio, on December 15 accepted a \$2 a day wage cut which will prevail until March, 1933.

Alfred J. Cleary, a civil engineer, has been named by Mayor Angelo J. Rossi, as chief administrative officer under the new charter. He will receive a salary of \$12,000 a year.

Mr. Cleary is a native of San Francisco and a graduate of the Universities of San Francisco (St. Ignace) and California. He is credited with solution of the problem of preventing incursion of salt water into the Sacramento and San Joaquin delta, the discovery of the Mokelumne River project as a fresh water supply source for the East Bay cities and was the original proponent of the Rincon Hill bay bridge.

During the period 1921-29, Cleary was consulting engineer for the state in development of water resources. He has also served as chief assistant city engineer in charge of Hetch Hetchy construction and also as an independent engineer in charge of building the eighteen mile Hetch Hetchy tunnel for the Construction Company of North America.

James H. Howard, co-author of the Metropolitan Water District Act and widely known authority on water law, has been selected by directors of the

Metropolitan Water District to succeed William B. Mathews, general counsel of the District who died last week. Mr. Howard, whose home is in Pasadena and who was formerly city attorney there, maintains law offices at 1001 Citizens National Bank Bldg. in Los Angeles. As general counsel for the District he will assume the task of solving all legal problems which arise in connection with construction of the giant \$220,000,000 Colorado River aqueduct.

After a 6-month study the Massachusetts Special Commission on Stabilization of Employment has recommended to the State General Court:

(1) Creation of a planning board to formulate a five-year public building plan which, through the use of 5-year short-term notes equal to 10% of the estimated total cost of the plan, would permit a 50% increase in building operations during a year of depression. Thus, should the 5-year plan call for a \$50,000,000 expenditure—\$10,000,000 to be spent each year—short-term notes for \$5,000,000 would be authorized. If an emergency were declared the Planning Board would spend \$15,000,000 during the year, the extra cost to be met by previously authorized notes.

(2) Further expansion of the state employment service to cover all employment centers adequately.

(3) More rigid control of private employment agencies; limitation of number and fees; state instead of local licensing.

The commission suggests 3 broad lines of approach to a solution of the unemployment problem: (1) regularization of industry; (2) better organization of the labor market; (3) increasing the employability of workers.

A transportation problem involving moving the greater part of a city's population between an upper and a lower level, has recently been solved by the engineers of the Otis Elevator Company.

Bahia, a city in northern Brazil, supplied the problem. With its business center bordering on the bay, and its residential district on the top of a steep incline 195 feet above, the question of transportation was always a perplexing one to the residents.

Within recent years, as a result of the rapid growth and general progressiveness of the city, the need for modern transportation facilities became extremely acute. To meet this need, engineers were consulted.

At their suggestion, the monumental La Cerda Tower was built. Made of reinforced concrete, 240 feet high, this tower is connected with an older and smaller structure by a bridge. In it are housed two large Otis express elevators, comparable with those in the largest skyscrapers.

On the opening of the tower, recently, a holiday was called by Bahians. A military band was in attendance and fireworks were displayed. The Governor of the State and the Mayor of the City officiated.

Practically the entire city tried to ride on the new elevators that night. Of the 10,000 fortunate enough to do so, many could hardly be induced to leave even after several trips. On the second day the elevators transported more than 24,000 people, each passenger paying 150 reis, or a little less than two cents, a trip.

To supplement the transportation supplied by the elevators, the Otis Company is now working on an incline railway. This is to have two cars, each with a capacity of 40 passengers, and will run at a speed of 650 feet per minute. It will be

located near the La Cerda Tower, and will have an incline of 32 degrees.

Answering the thousands of questions which have been asked it since its organization several years ago, Better Homes in America, Inc., has just issued a book for 782 pages of information on home building, financing and remodeling under the title, "The Better Homes Manual," published by the University of Chicago Press. Better Homes in America, Inc., is one of the associations on the planning committee for the President's National Conference on Home Building and Home Ownership and the book is the result of several years research in support of Secretary of the Interior Wilbur's contention that "good public policy involves provisions for informing the general public on the practical details of house architecture, construction, and equipment, and each of the processes involved in the purchase or financing of the house and management of the home." The "Better Home Manual" is edited by Blanche Halbert, research director of the organization. The book is not only an education to the individual home-builder but because of the specialized information offered by leading authorities in every line of architecture, construction, building materials, lighting, heating, ventilating, plumbing, refrigeration, and every other phase of home planning, it will be of practical value to all in the building trades.

The recent arrival and entry of another cargo of Russian lumber at New York City has resulted in another protest from the National Lumber Manufacturers Association to the Secretary of the Treasury, that Section 307 of the Tariff Act of 1917, not being adequately enforced. This section prohibits importations of merchandise produced wholly or in part by convict labor.

The recently arrived cargo was shipped from Archangel, which is within the Russian region in which the Treasury Department, in February 1931, found that convict labor was being used in the production of pulpwood and lumber. That cargo and also several previous ones were admitted on the ground that the preponderance of evidence indicated that the shipments were entirely the product of free labor. The Lumber Association asserts that this preponderance consisted of the filing of a series of affidavits which have been accepted without verification. "It is apparent from these facts, it says, 'that either the law as it now stands cannot be effectively enforced, or it is not being properly administered.'"

In other words, apparently all the Russians have to do to satisfy the Treasury Department regulations is to make affidavits that lumber in question is not produced by convicts.

California's public works expenditures are putting wages into the pockets of approximately 42,000 men, directly and indirectly, it is estimated by James I. Berz, deputy state director of public works.

In addition to needy men, given part time highway maintenance jobs, and material men, transportation company workers, and technical labor, thousands of men are engaged in projects of the State highway and architectural divisions, Herz pointed out.

He said the highway division alone now carries 14,000 employees with 12,000 others on the payrolls of highway contractors and 7000 or more on local payrolls, through highway funds reaching the county governments.

DANFORTH PLAN PROPOSES TO ELIMINATE PEDDLING OF BIDS

A plan to eliminate the "shopping" of bids, proposed by L. F. Danforth of the Master Painters' Association of Los Angeles, representative of the sub-contractors on the Southern executive committee of the California Building Congress, is being considered by the latter body.

The plan as reported in the Southwest Builder and Contractor of Los Angeles is published herewith:

The Danforth Plan

"The usual and generally accepted method of taking bids on a given project today is for the architect to receive proposals from what is known as the general contractor the number of such proposals varying from a few to a score or more. The general contractor in turn calls in specialty contractors for 'preliminary' estimates on their respective lines of work and usually bases his estimate on the prices obtained from the several specialty contractors, together with his own estimate on that portion of the undertaking on which it is unnecessary for him to receive sub-bids. There was a time when the successful general contractor considered every specialty contractor, whose estimate he had used, entitled to the work and awarded it to him without question. There are still some general contractors who follow this ethical code of practice. But if all were ethical, and there were no such thing as shopping of bids, the fact remains that the present method is cumbersome, costly and wasteful.

"In the first place, the specialty contractor frequently has his bid with only one of the general contractors estimating the undertaking, so his chances of getting the contract are exceedingly small. This tends to make him less careful in estimating his work. Secondly, and this is the most unfortunate part of the picture, many general contractors are not ethical. They solicit and accept estimates from specialty contractors with no intention of awarding them the work. Instead if they are successful they call in as many as possible for a new estimate. In some cases ignoring those who have aided them in securing the contract, or else chiseling them down to meet the lowest obtainable bid.

"It is to correct the foregoing that the following plan is submitted.

"First: At the outset of any undertaking, the architect to call in as many specialty contractors as he deems advisable to estimate their respective portions of the work.

"Second: That all specialty contractors furnish a bond, or deposit a certified check in a reasonable amount to insure the faithful performance of their work if awarded the contract.

"Third: The successful specialty contractor's estimate shall be furnished to all general contractors who intend to bid on the undertaking, and the successful general contractor must award the contract to the various successful specialty contractors at the price submitted to the architects.

"Fourth: That centrally located rooms for estimating be provided by the Builders' Exchange, or other responsible organization who shall have charge of and be responsible for all plans and specifications."

Suggested Changes to Danforth Plan

1. A—On public work the sub-contractor could not be specified so it would be necessary to have a special regulation governing that particular type of work.

B—Frequently the general contractor might want some sub-contractor to figure the work whom the architect had not originally invited to submit an estimate, and there should be a rule that any sub-contractor recommended by a general contractor, and who could meet the requirements established by the architect should be allowed to submit a figure.

C—Frequently a sub-contractor might not want to do the work for one of the general contractors figuring the job, and so there should be a regulation permitting the sub-contractor to specify on his bid that his figure could not be used by a certain general contractor.

2. A—A fifth point should be added to the effect that the general contractor should have to put up a labor and material bond in order to protect the sub-contractor who would be obliged to furnish a bond or certified check to guarantee his faithful performance of the work.

3. A—It should be definitely specified that the lowest sub-contractor in each group should receive the work and no preferences would be allowed. If a preference were allowed, it would permit unfair practices and furthermore no sub-contractor should be invited to bid on the job unless the owner and architect were willing to give it to him.

4. A—There should also be a provision to allow contractors, both sub and general, to take plans to their own offices in the case of large jobs where the figuring was quite detailed.

just one defective union. If this were located at a place where great strain and weight were exerted, the whole structure might come tumbling down, and with it the builder's reputation.

"The necessary instrument for calculating the strength of welds will no doubt be developed. The best method in use now is the judgment of a skilled expert. In an effort to eliminate the human element as much as possible some firms contracting for welding make constant laboratory tests of the finished joint. They declare that workmen do their best only when they know their product is constantly being exposed to inspection.

"Experiments are being conducted with the X-ray in the hope that this instrument may prove effective in determining the strength of welds. Thus far these attempts have not been very successful. Investigation is also being carried on in atomic physics which may result in a solution to the riddle.

"The welding process would simplify some of the details of building designs. By eliminating the rivets themselves, the weight of large buildings and bridges might be decreased as much as 15 per cent. Structural weight frequently entails grave foundation problems, and any reduction in this tonnage would lessen the difficulties of the builder.

"Welded structures would also have more stability and stiffness. With these joints the away of several inches which is not in the tower of the Empire State Building could be reduced approximately one-fourth. The weld eliminates the play at the joint which is present when steel is joined by rivets.

"Once an accurate inspection device is found, riveting will be eliminated from building construction just as quickly as the interested parties can make the replacement and the necessary changes in personnel.

"In accordance with the policy of Cooper Union, when the laboratories are not being used by students, tests of building materials are occasionally permitted whether construction companies are meeting the requirements imposed by law."

Specifications for Materials for Road Surfaces Available

The Asphalt Institute has recently issued seven simplified specifications covering bituminous materials used in the treatment, construction, and maintenance of various types of road surfaces. These specifications have been issued in tentative form. It is the hope of the Institute that this move will decrease the unnecessarily large number of asphalt tests that are now called for in specifications issued by various highway departments.

These new specifications are the result of cooperative efforts by the Asphalt Institute, U. S. Bureau of Public Roads, and various state highway departments. It has been realized that specifications used in the past have shown extreme variation in form and detail such as to require production of several different asphalts to be used for similar and, in some cases, identical purposes.

As part of these cooperative investigations, a simplified scheme of analysis consisting of a limited number of tests is being developed for the purpose of accumulating uniform test data by asphalt producers and road builders during the present season. The tests proposed cover flash point, consistency, distillation, tests on distillation residues, and naptha solubility of the asphaltic substances. The methods proposed for these tests follow previous standard tests with but slight modifications.

WELDING IS KEY TO BUILDING PROGRESS, SAYS NOTED ENGINEER

Riveting hammers would be silenced within five years and the strength of our skyscrapers increased if an inspection device could be perfected for testing welded joints, according to Ray C. Brumfield, professor of civil engineering at Cooper Union. The welding process is not only more durable, he says, but it would probably prove cheaper in building construction.

"The lack of certainty as to the quality of a weld after it has been made is the stumbling block in the way of the new method of joining sections of steel," Prof. Brumfield explains. "There is no question of its superiority over riveting.

"It is impossible to build a riveted joint stronger than the steel which is being united, or for that matter even as strong. In a weld, the point of union may be made stronger than the plate itself."

This is illustrated in tests frequently conducted for private concerns in the Cooper Union laboratories. The riveted metal invariably breaks at the joint, which is the weak point. The welded bars, however, usually crack and break at some section other than the union.

"Engineers cannot afford to take chances on the strength of a single joint," Prof. Brumfield points out. "A building with 10,000 welds might have

STRUCTURAL ASSURANCE COVERS TERMITE AND ROT SURVEYS-FIRST CERTIFICATE FORM IN CIRCULATION

By Clyde A. Mann, Director, Certified Building Registry, New York City

The first of a new form of certificate of structural rating issued in New York City by the Certified Building Registry for the special study of a conference group of life insurance company loan executives, includes termite surveys and surveys of rot damages which have proved so serious on the West Coast. The direction of the national service for protection of lenders and investors has been offered to a prominent West Coast engineer. This was on the recommendation, especially, of Percy H. Goodwin of San Diego, recent president of the National Association of Insurance Agents, which is now represented on the Governing Board of the Registry. Ravages by termites and by decay of timbers now have taken on almost national scope. The annual loss of termite damages is put at \$40,000,000 by the Bureau of Entomology at Washington. The collapse of a rostrum in a \$2,000,000 school building in New Jersey about a year ago was startling reminder that the northward march of termites had reached 40 of the 48 states.

There now are six groups represented among the outstanding men included in the roster of Governors-elect of Certified Building Registry, including:

For Contractors—E. A. Horst of Philadelphia, recent president of the Associated General Contractors of America.

For Architects—N. Max Dunning of Chicago, chairman of Structural Service Department of American Institute of Architects.

For Engineers—Rudolph P. Miller of New York City, consulting engineer, nationally prominent in problems of fire prevention. Mr. Miller was at one time Building Commissioner of New York City.

For Property Managers—Douglas L. Elliman of New York City, head of one of the leading property management concerns and prominent in the New York Real Estate Securities Exchange.

For Insurance Underwriters—Walter J. Chase of Philadelphia, representing the National Association of Insurance Agents.

For Realtor-Builders—Louis G. Palmer of Detroit, president of Michigan Real Estate Association.

During the convention of insurance commissioners in New York City the matter of structural assurance, the subject of an address by Commissioner Herbert L. Davis of District of Columbia at Portland, again was brought up for discussion. In the meantime the New York Insurance Department, which supervises a large per cent of the fire and life companies doing business nationally, requested and received from Certified Building Registry a brief pointing to the need for reformation of first mortgage loan practices to agree more closely with structural excellence and to furnish incentive to builders of preferential loans for buildings which, structurally meritorious, are found to deserve them.

The subject will be brought up again in a meeting of the mortgage loan executives following the Association of Life Insurance Presidents. As the foreclosures throughout the country have contrived a great deal of light on the subject of the seven billions of mortgages held by the fifty-two com-

panies which are members of the Association, the responsibility for present and future mortgage practices is very great.

The recent Conference on Home Ownership had a report from the Construction Committee in which special stress was put upon competent and thorough inspections of buildings during construction, either by architects or engineers or by such organization as was referred to as "Certified Building Registry" and it is daily more evident that home building prosperity will lag until such inspections are provided. The revival of building, with all its attendant benefits to general business will be greatly hastened when the public and investors in mortgage securities are given protection. This can best be done as it is done in shipping, by the impartial and adequate certificates of rating of an organization which is divorced entirely from the real estate and material interests. There is inertia in making the start but the problems of poor building cannot be glossed over and the fundamental change of methods at loan sources is imperatively needed.

It is to be expected that the professions most closely allied to building, those of architects and engineers, will give every encouragement to the development of the services on the Pacific Coast at the earliest possible date. We have been assured of the co-operation of the West Coast Building Officials Conference, and this is logical, for every building official realizes that at best city inspection only protects the minimum requirements of structural and fire safety and that the merits above minimum, economy of operations, good planning and other factors, should be expressed and recognized at loan sources as they never have been before.

The pattern of Certified Building Registry is that of Lloyd's Register of Shipping and American Bureau of Shipping from both of which we have had splendid co-operation. The quality of ships was transformed by the rating service begun primarily for protection of marine underwriters. Incidentally, we find that the profession of naval architect was re-created by the recognition thus obtained by ratings.

With workmen idle, equipment of contractors idle and loan funds idle in large sums, the restoration of confidence is the first necessity, and that cannot be accomplished by less adequate means than knowing buildings throughout as thoroughly as every ship of importance is known. The recent prosperity of the shipbuilding industry has been attributed by President McAllister of American Bureau of Shipping to the confidence felt in ships because of the ratings which express their structural excellence.

Dr. H. Foster Bain, secretary of the American Institute of Mining and Metallurgical Engineers since July, 1925, has resigned to become affiliated with the Copper and Brass Research Association, New York. Dr. Bain is succeeded by A. B. Parsons, assistant secretary for the past two years. Representatives of the Institute are active in several projects under the procedure of the American Standards Association.

HOLLAND COMPANY TO MARKET NEW FURNACE

Announcement is made by the Holland Furnace Company of Holland, Mich., of a domestic air-conditioning unit that puts air-conditioning within the reach of the masses. The new unit combined with the heating plant constitutes a complete air-conditioning system; is low in cost; inexpensive to operate, and enables the owner of the modest bungalow as well as the owner of the costly residence to enjoy the benefits of properly conditioned home air that is cool in summer and adequately humidified during the heating season.

The introduction of this unit opens up many avenues of activity for contractors and commercial builders. A special feature is the conditioning of the basement air, thus making the valuable space available for living quarters or other uses more practical than those for which the basement is generally used. This gives architects and contractors an opportunity to develop new ideas for practical utilization of the basement in drawing plans for new homes. It also increases the possibilities for modernizing jobs in the 25 million homes now built.

The new unit is equipped with a noiseless, high-speed, twin-fan air circulator that keeps the home air in constant circulation. It draws the air through a filtering device and then forces it through a series of fine, swirling water sprays. This filtering and washing process removes 99.2 per cent of the dust and dirt from the air. The washing sprays strike what is known as an eliminator from which the water drains into the sewer carrying with it dust and other impurities removed from the air. The washed air passes on through the eliminator for distribution throughout the house. The air-washing process is the principal means for summer cooling, in conjunction with which the cool air of the basement is utilized as an auxiliary cooling agent.

The factor of forced air circulation makes it possible to locate the air-conditioning-heating system in a far corner of the basement, or in an offset under a porch, thus making the entire basement space available for partitioning into rooms.

GHERARDI ELECTED PRESIDENT OF A. S. A.

Bancroft Gherardi, vice-president of the American Telephone and Telegraph Company, was re-elected as president of the American Standards Association for the year 1932 at the annual meeting of the Association held in New York on December 9.

Other officers, who were also re-elected, are: Cloyd M. Chapman, consulting engineer, United Engineers and Constructors, Inc., New York, vice president of the American Standards Association and chairman of the A. S. A. Standards Council; and J. C. Parker, Brooklyn Edison Co., Brooklyn, N. Y., vice chairman of the Standards Council.

Developments in national and international standardization work were reported at the meeting by both Mr. Gherardi and Mr. Chapman, who reviewed the progress of industrial standardization during 1931. Twenty-seven new national standards affecting almost every important industry in the United States have been completed by national committees of technical experts working under the Association's auspices since January 1st,

BUILDING REVIVAL IS AIM OF CONSTRUCTION INVESTMENT TRUST

(By Thomas J. Wren, Director Public Relations, Construction Inv. Trust)

The Construction Investment Trust, which has been before the Illinois Securities Commission for several days, has begun to function at its headquarters in Chicago. To date applications are in hand for loans totaling \$30,000,000 for new building projects, of which \$17,000,000 has been superficially examined and found to be about 90 per cent sound.

To set a gigantic operation, intended to revive construction, into motion requires time and a few weeks will elapse before the Construction Investment Trust swings into full action. There is now being offered 1,000,000 shares at \$50 each, or a total par value of \$50,000,000. Another million will be issued when needed and then another and so on. The initial \$50,000,000 has been pledged by labor and by labor employers and manufacturers.

The Chicago Building Trades Council, comprising 135,000 union men, has pledged the subscription of each member to 10 shares, which would total \$62,500,000. At the present time there are approximately 30,000 men working so this means \$15,000,000 at the start.

Construction will begin to emerge from its dormant state; building work will be placed in employment with greater rapidity as the Trust continues to function.

Arthur Wallace, Secretary-Treasurer of the Chicago Painters District Council, is an ardent supporter of the Construction Investment Trust. The Painters' Council is the central body of the various painters' locals in Chicago. This labor council has invested \$1000 from its treasury; this amount will be augmented by investments by each of the Unions affiliated with the district council and by the purchase of shares by individual members of each unit of painters.

The officials of Electrical Workers No. 134 have invested \$10,000 from the union treasury, and like the painters the individual members of 134, will become holders of Construction Shares. Likewise, the Bridge and Structural Iron Workers, the Steamfitters, the Lathers, Hodcarriers, Cement Finishers, and other building crafts.

In addition to the building trades, practically all the important building industry organizations of employers have approved the plan of the Construction Investment Trust to revive building and place its control in the hands of men who comprise the personnel of the building industry both from any employer and employee standpoint.

There are people who fail to grasp the plan of the Construction Investment Trust. They are inclined to believe that it is one in which only labor is interested. This is a fallacy and not compatible with fact. True, for the past two years building artisans of the nation have been pounding the sidewalks seeking employment. There is much distress among them; many of them have lost their homes; their savings became exhausted trying to replenish the family larder; their economic condition, one of comfortable circumstances three years ago, has become one of actual distress. American wage earners want employment, not doles, and naturally will be extremely interested in a plan that will make a repetition impossible.

The employers in the building industry have also been hard hit. And just so the men and women in the allied branches of the construction in-

dustry—men and women whose livelihood depends on building construction. These are the men and women engaged in the diversified industries, whose control wheels are regulated by the volume of construction.

Employers of this class and their employees are vitally interested in plans mapped out by the Construction Investment Trust to haul building from its present dormant status back to normal channels.

One weakness of the building industry is that it has never been able to proceed in an orderly manner to care for housing and building needs from year to year. It goes through periods of depressions such as the present, with practically no building going on, and when the need becomes so great that it must be cared for, it is plunged into an orgy of construction in an effort to meet the situation.

It is this sort of thing that creates the unsound building boom which is responsible for the fact that we overbuild in some types of structures and then practically stop all building construction, working great hardship upon labor, the employer and the public.

The United States is far from overbuilt. New building construction during the past three years has not kept pace with the growth of population. The normal annual expenditure for new building construction, as nearly as we can ascertain from available statistics, is in excess of four and a half billion dollars, which does not take into consideration the replacement of old obsolete buildings or their modernization or alteration.

Never in the history of the construction industry was there so great a need for an institution like the Construction Investment Trust. While its primary purpose is to encourage building operations, we must not overlook the opportunities for profit.

Low wages is not the answer. Low material prices is not the answer. High wages and profitable prices for materials—with a portion of those earnings invested in building financing—is the solution of the problem.

Under the plan of the Construction Investment Trust, there would be a constant flow of money through the Construction Trust Shares. There would be no necessity for the sale of bonds or mortgages. The plans of the Construction Investment Trust, when in full operation, will insure to every one in the building industry a continuous market for services and material. It will hold the business more nearly level.

N. C. Mather, Vice-President of the Construction Investment Trust, is vice-president of the Lord & Bushnell Lumber Co. and president of the U. S. General Underwriters. Joseph B. Cornell is Secretary-Treasurer of the Trust. Patrick F. Sullivan, President of the Chicago Building Trades Council is on the board of directors, which includes A. J. Druecker, President of the Material Dealers Association of Chicago; Wm. Schlake, President of the Illinois Brick Company; and Thomas J. McGuire, President of the Moulding-Brownell Corporation.

In conclusion, I wish to state effort will be devoted to discourage unneeded or speculative building. It is pledged to assist in wiping out slum areas in large cities. The Construction Shares will represent the soundest possible investment. These shares are supported by loans upon thousands of structures. The confidence of the public in real estate mortgage bonds

and other forms of real estate securities have been destroyed. A new security is absolutely necessary at this time and the shares of the Construction Investment Trust will supply this need.

Oscar W. Rosenthal is the President of the Construction Investment Trust. He is nationally known as an authority on building construction. He is President of The National Association of Building Trades Employers, The Illinois Builders League, and the Builders Association of Chicago.

Standard Sub-Contract

Is Set Up in New York

A standard subcontract form, designed to be eminently fair to both the general contractor and the subcontractor, has been worked out by a committee of the New York Building Congress, under the chairmanship of William A. Payne, vice-president of C. T. Willis, Inc. The subcontract will be submitted to the executive committee of the congress for adoption.

A consolidated draft of 30 subcontract forms now in use by general contractors in the metropolitan area has been made by the committee. Complete power of direction over his subcontractors is given to the general contractor and, at the same time, the subcontractors' interests are protected by such clauses as those relating to payments, which provide that only 10 per cent shall be withheld and that payments for materials manufactured for, or for which commitments have been made, shall be required in case of abandonment.

Red Cedar Shingles

To Be Sold by Square

Because competitive materials, such as composition roofing, etc., are priced by the square, the red cedar shingle manufacturers have arranged hereafter to pack and sell cedar shingles in units of a "square" exclusively, instead of per M (thousand) pieces, it is announced in a circular to the trade by Hammond Lumber Company of Los Angeles. The square contains enough shingles to cover 100 square feet at the prescribed weather exposure.

Furthermore, 5/2-in. (meaning the thickness of 6 shingles would total 2 inches at the thick ends) shingles are to be discontinued entirely. The National Board of Fire Underwriters agree not to prohibit the use of wood shingles within city limits, providing the thickness be a minimum of 5/2-in., and providing further that they can specify for such use a definite quality of shingles, to which will be attached a certificate from the manufacturer guaranteeing them to be 100 per cent edge grain and 100 per cent clear heartwood. As a part of the program the Bureau of Standards of the United States Department of Commerce established a commercial standard of quality and the label on the No. 1 grade shingles will certify that they will meet this standard.

of business.

A book of standards of the Hydraulic Society covering rotary and centrifugal pumps, reciprocating displacement parts, and deep well pumps, and including definitions, a standard classification for pumps, and tables and curves showing friction of oil in pipe lines, have just been issued by the Society. Copies of this book, which is the sixth edition, may be purchased from the Hydraulic Society, 90 West Street, New York, N. Y., for \$1.00 each.

PRESENT CONDITIONS NO WORSE THAN BEFORE, SAYS ARCHITECT

By William Orr Ludlow, Chairman, Committee on Industrial Relations, American Institute of Architects

In the last 100 years there have been thirteen major depressions and six or seven minor ones.

Beginning with the panic of 1837 and the utter financial and industrial prostrations of 1857 and 1873, depressions of more or less violent character have become a matter of periodic routine, but because we are down in the depths of one of these depressions now, we lose sight of the fact that there is nothing strange or unusual about it. But, we say, "this depression is different from all that went before and so much worse."

In 1928 we said "this boom is so different from all that went before; we are operating under new conditions and new laws; we have reached a higher plane; we shall probably have no more depressions." This strange illusion that the existing condition, either good or bad, is going to continue indefinitely is the source of many of our troubles.

Looking over the chart of the depressions and expansions that have occurred in this country, we are confronted with a picture of regularly succeeding waves of depression followed by waves of expansion. Our present wave is just another of those sub-normal periods; it is not a new and unprecedented condition; there are really no valid reasons for the lack of courage that as a people we are still displaying.

The panic spirit produced originally by sufficient causes is still haunting us in the shape of apprehension and timidity. The great boom of 1928 and 1929 was caused by what we know was a fatuous optimism inflated to the breaking point by mob psychology, and the present long continuance of depression hangs over us yet because that same mob psychology perpetuates fear. And the unfortunate part is that because of this spirit we are pulling down our own houses about our heads by withdrawing our deposits from our banks, by ceasing to buy normally, by unnecessary use of the safe deposit box and the stocking.

Let us see if our fear is justified by what has happened in the repeated financial ups and downs of this country. The worst panics and depressions that the country ever saw were probably those of 1837 and 1873. I quote from authorities:

"The panic of 1873 created a 'fearful crisis in the money market.' 'Financial convulsion engulfed the entire country.' the whole South was bankrupt. Much of the specie in New York was disappearing into the 'tills of chests in Dutchess and Ulster Counties, or tied up in stocking fens in Long Island and New Jersey towns.'"

And in 1873—"A million wheels were checked throughout the country. Rents fell 30 per cent. The Northern Pacific went bankrupt. Seventy-two railway corporations were in default." "There were 47,000 failures, business came to a standstill and laborers by the thousand were thrown out of work."

Many of us will long remember the panic of 1893 when "there were 156 railways in the hands of receivers, among them the Erie, the Northern Pacific and the Union Pacific." "Securities fell to one-half, and even to one-quarter of their former value. The problem of unemployment became general; special committees were or-

ganized in nearly all the large cities to provide food." When the United States Treasury was on the verge of collapse, President Cleveland called the late J. P. Morgan to Washington, a group of bankers was organized and disaster averted. And then there were the depressions of 1907 and 1921.

The last depression, nine years ago, is fresh in mind—we do not need to be reminded of the shutting down of mills, the sudden slump in the value of securities, the bread lines, and all the other too familiar details of hard times.

And how long did these depressions last? That of 1837—18 months; 1842—24 months; 1857—18 months; the before and after Civil War depressions—each 12 months; the poor business following the great panic of 1873 stretched over a period of five years; the 1893 depression continued for about 20 months; 1907—16 months, and the hard times of 1921—for 22 months. The average of these is about 23½ months, but averages must be taken only for what they are worth. Our present depression already has continued for 25 months.

Next we anxiously inquire what brought these depressions to an end? Sometimes sounder financial conditions brought about by better banking methods; sometimes revival of trade due to exhaustion of supplies, transportation and housing, and other favorable developments, but always one thing—a return to a sane viewpoint and consequent return of that courage that we like to believe is normal to our people.

And when we get our courage back, what then?—invariably the most healthy and prosperous conditions, plenty of employment, good profits, comfortable living—just what we are looking for now.

But can we come back until the foreign nations do? Probably not to the fullest extent, but we must remember that of all the business in this country, **ten per cent only is foreign and ninety per cent domestic.** Further, we are undoubtedly the most self-contained nation in the world. Nearly everything we use we raise or can raise ourselves.

And now, perhaps, after learning a good deal from our present ordeal, we are in excellent condition physically, mentally and normally for the reasonable use of what good times bring, which we cannot truthfully say of the extravagant and foolish boom times before October, 1929.

We have learned something about blind optimism, unrestrained speculation, reckless money spending, overproduction—at least for a while we are not going to indulge in any of these. The resources of the country, natural, monetary, production equipment are plentiful and ready to go to work. Our workers and organizations have attained a high degree of efficiency.

That our people generally are more serious about things that count, is shown by the fact that the increase in reading of substantial and educative books is unprecedented, also by the return to school in September of 13,000,000 children, including a heavy increase in the number of pupils in the secondary schools.

We are indeed a most fortunate people, we have at hand everything to do with, we have resources, ability,

education, opportunity; the idle wheels of industry are ready to start tomorrow. In fact more definite signs of increasing prosperity have come to us recently than for many months.

Let us then read the lessons of our past history; depressions there have always been and probably always will be; already we have over-past by some months the length of any former depression except one; every depression has been followed by great prosperity; the biggest factor in recovery has been the overcoming of unwarranted timidity. And let us bring back good times now by supporting our banks through continued confidence; by putting all legitimate surpluses to work, not hoarding them; and in so far as possible by buying normally.

N. Y. LEGISLATURE SETS WAGES, HOURS

Three provisions affecting contractors were passed by the recent extraordinary session of the New York Legislature, called by Governor Roosevelt to take action in connection with state-wide unemployment relief, as well as for other purposes. The measures enacted are emergency provisions and will be effective only until December 1, 1932, unless further legislation extends them.

On all contracts for state work let during the coming year, therefore, an eight hour day must be observed, and a five day week. Also, the "prevailing rate of wages" must be paid. Organized contractors expressed their opposition to the first two of these regulations. At a public hearing held before the joint committee of the senate and assembly, the contractors pointed out that construction work is already so restricted by weather conditions that there are virtually only about 150 days out of the 365 which can be used. It was pointed out also that this restrictive legislation would add to the costs of public construction work to the taxpayers at a time when various public agencies throughout the state were bent upon prevention of increased taxation.

The provision that the prevailing rate of wages be paid was commended by the contractors as a protection to the responsible contractor who has not wished to cut wages but has been forced to do so, because of the competition of unscrupulous competitors. It has been urged to all awarding officials, however, that they determine the prevailing wage and include the rates in proposals and in advertisements for bids.

Uniform enforcement of the new laws is being urged by the contractors' organizations so that all contractors will be obliged to work under the same conditions.

MINIMUM WAGE SET ON TEXAS HIGHWAYS

A minimum wage ruling has been established by the Texas Highway Commission to govern the contractors on all its road building projects. The commission will require that the contractors must pay the same wage as is paid by the department of maintenance work of a character similar to the work in question. Each proposal for bids, the commission states, will contain an agreement to be signed by the contractor, fixing the minimum wage scale for common labor on that particular project, and will require a statement as to charges to be made for board to each laborer, in case a boarding house is operated, and all other deductions from such wages.

ENGINEERING TALENTS WILL BRING ABOUT FEWER SMOKESTACKS

Fewer smokestacks, more schools and the guidance of engineering will brighten the human highways of the future, A. P. Greensfelder, President of the Associated General Contractors of America, declares in an engineering Foundation symposium on "Benefits from Engineering Progress."

"Modern buildings," Mr. Greensfelder says, "now go to two extremes, walls of glass and windowless walls. Conservation of daylight, and complete control of illumination by exact diffusion of electric light, both have their places. The 'great white ways' of our cities are just signs of our times. Steam-turbine power plants, hydro-electric dams, super power transmission lines, all bespeak wonderful engineering achievements."

"Turning night into day at first seemed sacrilegious. Other steps in scientific and engineering progress have shocked or scandalized many persons in the years that have gone; but they have come to be accepted matters of course. With the discovery of fire came the consciousness that human eyes could see in the firelight as well as in the moonlight."

"The history of illumination is real romance. The firebrand, the torch, animal oil, the candle, mineral oil lamps, gas and the successive electrical appliances mark the accelerating steps in better lighting. New television causes no more violent agitation than a few ripples of public interest."

"How has man utilized the lengthened day? First, to dispel the fears lurking in the darkness, then to light his path of travel, and next to permit recording and reading current historical events and accentuating religious ceremonies. Later light was used to foster amusements after a day of working or fighting, and finally to extent the opportunities for education, commerce and social intercourse."

"The discovery of window glass changed the design of structures for man's habitation. Sunlight penetrates interiors dispelling dampness and disease. The modern lighthouse and the

city's show windows are wonderful combinations of glass and artificial light. One promotes safety at the sea coast; the other adds to the attractiveness of marts of trade."

"Speed of night transportation depends upon the engineering application of light. Locomotive vessel and automobile headlights signal systems, and the illumination of highways and airports are vital necessities."

Darkness is of two kinds, physical and mental, and dispelling the latter is of the highest importance. Mr. Greensfelder points out, "Shall we foster minds or matter?" he asks. "Shall we add to the mounting volume of books or of buildings? How should they be correlated?"

"We talk today of over-production. We lament over-expansion of facilities for the production of goods. Then why not more homes and schools and hospitals, and better highways to make them accessible, bridges to span the gaps of time as well as space, the sowing of ideas as well as seeds?"

"Production is threefold: Articles to be consumed, wealth in private structures, and community facilities. Engineering minds are constantly eliminating wastes of production. By steadily improving railroads, highways, and other means for carrying goods, they have brought costs of transportation to amazingly low figures compared with those of pre-railroad days. Engineers should now, with even greater concentration, devote energy to reducing wastes of distribution."

"Engineering methods, properly utilized by business men, should be helpful in reducing the costs of merchandizing just as they have been helpful in cutting costs of producing goods, power and light. Engineers will be found ready to co-operate in solving the problems of merchandizing."

"Engineering analysis is forecasting the future—lighting the paths which our children will follow. Engineering talents must and will aid in directing the tendencies of the time."

to provide under present conditions satisfactory new homes for the lowest wage-earning group. . . . it might be added, for the average wage-earning group."

This situation obviously constitutes a very direct challenge. But it has little direct meaning unless we go back of the facts just stated and discover the reasons or causes. Fortunately the conference brought these out fairly well, though in a chaotic tangle—buried in several dozen verbose and rambling committee reports which no central authority had taken the trouble to harmonize and correlate."

From these reports it becomes clear that design, construction, promotion, financing and merchandising of houses all are at fault, probably in roughly equal shares. Looking at the kinds of men affected, we see that the architect shares in responsibility with the builder, the development planner with the realty man, and the money-lender with the building craftsman. All of these contribute to making houses imperfect and unsatisfactory in their convenience and amenities, short-lived, high in maintenance cost, and, above all, far too high in price."

Very definite blame rests on the technical group and on the building arts: in designer and builder, and on the industries which produce building material and home equipment. Blame must also be rather apportioned on community control (or rather absence of control), which permits or encourages the planning and construction of unsocial house developments, fails to limit congestion, and does little or nothing to assure good construction. Urban transportation must also be charged with responsibility, for in the larger centers it has made an utter failure of its attempt to provide tolerable mass transportation to home areas."

But so far as cost is concerned, the crucial difficulty of the housebuilding situation, finance is most of all to blame. The traditional doctrine of six per cent primary mortgage loans, and of still more costly secondary loans, coupled with the utterly unorganized condition of house financing and selling, make the real estate field often seem more nearly a racket than a business. That nothing has been done to provide liquidity of either real estate securities or real estate itself is even more injurious, though perhaps only a sequel of the causes indicated."

In this welter of bad conditions it is easy to single out secondary details for main attack, but it is hardly appropriate. Taxation was severely blamed at the Washington conference; the 2½ per cent or so of real property tax was described as one of the leading economists—as a crushing burden. Yet when compared with the burden of excessive mortgage interest it is plainly a small item."

Reform of housebuilding will evidently not be an easy or a short undertaking. It is a pioneer task calling for energy, knowledge and skill on the part of the many interests concerned in the field. The projected continuance of the work of the home building conference promises to give these interests effective opportunity for co-operation. With wise direction this future work can be made to yield large dividends. In the meantime, however, it is plain that the technical agencies concerned in housebuilding have an independent responsibility. They need not wait for the co-operation of other interests to analyze their own shortcomings and work out remedies. Planning, design and construction can reform their own practices without waiting on the sociologist and the moneylender."

REFORM OF HOUSE BUILDING WILL PROVE DIFFICULT TASK

Editorial In Engineering News-Record

One-fourth of the country's annual construction bill goes to the account of housebuilding. An industry that in several billion dollars each year has a quite obvious importance to engineering and to the entire field of construction. Therefore it is of vital concern to know whether housebuilding is sound or otherwise. Especially in times like the present, when the industry seems to suffer from pernicious anemia, we have good reason to ask about its condition."

Some important facts bearing on this question were brought out last week at the President's Conference on Home Building. They are facts that very likely everyone should have known, but probably few do know; at all events they are quite certain to receive careful study in future. The conference, which proved to be a remarkably comprehensive reconnaissance of housing conditions and problems, showed clearly that a vast amount of pioneer work needs to be done before house-building can be placed on a sound basis. The situa-

tion in fact is such as to confront the industry with problems of utmost seriousness."

Two findings of the conference bring out the vital point of the situation in most convincing form: First, it was determined that the present building art is unable to provide acceptable houses for the family whose income is limited to \$1500 or less; and second, "the average wage or salary income of employed city workers, more than thirty million people, is below \$1500 even in good times (1927) and unquestionably is much lower in bad times or in the long run. These facts seem to mean that the building art has made a pretty thorough failure of its kind. Precisely that kind of housing which is most needed—housing for the wage-earner—cannot be supplied at a price which the consumer can afford. In very cautious words one committee of the conference put the matter thus: "While home ownership is desirable and should be encouraged, it may not be practicable

Building News Section

APARTMENTS

Owner Taking Bids.
APARTMENTS Cost, \$3000
SAN FRANCISCO. San Bruno Ave.
 near Woolsey St.

Two-story frame and stucco apartments (two 5-room apts.); tile and composition roof, gas heat, electric refrigeration, colored tile baths and kitchens, hardwood floors, etc.

Owner—Dr. J. J. Kingwell, 135 Stockton Street.
Architect—H. C. Baumann, 251 Kearny Street.

BONDS

NAPA. Napa Co., Cal.—Mount George Union School District defeats proposal to issue bonds of \$20,000 to finance erection of a new school. The proposal failed to carry by 16 votes.

HAYWARD. Alameda Co., Calif.—Russell School District defeats proposal to issue bonds of \$11,000 to finance construction of school improvements. N. P. Nielsen, clerk of the Board of Trustees.

SAN MATEO. San Mateo Co., Cal.—Trustees of San Mateo High School District set January 26 as the date to vote bonds of \$240,000 to finance the erection of additions and alterations to the Burlingame and San Mateo high schools.

CHURCHES

Plans Being Prepared.
CHURCH Cost, \$12,000
TAFT, Kern Co., Cal.

One-story and basement frame and stucco church (auditorium and Sunday school in basement); composition shingle roof, gas heat, pine floors.

Owner—First Church of Christ Scientist.
Architect—Chas. E. Butner, Glikbarg Bldg., Salinats.
 Bids will be asked shortly after January 1, 1932.

Plans Completed.
CHURCH Cost, \$2000
LAS VEGAS, Nevada. 9th and Clark Sts.

Frame and stucco church (to seat 350), kitchen and recreation hall.
Owner—Church of the Latter Day Saints.
 City, Utah.
 Bids will be asked December 27th.

LOS ANGELES, Calif.—Roger Williams Baptist Church, Rev. Hubert C. Mathews, pastor, 1276 W 29th Street, has acquired property on the SE corner of West Adams and Menlo Ave. as a site for a new edifice. Construction on the first unit will probably be under way within one year.

FACTORIES AND WAREHOUSES

Contract Awarded.
SHOP ADDITION Cost, \$1250
SAN FRANCISCO. SE Union Street and Grant Avenue.
 Addition to shop.

Owner—A. Ferrari, 327 Utah Street.
Plans by Mr. McFarland.
Contractor—J. McFarland, 291 27th Avenue.

Completing Plans.
WAREHOUSE Cost, \$100,000
PASADENA, Los Angeles Co., Cal.
 1103 Glenn Ave.

Reinforced concrete municipal warehouse (machine shop, oil storage bldg. repair shop and warehouse).

Owner—City of Pasadena.
Architect—Marston & Maybury, 25 S. Euclid Ave., Pasadena.
 Plans will be completed in two weeks.

Plans Being Figured.
PACKING PLANT Cost, \$10,000
WATSONVILLE, Santa Cruz Co., Cal.
 Beach Road.

One-stock corrugated iron apple and lettuce packing plant (168x102).

Owner—Resetar Bros., Watsonville, Cal.
Architect—Not Given.

To Be Done By Day's Work.
ADDITION TO SHOP Cost, \$2,100
SAN FRANCISCO, Cal. 2940 Folsom St.

One-story frame and stucco addition to shop.

Owner—So. Casenelli, 2940 Folsom St.
Architect—R. R. Irvine, Call Bldg.

Bids Opened Held Under Advisement.
WAREHOUSE, Etc. Cost, \$20,000
HAYWARD, Alameda Co., Cal.

Group of buildings (warehouse, garage, residences, etc.); corrugated iron and wood frame construction)
Owner—Pacific Gas and Electric Co., 245 Market St., San Francisco.

Plans by Eng. Dept. of Owner.
 Announcement will be made within a few days.

Planned.
WAREHOUSE Cost, \$100,000
SAN DIEGO, Cal. El Cajon Avenue near 37th St.

Six-story Class A reinforced concrete storage warehouse.

Owner—Bekins Van & Storage Co., 1335 S Figueroa St., Los Angeles.
Architect—F. Eugene Barton, Crocker Bldg., San Francisco.

SKILSAW Portable Electric Hand Saws (4 models).

SKILSAW Portable Electric Sander
SKILSAW Radial Arm Attachments.

SYNTRON Portable Electric Hammers (4 models, motorless).

MALL Flexible Shaft Machines (50 models).

Electric Drills, Grinders, Buffers, Routers, Lock Mortisers.

PETER H. NELSON
 Labor Saving Portable Electric Tools.

1248 Mission St. Underhill
 San Francisco 7662
 SALES . SERVICE . RENTALS

Contract Awarded.
REMODEL BLDG. Cost, \$—
VACAVILLE, Solano Co., Calif.
 Remodel one-story frame and stucco cannery, packing plant and office building.

Owner—Frank Buck, Vacaville.
Plans by Eng. Dept. of Southern Pacific R. R. Co., 65 Market St., San Francisco.
Contractor—E. E. Dias, Niles.

Bids Wanted—To Close January 19th, 2 P. M.

DAIRY Cost, \$60,000
IONE, Amador Co., Cal.
 Complete dairy unit at Preston School of Industry, involving (A) Creamery Unit; (B) Milking Barn.

Owner—State of California.
Architect—Russell G. DeLappe, 1710 Franklin St., Oakland.

The Creamery Unit will be one-story with reinforced concrete foundations and floor, brick walls, wood roof construction and asbestos shingle roof.

The Milking Barn will be one-story with reinforced concrete foundations and floor, brick walls, wood roof construction and corrugated iron roof.

On previous call for bids the following low bids were submitted:

General Work
 Guth & Fox, 1528 27th Street, Sacramento\$22,376

Electric Work
 Reliable Elevator Works, 1217 7th St., Sacramento.....\$1,745

Refrigeration
 York Ice Machine Co., 234 9th St., San Francisco\$2,740

Insulation
 Allyn L. Burr Co., 11th and R Sts., Sacramento\$1,990

Plumbing
 J. A. Fazio, 402 Castro Street, Oakland\$2,398

Heating
 Fred W. Snook, 596 Clay Street, San Francisco\$6,277

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—Until January 5, 2 P. M., bids will be received by District Engineer, State Highway Commission, 50 Figueroa Street, San Luis Obispo, for erection of maintenance station building in San Luis Obispo County, about two miles north of Cambria, consisting of: standard truck shelter, cottage, gasoline and oil house, combination woodshed and garage, septic tank and leaching field, blacksmith shop, station sign and fence. Plans and specifications from the above address on deposit of \$25, payable to the Director of Public Works.

FLATS

Contract Awarded.
REPAIR FLATS Cost, \$2000
SAN FRANCISCO. No. 1227-29 7th Avenue.

Repair fire damage to frame and stucco flats.

Owner—G. A. McDermot, 60 Brady St., San Francisco.
Architect—Not Given.
Contractor—A. Thulin, 60 Brady St., San Francisco.

Contract Awarded.
FLATS Cost, \$12,000
SAN FRANCISCO. East Leavenworth Street South Filbert Street.

Two-story and basement frame and stucco flats (two 5-room flats; tile and composition roof, hardwood floors, mahogany trim, colored tile baths and kitchens, electric refrigeration, etc.)

Owner—J. Vannucci, 426 Broadway.
 Architect—C. Fantoni, 550 Montgomery Street.
 Contractor—Louie Franceschi, 1408 Jefferson Street.

GARAGES AND SERVICE STATIONS

Roofing Contract Awarded.

GARAGE Cost, \$—
 MORAGA, Contra Costa Co., Cal. St. Mary's College.
 One-story, hollow tile garage (15-car capacity; concrete floors, wood roof, tile vault).

Owner—St. Mary's College, premises.
 Plans by Eng. Dept. of Owner.
 Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

Roofing—Jones Bros. Asbestos Supply Co., 370 2nd St., San Francisco.
 As previously reported, vault door awarded to Herring Hall Marvin Safe Co., 214 California St., San Francisco; overhead doors to Overhead Door Co., 557 Market St., San Francisco; lumber to Rolando Lumber Co., 301 Berry St., San Francisco.

Contract Awarded.
 SERVICE STATION Cost, \$3,500
 MILL VALLEY, Marin Co., Cal.
 Super service station.
 Owner—L. Ferreira & F. Schnone, Mill Valley.
 Architect—Not Given.
 Contractor—C. G. Hildebrand, 2164 Hearst St., Berkeley.

GOVERNMENT WORK AND SUPPLIES

REDLANDS, San Bernardino Co., Calif.—According to reports, Architect G. Stanley Wilson, 3646 W Ninth St., Riverside, has been commissioned by the Treasury Department to prepare plans for the new U. S. post office building to be erected in Redlands. The sum of \$170,000 is available for the construction of the building.

SUNNYVALE, Santa Clara Co., Cal.—The San Francisco Construction Company, 3159 Fillmore St., San Francisco, awarded the following sub-contracts in connection with the construction of the airship mooring circle at the Sunnyvale Air Base in Santa Clara County. Projects involves construction of a concrete foundation for the mast and construction of a circular railroad track.

Grading—J. J. Rose, Los Altos.
 Concrete—C. Perlich, Mt. View.
 Track Work—Shanahan Bros., 406 S. Main St., Los Angeles.
 Reinforcing Steel—Gunn, Carle & Co., 414 Market St., San Francisco.
 Miscellaneous Iron—Artistic Metal Works, 1841 Howard St., S. F.

WALLA WALLA, Wash.—Additional contractors who have procured plans for the purpose of submitting bids to the Veterans' Administration on December 26 for the construction of subsistence building, etc., at the Veterans' Hospital, Walla Walla, are as follows:

Phelps Drake Co., Metropolitan Life Bldg., Minneapolis.
 John Lagura & Co., 3672 Adams St., Gary, Ind.
 H. L. Cunliffe, 610 McDowell Bldg., Seattle.
 Noyes Roach Co., 915 Olive St., St. Louis, Mo.
 J. J. Lohrens, 811 Paulsen Bldg., Spokane, Wash.

Huettner Const. Co., 1101 N Division St., Spokane.
 Thirault Const. Co., 534 E Johnson St., Philadelphia.
 W. E. Stone & Co., 1200 Fourth Ave. South, Seattle.
 Haddow Eng. Co., 747 Tacoma Ave., Tacoma.
 Sugarman Const. Co., 8th and Tuttle Sts., Des Moines, Iowa.
 Colonial Bldg. Co., Spokane.

SAN RAFAEL, Marin Co., Cal.—W. L. Proctor, Santa Rosa, at \$3,294 awarded contract by Constructing Quartermaster, Air Bombing Base, Marin Meadows, for driving sixteen test piles and making load bearing tests thereon at Marin Meadows, Marin County, in connection with the proposed Bombing Base.

Prospective Bidders.
 MISC. BLDGS. Cost, \$—
 SAN FRANCISCO. Presidio Reservation.
 Construct four double officers' quarters, residence of Office in Charge, attendants' quarters and storage buildings, recreation building, laboratory and storage building for the U. S. Marine Hospital.

Following is a partial list of the contractors who will submit bids:
 Mahoney Brothers, Flood Bldg., San Francisco Const. Co., 3159 Fillmore Street.
 Clinton Construction Company.
 I. M. Sommer & Co., 901 Bryant St.
 Young & Horstmeyer, 641 Market St.
 Anderson & Ringrose, 320 Market Street.

Frank J. Reilly, 6550 Fulton St.
 P. F. Reilly & John Grace, 703 Market Street.
 N. H. Sjoberg & Son, 632 Cal Bldg.
 W. G. Thornally, 354 Hobart St. at Webster St., Oakland.
 A. F. Mowat, 518 McDowell Bldg., Seattle.
 Robert E. McKee, 1900 Texas Street, El Paso.
 Bids will be opened Jan. 8 at 3 P. M. in Washington, D. C.

STOCKTON, Cal.—Murch Bros. Construction Co., St. Louis, Mo., at \$406,000 awarded contract by the Supervising Architect, Treasury Department Washington, D. C., to erect Class A postoffice at Stockton. Plans were prepared by Architects Bliss & Fairweather, Balboa Bldg., San Francisco.

SAN FRANCISCO.—Until Dec. 29, 11 A. M., bids will be received by the Constructing Quartermaster, Ft. Mason, for interior painting of 15 double sets of Non-Commissioned Officers' Quarters at the Presidio. Specifications obtainable from the Constructing Quartermaster at Fort Mason.

SAN FRANCISCO.—Until January 14, 10 A. M., under Circular No. 928-32-136, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver:

18 meters; Watthour, single phase, glass cover, 2 wire, 60 cycle, 110 volt, alternating current. To be equal and similar to General Electric Co's number quoted. To be packed in 900 bushings, for 1/2-in. lamp socket, hard rubber or composition.

6000 ft. conduit or circular loom, flexible, non-metallic, 1/2-in., inside dia., similar and equal to "Wireduct".
 2000 ft. rigid conduit, hot dipped galvanized, threaded, size 3/4", in 10-ft. lengths. Couplings on both ends or couplings on one end, thread protector on other end.

5000 ft. lamp cord, twisted, flexible cotton covered, #16 & S gauge, N. E. C. standard, type "C".

6000 ft. lamp cord, portable, reinforced, N. E. C. standard, type "P,"

#11 B & S gauge. In 500 or 1000 ft. coils.
 3850 conduit fittings, 800 of 1/2-in., 200 of 3/4-in., 800 of 1-in., and 800 of 1 1/2-in.

4500 cartridge fuses, enclosed ferrous type, NEC standard.
 1400 plug fuses, non-renewable, 125-volt, N. E. C. standard.

5000 fuse links, 250-volt, NEC standard.

4 electric water heaters circulation or immersion, non-automatic, 3 heats, 110 volts, 2500 watts, length of tubes 12". To be equal and similar to #P-C 3, page 1092, Westinghouse Elec. Mfg. Co. 1928 yearbook.

60,810 ft. copper wire, rubber covered, weatherproof, single conductor of which 4810 ft. No. 10 gauge, No. 102 mils dia.; 18,000 ft. No. 12 gauge, No. 81 mils dia.; 23,000 ft. No. 12 gauge, No. 81 mils dia., all double braid and 15,000 ft. No. 12 gauge, No. 81 mils dia., single braid.

25,200 ft. copper wire, weatherproof, single conductor, for outside construction work of which 7500 ft. is to be No. 6 gauge, No. 162 mils. dia. double braid; 14,700 ft. triple braid, No. 12 gauge, No. 81 mils dia. and 3000 ft. triple braid, No. 6 gauge, No. 162 mils dia.

Prospective Bidders.
 TEMPORARY BLDGS. Cost, \$—
 WEST LOS ANGELES, Calif.
 Erect 20 temporary housing buildings and utilities together with grading and drainage in connection therewith at Veterans' Administration Home.

Owner—United States Government.
 Plans by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto.

This work will include excavating, concrete construction, roofing, roof ventilators, carpentry, insect screens, painting, glazing, hardware, plumbing, heating and electrical work, and connection to outside sewer, water, steam and electric distribution systems. Plans obtainable from the Supervising Superintendent of Construction at Palo Alto.

Following contractors have secured plans:

Pacific System Homes, Inc., 5800 S Boyle Ave., Los Angeles.
 H. H. Walker, Inc., 1323 Venice Blvd., Los Angeles.
 Mitty Bros. Const. Co., 722 Detwiler Bldg., Los Angeles.
 Hickman Bros., Inc., 471 8th St., San Pedro.
 Johns-Manville Sales Corp., 441 Petroleum Securities Bldg., Los Angeles.
 Los Angeles Contracting Co., 4816 W Pico Blvd., Los Angeles.
 Eric Plodine, 2021 Wellington Road, Los Angeles.

Southwest Builder and Contractor, 158 South Hill St., Los Angeles.
 C. E. Finnell, 353 Lytton Ave., Palo Alto.

Bannister Field Co., 4101 Goodwin Ave., Los Angeles.
 R. E. Campbell, 108 W Sixth Street, Los Angeles.
 Byerts & Dunn, 7098 Santa Monica Blvd., Los Angeles.
 Orndorff Const. Co., 437 S Hill St., Los Angeles.

Robert E. McKee, 1128 Central Bldg., Los Angeles.
 Floyd Shofner, 5670 Wilshire Blvd., Los Angeles.

C. L. Edginger, 1800 Pontious Ave., Sawtelle.
 Fred F. Greenfield Co., 7310 South Figueroa St., Los Angeles.

Harry Friedman, 2301 1/2 W Vernon Ave., Los Angeles.
 R. J. Chute & Co., 2506 W Santa Barbara Ave., Los Angeles.
 Bennett & Taylor, 5842 Willoughby Ave., Los Angeles.
 Crane Co., 321 E 3rd St., Los An-

BIDS.

R. A. Miller, 1111 E 53rd St., Maywood.
 Broadway & Sons, 847 Kensington Road, Los Angeles.
 Arthur Cox, 356 North Craig Ave., Pasadena.
 Jeff Clark, 1105 N 162nd Street, Los Angeles.

B. F. Hall, 248 North Tujunga Ave., Burbank.

P. A. Belanger, 7499 Santa Monica Blvd., Los Angeles.

Louis A. Geisler, 6212 Middleton St., Huntington Park.

Consolidated Electric Const. Co., 110 South Robertson Blvd., Beverly Hills. Bids will be opened December 23rd, 2:30 P. M.

Commissioned To Prepare Plans.

POST OFFICE Cost, \$300,000
 SAN JOSE, Santa Clara Co., Cal. First and St. John Streets.

Class A Post Office.
 Owner—United States Government.
 Architect—Ralph Wyckoff, San Jose
 National Bank Bldg., San Jose.

Bids Opened.

ANIMAL HOUSE Cost, \$—
 TUCSON, Arizona.
 Construct Animal House at Veterans' Hospital.

Owner—United States Government.
 Plans by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto.

This work will include excavating, backfilling, plain and reinforced concrete work, hollow building tile, lathing and plastering, roofing and sheet metal work, carpentry, glazing, hardware, insect screens, painting, electric and plumbing work and woven wire fence and gates.

Low Bidder—Pima Pipe Co., Tucson.

Following is a complete list of bids:
 Pima Pipe Co., Tucson.....\$2,796
 H. S. Brown, Tucson.....2,915
 Robert E. McKee, Los Angeles.....3,300
 Jay Garfield Bldg., Co., Tucson.....3,470
 R. H. Martin, Tucson.....3,490
 Lewis Bros., Winslow.....4,215
 Elmer Dow, Tucson.....4,498
 Serba Brewer, Tucson.....4,578

Bids referred to Washington for award.

SACRAMENTO, Cal.—Until Dec. 28, 3 P. M., under Order No. 4023, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish f.o.b. trucks or railroad cars at Marysville, Yuba County:

- (1) 80 lin. ft. 12-gauge corrugated galvanized iron culvert pipe, 36-inch dia., to be made up in 4 sections, each 20 ft. long.
- (2) 4 12-gauge, corrugated galvanized iron coupling bands to fit 36-inch dia. pipe of Item 1. Each band to be 1 1/2-in. wide and complete with bolts, etc.
- (3) 2 cast iron, automatic drainage gates with balanced shutter for 36-in. dia. pipe of Item 1, complete and assembled to one end of 2 sections of the pipe of Item 1. These gates shall be similar and equal to "Calco" automatic drainage gate, model 100. Price bid to include cost of assembly to pipe.

WALLA WALLA, Wash.—In addition to those previously reported, following are prospective bidders to erect subsistence building, etc., at Walla Walla, bids for which will be opened by the U. S. Veterans' Bureau on December 29:

Van Fleet, Freer Co., 557 Howard St., San Francisco.
 Armstrong Ice Machine Co., Spokane, Wash.

J. T. Hallin, 308 Sun Life Bldg., Spokane, Wash.

Elliot Const. Co., Missoula, Mont.
 Hecito Co., 2021 S Alameda Street, Los Angeles.

Oils Elevator Co., 1 Beach Street, San Francisco.

S. G. Morin, 926 Paulsen Bldg., Spokane, Wash.

Sunnyvale Plumbing & Heating Co., Sunnyvale, Calif.

J. R. Adkison, Clarkston, Wash.

Campbell Engineering Co., P. O. Box 467, Tacoma, Wash.

Harry Boyer, Son & Co., Box 94, Olympia, Wash.

Andrew F. Mowat, 518 McDowell Bldg., Seattle, Wash.

Soule Steel Co., 1750 Army St., San Francisco.

Electric Supply & Fixture Co., 106 E Main St., Walla Walla, Wash.

The G. H. Sutherland Co., 108 E Main St., Walla Walla, Wash.

Arrow Electric Co., 1932 Ninth Ave., Seattle, Wash.

Western Const. Co., 1404 Textile Tower, Seattle, Wash.

N. J. McLeod, P. O. Box 94, Walla Walla, Wash.

Morley Const. Co., 1643 Bellevue Ave., Kansas City, Mo.

Peder P. Gjarde, 430 Lyon Bldg., Seattle, Wash.

Kohlenberger Engineering Co., Fullerton, Calif.

Walla Walla Lumber Co., Walla Walla, Wash.

Tinling & Powell, 27-29 Main St., Spokane, Wash.

E. K. Ferguson, Spanish Fork, Utah.
 York Ice Machinery Corp., 234 9th St., San Francisco.

Builders' Exchange, 768 Commerce St., Tacoma, Wash.

Illad Const. Industries, 626 Broadway, Cincinnati, Ohio.

York Ice Machinery Corp., 1238 N 44th St., Philadelphia, Pa.

Northwest Ice Machine Co., 1310 Seattle Blvd., Seattle, Wash.

Baker Ice Machine Co., 691 Post St., San Francisco.

Consolidated Electric Const. Co. Ltd. 110 S Robertson Blvd., Beverly Hills, Calif.

San Francisco Brick and Furnace Const. Co., 2327 25th Ave., San Francisco.

Ernest Gross, 721 Valencia Street, Walla Walla, Wash.

Selene & Standen, 110 W Champion St., Bellingham, Wash.

Ring Const. Co., 814 Wesley Temple Bldg., Minneapolis, Minn.

Cyclops Iron Works, 837-847 Folsom St., San Francisco.

Western Quarry Co., Tenino, Wash.

Sunnyvale Electric & Machine Wks., 143 Taaffe St., Sunnyvale, Calif.

A. Kleckhefer Elevator Co., Milwaukee, Wis.

Charles Burton, Railway Exchange Bldg., Portland, Ore.

J. V. Hallin, 308 Sun Life Bldg., Spokane, Wash.

Edwards Ice Machine Co., 3622 East Marginal Way, Seattle, Wash.

Wittenheimer Machinery Co., 850 N Spaulding Ave., Chicago, Ill.

Pelphs Drake Co., Metropolitan Life Bldg., Minneapolis, Minn.

John Lagura & Co., 3672 Adams St., Gary, Indiana.

H. L. Cunliffe, 610 McDowell Bldg., Seattle, Wash.

Noyes Reach Co., 915 Olive St., St. Louis, Mo.

J. J. Lohrens, 811 Paulsen Building, Spokane, Wash.

Colonial Bldg. Co., Spokane, Wash.

The Vilter Mfg. Co., Milwaukee, Wis.

Truscon Steel Co., 714 New Montgomery St., San Francisco.

Gay Eng. Corp., 2650 Santa Fe Ave., Los Angeles.

Huetter Const. Co., 1101 N Division St., Spokane, Wash.

Thiralt Contracting Co., 534 East

Johnson St., Philadelphia, Pa.

Warner Elevator Mfg. Co., Cincinnati, Ohio.

W. E. Stone & Co., 1200 4th Ave. S., Seattle, Wash.

Hadow Engineering Co., 747 Tacoma Ave., Tacoma, Wash.

Gladding, McBean & Co., 660 Market St., San Francisco.

Westinghouse Elec. & Mfg. Co., 1004 Washington Bldg., Tacoma, Wash.

Economy Ice Machine Co., 1018 Tacoma Ave., Tacoma, Wash.

Sugarman Contracting Co., 8th and Tuttle Sts., Des Moines, Iowa.

Sub-Contracts Awarded.

HOSPITAL Cont. price, \$47,764
 SAN FRANCISCO. Onondaga Avenue and Alemany Blvd.

Two-story Class A reinforced concrete Emergency Hospital.

Owner—City and County of San Francisco. J. J. Heister, secretary of the Board of Public Works.

Plans by Bureau of Architecture, Department of Public Works, Chas. H. Sawyer, Chief of Bureau, 2nd floor, City Hall.

Contractor—Albert Nelson, 242 Ocean Avenue.

Ornamental Iron—Anchor Post Fence Co., 460 5th St.

Terra Cotta—N. Clark & Son, 116 Natoma Street.

Plastering—W. O. Anderson.

Painting—Patterson Bros., 494 36th St. Oakland.

Glazed Tile—Krafttile Co., 525 Market Street.

Interior Tile—Art Tile & Mantel Co., 221 Oak St.

Reinforcing Steel—Pacific Coast Steel Corp., 20th and Illinois Sts.

Structural Steel—McClintic Marshall Co., 2050 Bryant St.

Mill Work—Pacific Mfg. Co., Monadnock Bldg.

Lumber—Hobbs Wall & Co., Fife Bldg.

Terrazzo—California Terrazzo Marble Co., 2085 San Bruno Ave.

Finish Hardware—Baker Hamilton & Pacific Co., 700 7th St.

SAN FRANCISCO.—Bids will be asked shortly by the Constructing Quartermaster, Fort Mason, for service road and sidewalk for seven sets of double officers' quarters at the Presidio.

SACRAMENTO, Cal.—Standard Gas Engine Co., Dennison and King, Oak for the propeller, submitted low bid to U. S. Engineer Office, California Fruit Bldg., Sacramento, to furnish a heavy duty marine gasoline engine and propeller f.o.b. Rio Vista. Engine to be 4- or 6-cylinder, water cooled, with 80 brake hp. at propeller shaft speed of 750 r.p.m. Complete bids follow:

Standard Gas Engine Co., Oakland, engine, \$1350; propeller, \$50.

Hall-Scott Motor Co., San Francisco engine, \$1396.85; propeller, \$160.

Thomson Machine Wks., San Francisco, engine, \$1940; propeller, \$100.

SACRAMENTO, Cal.—Until Dec. 31, 3 P. M., under Order No. 4052-1905, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County:

110 ft. wire rope, regular lay, modified Seales construction, 3/4-inch dia., improved plow steel, hemp center, six strands, 19 wires to strand. This rope shall be furnished in two pieces each 55 ft. long wound on one reel.

2,000 ft. wire rope, regular lay, modified Seales construction, 3/4-inch dia., improved plow steel, hemp center, six strands, 19 wires to strand. This rope shall be furnished in two pieces, each 1,000 ft. long, wound on separate reels.

Concrete Awarded.
POST OFFICE. Cost, price, \$106,000.
STOCKTON, San Joaquin Co., Cal.
 Class A Post office.
 Owner—United States Government.
 Architect—Eliass and Bathweather, Baltimore 1916, San Francisco.
 Consulting Architect—Howard G. Russell, 421 S. Miner St., Stockton.
 Contractor—Murch Bros. Const. Co., St. Louis, Mo.

ALAMEDA, ALAMEDA Co., Cal. The Huber Company, 3447 South Alameda St., Los Angeles, desires sub-contract bids for furnishing and driving one hundred 20-ft. piles with concrete finishing caps, on concrete work and on piling, to be incorporated in the general bid to be submitted to the Construction Quartermaster, Benton Field Air Depot. Bids must be in the Huber Company's office on or before Dec. 30.

SACRAMENTO, Cal.—Until December 29, 3 P. M., under Circular No. 32-214, Specifications No. 4008-1888, bids will be received by U. S. Engineer Office, California Fruit Bldg., for repairing or furnishing main engine crank shaft.

Preparing Preliminary Plans.
POST OFFICE. Cost, \$—
NAPA, Napa Co., Cal. Randolph and Second Sts. (100x120-ft.).
 Class A Post office.
 Owner—United States Government.
 Architect—Reed and Corlett, Oakland Bank Bldg., Oakland.

SUNNYVALE, Santa Clara Co., Cal.—Until January 5, 11 A. M., under Specification No. 6779, bids will be received by the District Public Works Officer, Twelfth Naval District, Room 518, 100 Harrison St., San Francisco, for service facilities for Airship Mooring Mast at the U. S. Naval Air Station, Sunnyvale. The work includes one 5000-gallon underground tank for water; one 5000-gallon underground tank for gasoline; motor driven pumps for water and for gasoline; 1½-inch underground supply pipes for water and for gasoline; 4-inch underground pipe for low pressure helium service; excavation and backfill for these services and certain piping connections.

Plans are obtainable from the District Public Works Officer on deposit of \$15, returnable, checks for same to be made payable to the Chief of the Bureau of Yards and Docks.

HALLS AND SOCIETY BUILDINGS

Commissioned To Prepare Plans.
CLUBHOUSE. Cost, \$25,000.
SACRAMENTO, Sacramento Co., Cal.
 Del Paso Park.

Clubhouse in connection with 18-hole golf course.

Owner—Sacramento Golf Commission, L. S. Upson, president, and Jack Oakley, secretary.
 Architect—Charles Dean, California State Life Bldg., Sacramento.

To Ask Bids in One Week.
CLUB HOUSE. Cost, \$13,000.
OROVILLE, Butte Co., Cal. Montgomery Street.

One-story frame and stucco club house (auditorium, lounging room, tea rooms, retiring rooms, etc.; tile roof).

Owner—Monday Club, Oroville.
 Architect—Cole & Brouhard, Chico.

HOSPITALS

Hardwood Floor Contract Awarded.
BERLINGAME, San Mateo Co., Cal.
HOME NURSERY. Cost, \$—
 Four-story and basement steel frame

and concrete to use and maintain (tile and stone heating system).
 Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.

Architect—Edward Barnes, 545 Sacramento St., San Francisco.
 Contractor—Barnett & Hile, 945 Harrison St., San Francisco.
 Structural Engineers—Ellison & Russell, Pacific Bldg., San Francisco.
Hardwood Floors—Royal Floor Co., 600 7th St., San Francisco.
 Other awards previously reported.

Preparing Preliminary Plans.
CLINIC & STORES. Cost, \$—
SANTA CRUZ, Santa Cruz Co., Cal.
 North Branciforte & Soquel Aves.
 Two-story reinforced concrete clinic and store building (38 offices and 6 stores).
 Owner—A. O. Goldstein, 109 Riverside, Santa Cruz; Dr. R. S. Smylie, Dr. J. R. Porter and Dr. O. G. McConnell.
 Architect—Ryland Esty & McPhetres, Alta Bldg., Santa Cruz.

Contract Awarded.
EQUIPMENT. Cost, price, \$3,265.50.
FRENCH CAMP, San Joaquin Co., Cal.
 Furnish and install surgical equipment for the San Joaquin County General Hospital.

Owner—County of San Joaquin, Eugene D. Graham, county clerk, Stockton.

Specifications prepared by W. Y. Tretthway, County Purchasing Agent, Courtthouse, Stockton.

Contractor—Benjamin & Rackerby, 319 10th St., Sacramento.

Benjamin & Rackerby submitted the only bid.

Contract Awarded.
MORTUARY. Cost, price, \$6,877.
FRENCH CAMP, San Joaquin Co., Cal.
 General contract work in connection with Mortuary at the San Joaquin General Hospital.

Owner—County of San Joaquin, Eugene D. Graham, county clerk, Stockton.

Architect—Frederick H. Meyer, 625 Market St., San Francisco.

Contractor—E. H. Riley, First National Bank Bldg., Stockton.

Following is a complete list of bids:
 E. H. Riley, Stockton.....\$6,877
 J. A. Allen, Stockton.....7,200
 F. E. H. Zinck, Stockton.....7,210
 George Reek, Stockton.....7,230
 J. J. Cavanaugh, Stockton.....7,440
 H. E. Vickroy, Stockton.....7,490

YOUNTVILLE, Napa Co., Calif.—J. P. Brennan, 2820 Regent Street, Berkeley (Berkeley 0346) desires sub-bids on all portions of the work in connection with the construction of the hospital to be erected at the Yountville Home, for which bids will be opened on December 29, at Sacramento.

Bids Wanted—To Close Jan. 19, 2 P. M.

HOSPITAL ADDITIONS. Cost, \$—
NAPA, Napa Co., Cal. State Hospital.
 Brick addition to acute quiet hospital building and reinforced concrete addition to female acute disturbed cottage (slate roof, steam heating system from main plant).

Owner—State of California.
 Architect—George R. McDougall, state architect, Public Works Building, Sacramento.

YOUNTVILLE, Napa Co., Cal.—E. H. Riley, First National Bank Bldg., Stockton (Stockton 3103) desires sub-bids on all portions of the work in connection with the construction of the hospital to be erected at Yountville, for the State of California, for which bids will be opened in Sacramento on December 29.

SCHOOLS

Contract Awarded.
INFANTRIST HOTEL. Cost, \$17,000.
SAN FRANCISCO, Cal. 20 Chestnut Place.

Reconstructed hotel recently destroyed by fire.

Owner—A. P. Rogers, 20 Chestnut Place.

Architect—R. K. DeKoven, 17 Monterey Blvd.

Contractor—J. D. Hadden, 201 Kearney St.

ICE AND COLD STORAGE PLANTS

Plans To Be Prepared.
ADDITION. Cost, \$10,000.
WATSONVILLE, Santa Cruz Co., Cal.
 Beach Road.

Reinforced concrete cold storage plant addition (cork board insulation; capacity of 250 boxes per day).

Owner—Apple Growers' Cold Storage Co., Beach Road, Watsonville.

Structural Engineer—L. H. Nishkian, 525 Market St., San Francisco.

Mechanical Engineers—Hunter & Hudson, 41 Sutter St., San Francisco.

More definite information will be given in about 30 days.

(7454) 11

POWER PLANTS

LOS ANGELES, Cal.—Kelman Electric Co. was awarded contract by city purchasing agent at \$14,000 from city, for furnishing two oil-circuit breakers under specification No. 2000. All bids under item (2) were rejected.

LOS ANGELES, Cal.—Until 11 A. M., January 5th, bids will be received by city purchasing agent, Thomas Oughton, for furnishing oil fuse cut-outs and fuse links under specifications No. 2682. The items are:

- (1) D & W heavy service subway type oil fuse cutouts, or equal;
- (2) Reactive type fuse links, 30, 100 amperes and 12-100 amperes;
- (3) repair parts for use with above oil fuse cutouts.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Plans Completed.
MUSEUM. Cost, \$70,000.
SAN FRANCISCO, Napa Co., Cal. Main and 20th Sts.

Two-story reinforced concrete and brick museum (151x60-ft.).

Owner—Charles W. Howers Memorial Museum Commission.

Architect—W. Horner and J. Horner, 1101 National Bank Bldg., Los Angeles.
 Bids will be asked about Jan. 18.

Plans Being Completed.
LIBRARY. Cost, \$175,000.
FRESNO, Fresno Co., Calif. State Teachers' College.

Brick library (terra cotta roof).

Owner—State of California.

Architect—Swartz and Ryland, Spaulding Bldg., Monterey, and Box Bldg., Fresno.

Bids will be asked for shortly.

SAN FRANCISCO, Hook & Haymeyer, 656 Mission Street, awarded the scaffolding contract to the Patent Scaffolding Co., 270 13th Street, in connection with the construction of the terra cotta work on the War Memorial under construction on Franklin and Grove Sts. and Van Ness Ave.

Planned
CITY HALL. Cost, \$275,000
VAN NUYS, Los Angeles Co., Cal.
Two-story Class A (branch) city hall
(150 ft. tower).
Owner—City of Van Nuys.
Architect—Los Angeles City Constr.
Dept., Los Angeles.

Bids Rejected.
REMODELING. Cost, \$—
STOCKTON, San Joaquin Co., Cal.
Hunter Street.
Remodel two-story brick and concrete
firehouse (four fire fighting units;
rebuild front of building).
Owner—City of Stockton.
Architect—Peter Sala, 2130 N. Com-
merce St., Stockton.
John J. Cunningham, 219 N. Sutter
St., Stockton, submitted low bid at
\$43,300 and George J. Maurer, 50
York Drive, Oakland, was low on
mechanical work at \$9146.

Contracts Awarded.
WAR MEMORIAL. Cost, \$5,000,000
SAN FRANCISCO. Civic Center.
CARPENTRY AND MILLWORK FOR
OPERA HOUSE AND ROOFING
FOR OPERA HOUSE AND VET-
ERANS' BUILDING, COMPRIS-
ING S. F. WAR MEMORIAL, con-
sisting of four-story and basement
concrete Class A Veterans' Build-
ing and six-story Class A Opera
House, seating 4000; standing room
500.
Owner—City and County of San Fran-
cisco (S. F. War Memorial).
Architects—O. A. Lannsbrough, 140
Montgomery St. and Arthur Brown Jr.,
251 Kearny St.
Mfrs. of Const.—Lindgren & Swiner-
ton, Inc., 225 Bush St.
Carpentry and Millwork—Dinwiddie
Const. Co., Crocker Bldg., \$55,000.
Roofing—Alta Roofing Co., 976 Indiana
Street, \$3,063.

SANTA CRUZ, Santa Cruz Co., Cal.
County supervisors contemplate erec-
tion of additional units at the county
courthouse to provide urgently needed
quarters for various county offices and
the county jail. Approximately \$75,000
is now available for such construction,
according to George N. Ley, chairman
of the Board of Supervisors.

MARTINEZ, Contra Costa Co., Cal.
—Victor Kauffenberg, Box 936, Pitts-
burg (Pittsburg 579) desires sub-bids
on carpentry and concrete in connec-
tion with the construction of the Hall
of Records Building to be erected in
Martinez, for which bids will be open-
ed Dec. 22.

Bids Opened.
HALL OF RECORDS. Cost, \$300,000
MARTINEZ, Contra Costa Co., Cal.
Three-story Class A steel frame and
concrete Hall of Records (hollow
tile and metal lath partitions,
steel sash, heating plant).
Owner—County of Contra Costa.
Architect—E. Geoffrey Bangs, 411 30th
St., Oakland.
Structural Engineer—F. H. Tibbitts,
Alaska Commercial Building, San
Francisco.
Mechanical Engineer—G. M. Simonson,
Call Bldg., San Francisco.

Structural Steel
Golden Gate Iron Works, 1541
Howard St., San Francisco, \$33,264
Judson Pacific Co., S. F., 33,695
McClintic-Marshall Co., S. F., 33,990
Dyer Bros. Golden West Iron
Works, San Francisco, 35,990
Western Iron Works, S. F., 37,095
Herrick Iron Works, Oakland, 37,364
Moore Dry Dock Co., Oakland, 37,900
Schrader Iron Works, S. F., 39,100
Minneapolis-Moline Power and
Implement Company, 40,640

Marble
Jos. Musto Sons Keenan Co.,
535 North Point St., S. F., \$29,313
Clerivi Marble Co., S. F., 34,000
Eisele & Dondero, S. F., 34,968
Vermont Marble Co., S. F., 35,648
Ray Cook Marble Co., Oakland, 37,911
J. E. Back Marble Co., S. F., 39,306
American Marble Co., S. F., 39,876
Tile Work (Floor)
Mangrum-Holbrook Co., 1235 Mis-
sion St., San Francisco, \$2,300
Rigney Tile Co., Oakland, 2,457
Art Tile & Mantel Co., S. F., 2,500
Malott & Peterson, S. F., 2,941

Steel Erection
J. T. Walsh, 251 Kearny Street,
San Francisco, \$6,650
Joe Gerrick, San Francisco, 8,935
Herrick Iron Works, Oakland, 9,244
Steel Erectors Consolidated, Ltd.,
Oakland, 9,729

Plumbing
Carl T. Doell, 467 21st Street,
Oakland, \$11,972
Scott Co., Oakland, 12,200
Herman Lawson, San Francisco, 13,000
Mechanical Contracting Co., San
Francisco, 13,420
W. H. Picard, Oakland, 13,440
George Schuster, Oakland, 13,640
Turner Co., San Francisco, 14,000
F. W. Snook Co., San Francisco, 14,700
J. A. Fazio, Oakland, 14,272
Pearey & Moll, San Francisco, 16,824
R. W. Timmons, Richmond, 17,659

Miscellaneous and Ornamental Iron
Anchor Post & Force Co., 460 5th
St., San Francisco, \$26,998
Monarch Iron Works, S. F., 29,430
Federal Ornamental Iron and
Bronze Co., San Francisco, 29,490
California Artistic Metal & Wire
Co., San Francisco, 31,420
Fair Mfg. Co., San Francisco, 33,333
Artistic Metal Works, S. F., 34,652
Polson St. Iron Works, S. F., 35,819
Liberty Ornamental Iron Works,
San Francisco, 36,574
Sartorius Co., San Francisco, 41,500

Painting
Patterson Bros., 494 36th St.,
Oakland, \$10,325
J. F. Ecker, 11,450
J. J. Burdon, Richmond, 12,596
R. P. Paoli, San Francisco, 12,741
D. Zelinsky, San Francisco, 13,774
J. A. Turgeon, Oakland, 13,839
Raphael Co., San Francisco, 14,940
H. C. Lovett Co., Oakland (in-
check), 17,796
Lamble & Lamble, Richmond, 19,000

Heating and Ventilating
Herman Lawson, 465 Tehama
St., San Francisco, \$21,225
Mechanical Contracting Co., San
Francisco, 21,460
Carpenter & Mendenhall, Sacto.,
22,360
George Schuster, Oakland, 22,373
F. W. Snook, San Francisco, 22,400
Turner Co., San Francisco, 22,636
J. A. Nelson, San Francisco, 22,713
Scott Co., San Francisco, 22,950
George C. Bell, Oakland, 23,229
J. Guirson, Richmond, 23,286
Pearey & Moll, San Francisco, 23,353
Pacific Heating & Ventilating
Co., Oakland, 23,525
Standard Plumbing & Heating
Company, 23,922
Alta Electric & Mechanical Co.,
San Francisco, 23,946
W. H. Picard, Oakland, 24,223
Thomas Kennedy, Martinez, 24,411
Carl T. Doell, Oakland, 24,790

Lathing and Plastering
Jm. Makin, 420 Lee St., Oak-
land, \$34,563
W. F. Smith, San Francisco, 34,870
Chas. Terranova, San Francisco, 35,950
M. J. King, San Francisco, 36,238
W. G. & A. Gilmour, S. F., 36,400
A. Knowles, San Francisco, 36,712
George MacGruer Co., S. F., 38,877
Herman Bosch, San Francisco, 39,880
Ed. Anstey (no check), 41,653
A. H. Winchole, Richmond, 41,773
Leonard Bosch, S. F., 42,236

Carpentry and Miscellaneous Work
Geo. Swanstrom, 1723 Webster

St., Oakland, \$42,490
Chas. Stockholm, San Francisco, 51,441
K. E. Parker Co., San Francisco, 52,500
F. R. Zinck, Stockton, 53,800
Chas. Vezey & Son, Oakland, 55,913
Victor Kauffenberg, Pittsburg, 57,900
B. A. Hawkins, 59,454
San Francisco Coast Co., S. F., 63,934

Glass and Glazing
W. P. Fuller & Co., 301 Mission
St., San Francisco, \$2,944
East Bay Glass Co., Oakland, 3,195

Terrazzo Work
California Terrazzo Marble Co.,
2085 San Bruno Ave., S. F., \$6,950
Consolidated Terrazzo Co., 7,000
Oakland Concrete & Terrazzo Co.,
Oakland, 9,885

Cut Stone and Granite
California Cut Stone & Granite
Co., 1237 Naples St., S. F., \$134,242
Indiana Limestone Co., S. F., 138,250
McGillvray-Raymond Granite
Co., San Francisco, 144,385

Electrical Work
Turner Co., 329 Tehama Street,
San Francisco, \$26,015
J. P. Slater, Oakland, 26,262
Eddy Electric Co., Stockton, 26,268
Crockett Elec. Co., Crockett, 26,892
W. B. Baker Co., San Francisco, 27,425
Kenyon Electric Co., Oakland, 27,800
Scott-Buttner Co., Oakland, 27,860
Central Elec. Co., S. F., 28,650
T. L. Rosenberg, Oakland, 28,900
Spotts Electric Co., Oakland, 29,717
Globe Electric Works, S. F., 29,753
Norton Electric Co., S. F., 30,199
Dekker Electric Co., S. F., 30,435
Lynn & Droit, San Francisco, 30,490
NePage-McKenny Co., Oakland, 30,687

Roofing and Sheet Metal
Alta Roofing Co., 976 Indiana
St., San Francisco, \$ 6,987
Malott & Peterson, S. F., 7,443
W. J. Bender Roofing Co., S. F., 7,492
Mastercraft Tile & Roofing Co.,
Richmond, 11,524

Concrete Work
George Hudnutt, Inc., 1915 S
St., Sacramento, \$72,500
K. E. Parker Co., S. F., 83,300
Mission Concrete Co., S. F., 83,847
Monson Bros., San Francisco, 86,820
F. H. Cress, Oakland, 87,297
Victor Kauffenberg, Pittsburg, 87,300
Chas. Vezey & Son, Oakland, 89,960
Lindgren & Swinerton Inc., S. F., 90,800
Villadsen Bros., San Francisco, 92,950
Clinton Const. Co., S. F., 97,000
R. W. Littlefield, Oakland, 108,870

Terra Cotta
Reed and Reed, Hearst Bldg.,
San Francisco, \$ 85,900
(g), 123,190
(h), 81,515
(i), 84,765
(j), 45,685

Brick and Hollow Tile
Hock & Hoffmeyer, 666 Mission
St., San Francisco, \$20,840
Reed & Reed, San Francisco, 32,000

Recut Cast Stone
MacGruer Co., 266 Tehama St.,
San Francisco, \$64,989

Elevators
Spencer Elevator Co., 166 7th St.,
San Francisco, \$7,660
Otis Elevator Co., S. F., 7,689
Pacific Elevator & Equip. Co.,
San Francisco, 8,491

Linooleum and Cork Tile
W. & J. Sloane, 224 Sutter St.,
San Francisco, \$6,618
Van Fleet-Fear Co., San Fran-
cisco (linooleum), 6,840
(cork tile), 2,430
L. H. Schrader Co., 8,160
Malott & Peterson, S. F., 8,217
Dahl Thomas Co., Oakland, 8,311
Home Furniture Co., Martinez, 8,698
Commercial Carpet & Linooleum
Co., Berkeley, 8,875

(cork tile), 2,625
L. S. Case, Inc., San Francisco
(cork tile), 2,170
Bids held under advisement
December 28.

Sub-Contracts Awarded.
LIBRARY Cost, \$8000
OAKLAND, Alameda Co., Calif. 41st Street near Piedmont.
 One-story frame and stucco branch library.
Owner and Builder—F. M. Greenwood, 249 Montecito, Oakland.
Architect—Miller and Warnecke, Financial Center Bldg., Oakland.
Lessee—City of Oakland.
Contractor—Harry E. Kane, 921 Ramona Ave., Albany.
Plumbing—W. H. Picard, 5556 College Ave., Oakland.
Frames—Sheehan-Ballard Planing Mill Co., 9th and Parker Sts., Berkeley.
Lumber—Melrose Lumber and Supply Co., 1201 46th Ave., Oakland.
Brick—Forrest Brenner, 826 Cornell, Berkeley.
Wiring—Gerr & Clifford, 3525 E 14th St., Oakland.

RESIDENCES

Sub-Contracts Awarded.
RESIDENCE Cost, \$8000
SAN FRANCISCO, NE Seventeenth and Ord Streets.
 One-story and basement brick veneer residence (five rooms, canvassed walls, gas hot water heater, colored tile bath and kitchen).
Owner—Withheld.
Architect—Fabre and Hildebrand, 110 Sutter St., San Francisco.
Contractor—San Francisco Construction Co., 3159 Fillmore St., S. F.
Concrete—J. K. Moore, 778 23rd Ave., San Francisco.
Lumber—Sudden Lumber Co., Evans and Quint Sts., San Francisco.
Ornamental Iron—Sunset Iron Works, 964 Harrison St., San Francisco.
Electric—Paramount Electric Co., 141 Tenth St., San Francisco.

Sub-Contracts Awarded.
RESIDENCE Cost, \$6000
ROSS, Marin Co., Calif.
 One-story and basement frame and stucco residence.
Owner—G. Newell Perez.
Plans by Angelo Hewetson, 1100 Vermont Ave., Alameda.
Contractor—Seimer and Kendall, 105 Tunsted St., San Anselmo.
Lumber—Henry Hess Lumber Co., San Rafael.
Mill Work—Loop Lumber Co., Broadway and Blanding, Alameda.

Sub-Bids Being Taken.
RESIDENCES Cost each, \$5000
SAN MATEO, San Mateo Co., Calif. Casa Mateo.
 Two 1-story and basement frame and stucco residences (5 rooms each) tile and composition roof, gas heat, colored tile baths and kitchens, hardwood floors, etc.)
Owner and Builder—Castle Bldg. Co., 830 Market St., San Francisco.
Architect—Not Given.

Sub-Bids Wanted.
RESIDENCE Cost, \$—
ALAMEDA, Alameda Co., Calif. SW Cornell Drive and Fernside Blvd.
 One-story and basement frame and stucco residence (5 rooms) composition and tile roof, gas heat, colored tile bath and kitchen, etc.
Owner and Builder—J. C. Martin, 1437 5th St., Alameda.
Plans by Owner.
 Sub-bids are wanted on plastering, plumbing and wiring.
Lumber—Smith Lumber Co., foot 18th Ave., Oakland.

Preparing Preliminary Sketches.
RESIDENCE Cost, \$25,000
HILLSBOROUGH, San Mateo Co., Cal.
 Two-story and basement frame, stucco, brick veneer and half timber residence (9 rooms, 3 baths) Eng-

lish type, slate roof.
Owner—Withheld.
Architect—Chas. Strothoff, 2371 15th St., San Francisco.
Sub-Bids Being Taken.
RESIDENCE Cost, \$5000
RICHMOND, Contra Costa Co., Calif. W 32nd St. bet. Garvin and Esmond Streets.
 Two-story frame and stucco residence (6 rooms; shingle roof, gas heat, hardwood floors, colored tile bath and kitchen, etc.)
Owner—Glenn Bunker, 2433 38th Ave., Oakland.
Architect—F. H. Slocombe, 3830 Harrison St., Piedmont.
Contractor—Rodger Stone, Central Bank Bldg., Oakland.
 Sub-bids are wanted on all portions of the work.

Low Bidder.
PARISH HOUSE Cost price, \$17,870
HAYWARD, Alameda Co., Cal.
 Two-story frame and stucco parish house (Spanish type).
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco (Rev. Stephen Barron, pastor).
Architect—W. E. Schirmer, 700 21st St., Oakland.
Low Bidder—Thomas F. L. Furlong, 460 Jerome, Oakland.

Contract Awarded—Sub-Bids Being Taken.
RESIDENCE, ETC. Cost, \$4500
PALM ALTO, Santa Clara Co., Calif. 355 Alma Street.
 Class C residence and masseur parlor (hollow tile construction).
Owner—Anita L. Byxbee.
Plans by Da Mant Bros.
Contractor—De Mant Bros., 725 Santa Cruz Ave., Menlo Park.

Contract Awarded.
ALTER RESIDENCE Cost, \$6000
PALM ALTO, Santa Clara Co., Calif. 537 Coleridge Ave.
 Alterations and additions to frame and stucco residence (add three rooms, two tile baths, new painting, plumbing, heating, etc.)
Owner—Grace Ross Seale, premises.
Plans by H. Dabinett.
Contractor—H. Dabinett, 1765 Fulton
 Bids are wanted on tile work.

Construction Started.
RESIDENCE Cost, \$15,000
FRESNO, Fresno Co., Cal. Carmen Avenue.
 Two-story frame and stucco residence
Owner—Frank Kauke, Fresno.
Architect—Charles E. Butner, Cory Bldg., Fresno.
Contractor—J. Dan Shorb, 1295 Linden St., Fresno.

To Ask Bids Within One Week.
RESIDENCE Cost, \$15,000
FRESNO, Fresno Co., Cal. Figarden Tract.
 Two-story frame and stucco residence.
Owner—L. E. Cobb, Fresno.
Architect—Charles E. Butner, Cory Bldg., Fresno.

Sub-Bids Wanted.
RESIDENCE Cost, \$5000
OAKLAND, Alameda Co., Cal. No. 887 Brookwood Road.
 Two-story frame and stucco residence (6 rooms; tile roof, gas heat, colored tile bath and kitchen, etc.)
Owner and Builder—Wm. Van Aalst, 2033 34th Ave., Oakland.
Architect—Not Given.
Lumber—Smith Lumber Co., Foot of 13th Ave., Oakland.
Flooring—M. Friedman, 4404 La Cresta Ave., Oakland.

Contract Awarded—Sub-Bids Being Taken.
RESIDENCE Cost price, \$3960
BERKELEY, Alameda Co., Cal. Hillside Avenue.
 Two-story and basement frame and stucco residence (Spanish type); double garage, tile roof, hot air and gas heating system, colored tile bath and kitchen).
Owner—E. H. Rask, Berkeley Bank Bldg., Berkeley.
Architect—Hardman & Russ, Berkeley Bank Bldg., Berkeley.
Contractor—T. D. Courtright, 509 S. Manila Ave., Oakland.
 Following is a complete list of bids:
 T. D. Courtright, Oakland.....\$3,960
 H. K. Schultz, Oakland.....4,500
 David Nordstrom, Oakland.....4,530
 W. Cain, Oakland.....4,964
 Connor & Connor, Oakland.....5,000

Contract Awarded.
RESIDENCE Cost, \$—
SAN MATEO, San Mateo Co., Cal. Baywood Park.
 Two-story and basement frame and stucco residence (9 rooms, 2 baths, tile roof, gas heating system, chapel ceiling, colored tile baths and kitchen, laundry in basement, balconies, electric refrigeration).
Owner—J. M. Carlson, Carmelita Ave., Burlingame.
Architect—E. Cooper Corbett, 1720 Pacific Ave., San Francisco.
Contractor—W. O. Nicolaides, 236 Clark St., San Mateo.

Sub-Contracts Awarded.
RESIDENCE Cost, \$33,500
SAN FRANCISCO, Seaciff District.
 Two-story and basement frame, stucco and brick veneer residence (14 rooms, 5 baths; slate roof, tile baths and kitchen, gas heating system, etc.)
Owner—Joseph Bransteln.
Architect—Bakewell & Weihe, 251 Kearny St., San Francisco.
Contractor—A. F. and C. W. Mattock, 212 Clara St., San Francisco.
Grading—L. Devenenzi, 150 Collins St., San Francisco.
Boring of Caissons—D. J. Sullivan, 1942 Folsom St., San Francisco.
 Other awards will be made shortly.

Preparing Preliminary Plans.
RESIDENCE, ETC. Cost, \$75,000
SACRAMENTO, Sacramento Co., Cal. 10 Acre Tract.
 Two-story and basement brick and stucco residence (10 rooms, 3 baths); tile roof, steam heating system (35x55 feet); concrete swimming pool, tile lining, 4-car garage, stables, servants' quarters, etc.
Owner—Floyd Hart, 3028 O St., Sacramento.
Architect—Jens C. Petersen, 826 26th St., Sacramento.
 Bids will be asked about February 1st.

PLANNED
COTTAGE COURT Cost, \$—
FORTUNA, Humboldt Co., Cal.
 Frame cottage court.
Owner—John Collins, Fortuna, Cal.
Architect—Not Given.
 Present building on site will be moved.

Plans Being Completed.
RESIDENCES Cost, \$5000 each
SAN MATEO, San Mateo Co., Cal. Casa Mateo.
 Two one-story and basement frame and stucco residences (5 rooms each), tile and composition roof, gas heat, colored tile baths and kitchens, hardwood floors, etc.)
Owner and Builder—Castle Building Co., 830 Market St., San Francisco.
Architect—Not Given.

Turnish one Redwood No. 100-4 Teaching Set on the above subjects and utility charged about 25¢ compared with local Standard Electric Company. From the ASSOCIATED FRANCHISE MANAGER of the Board of Education at the above address.

BANKS, STORES & OFFICES

Plans Completed. Cost, \$30,000
UTILITY BLDG.
LONG BEACH, Los Angeles Co., Cal.
Pacific and Broadway

One-story and basement reinforced concrete utility building (60x120).
Owner—City of Long Beach.
Architect—Dedrick & Bobbe, Heartwell Bldg., Long Beach.

Sub-Contracts Awarded.
BUSINESS BLDG. Cost, \$7000
SAN JOSE, Santa Clara Co., Calif.
Julian Street near First St.
Type 3 business building.

Owner—M. J. Bennett, 35 Hawthorne St., San Jose.
Architect—Not Given.
Contractor—William M. Caldwell, 1241 Hedding St., San Jose.

Structural Iron—R. Hellwig Iron and Wire Works, 405 Vine St., San Jose.

Brick Work—P. Filben, 1140 Martin St., San Jose.
Plumbing—Frank Cox, 1323 Emory St., San Jose.

(7402) 1st report Dec. 15, 1931. 16
Plans Being Figured—Bids Close Dec. 31st.

UTILITY BLDG. Cost, \$20,000
LONG BEACH, Los Angeles Co., Cal.
Pacific and Broadway.

One-story and basement reinforced concrete utility building (60x120).
Owner—City of Long Beach.
Architect—Dedrick and Bobbe, Heartwell Bldg., Long Beach.

Work Abandoned.
REM-0491. BLDG. Cost, \$—
HOLLISTER, San Benito Co., Cal.
Remodel present building for store.
Owner—Bank of America.
Architect—H. A. Minton, Bank of America Bldg., San Francisco.

Plans Completed.
STORE Cost, \$7500
OAKLAND, Alameda Co., Calif. SE
57th Avenue and Foothill Blvd.

One-story brick and concrete store.
Owner—Robson & Robson de Young Bldg., San Francisco.

Architect—George Carroll, 335 Fremont St., San Francisco.

SAN FRANCISCO—Board of Public Works has requested the supervisors to authorize the construction of two additional stories to the Municipal Water Department Building at 425 Mason Street to house departments connection with the Hetch Hetchy Project. Action on the resolution will probably be taken at next Monday's meeting of the Board of Supervisors.

Bids Wanted. To Close Dec. 28, 12 Noon.

STORE Cost, \$—
SAN FRANCISCO, Pacific and Taylor Streets.

One-story and basement reinforced concrete and steel frame store (commission) roof and concrete steps.

Owner—Paul Klemmer, 255 Union Dr.
Architect—E. A. Neumarkel, 340 Kearny Street.

The following contractors will submit bids:
J. W. Coffey & Son, 260 Tehama St.
Young & Henshaw, 402 Market St.
Meyers Bros., 17, 6th St.
H. L. Patterson, 30 Fourth Ave.
The Phoenix Company
I. M. Sweeney and Howard St.
J. Martinelli, 135 Francisco St.

G. P. W. Jensen, 320 Market St.
Chas. Koenig, 520 Church St.
M. E. Vukobovich.
Richard Harms, 1217 Stanyan St.

Construction Plans.
STORE & MARKET Cost, \$15,000
LOS ANGELES 7th and 74th Street and Vermont Avenue.

Masonry shops of stone and marble.
Owner—Riches Grocery Company.
Architect—Russell Collins, 1329 Bartlett Bldg., Los Angeles.

Bids will be taken in about 2 weeks.

Contract Awarded.
OFFICES Cost, \$17,000
CARMEL, Monterey Co., Cal. Dolores Street bet. 7th and 8th.

Two-story reinforced concrete office and apartment bldg. (4 apts.)
Owner—Mrs. Mary J. Williams.
Plans by Eng. Dept. of Public Gas & Electric Co., Salinas.

Lessee—Pacific Gas & Electric Co.
Contractor—H. D. Coon, Carmel.

Owner Taking Segregated Bids.
STORE Cost, \$7500
OAKLAND, Alameda Co., Calif. SE
57th Avenue and Foothill Blvd.

One-story brick and concrete store.
Owner—Robson and Robson, de Young Bldg., San Francisco.

Architect—Geo. Cantrell, 335 Fremont St., San Francisco.

Construction Postponed.
STORE & OFFICES Cost, \$—
SAN FRANCISCO, Main and Mission Streets.

One-story, basement and mezzanine floor reinforced concrete store and offices (60x120-ft.) terra cotta exterior aluminum windows).

Owner—Spohn & Co., care architect.
Architect—Farr & Ward, 68 Post St.
Construction has been postponed for about thirty days.

Contract Awarded.
ALTER OFFICES Cost, \$6000
SAN FRANCISCO, NW Bush and Sansome Sts.

Alteration to offices.
Owner—Standard Oil Co. of California, 225 Bush Street.

Architect—G. W. Kelham, 315 Montgomery Street.
Contractors—Lundgren and Swinerton, Inc., 225 Bush St.

Contract Awarded.
REMODEL STORE Cost, \$5000
SAN FRANCISCO, Sacramento St. near Polk St.

Remodel two-story frame and stucco store building (3 stores).

Owner—Wittmold.
Architect—F. W. Dakin, 625 Market St., San Francisco.

Contractor—K. P. Pineda, 949 Filbert St., San Francisco.

Plans To Be Prepared.
REMODEL BLDG. Cost, —
HOLLISTER, San Benito Co., Cal.
San Benito and 5th St.

Remodel present two-story store and office bldg.
Owner—Paul Klemmer, Hollister, Cal.
Architect—Not Given.

Marble Contract Awarded.
OFFICES Cost, \$325,000
SAN FRANCISCO, N. McArthur St. Polk St. (60x120 ft.).

SIX-STORY and basement Class A reinforced concrete offices (terra cotta and granite facing; steam heating system).

Owner—First Nat. Bank, 4 William Mission St. 2nd St. St.

Architect—Bass & McGraw, 1000 Broadway Bldg.
Contractor—Bass & McGraw, 1000 Broadway
Engineer—E. R. Rounseburg, Crocker Building

Marble—Eastman Marble Co., 209 Mission Street.
Contract awards previously reported.

Planned.
ALTERATIONS AND ADDITIONS TO STORE Cost, \$11,000
PHOENIX, Fresno Co., Cal. 2d & Fulton St.

Alterations and additions to present store building.
Owner—S. J. Jones, Fresno, 4th and Broadway Sts., Fresno.

Architect—W. H. Lloyd and partner.

Sub-Contracts Awarded.
REMODEL BLDG. Cost, \$5000
OAKLAND, Alameda Co., Cal. 1st and 8th St.

Repair fire damage to building.
Owner—D. M. Farwell.
Architect—Not Given.

Contractor—L. J. Wagoner, 722 Scenic Ave., Berkeley.

Lumber—Frank Lumber Co. of Oakland, foot 15th Ave., Oakland.
Millwork—Oakland Planning Mill Co., 2nd and W. Street.

Tar and Gravel Roofing Western Iron Roofing Co., 24th and Poplar, Oakland.

Electric—Advantage Electric Co., 415 10th St., Oakland.

Sheet Metal—A-1 Sheet Metal Works, 1537 Fruitvale Ave., Oakland.

Glass—W. B. Fisher & Co., 200 10th St., Oakland.

THEATRES

Bids opened H. H. Under Adjustment.
REMODEL THEATRE Cost, \$20,000
OAKLAND, Alameda Co., Cal. 10th and San Pablo Ave.

Remodel Class A theatre (remodel exterior, re-design lobby and foyer, rebuild marquee, new sound equipment, projectors, etc.).

Owner—American Theatre.
Architect—A. A. Cantin, 544 Market St., San Francisco.

Agent—Lionel Wachs Co., 706 Bank of America Bldg., 12th and Broadway, Oakland.

SAN FRANCISCO—Until December 23, 3 P. M., under Proposal No. 787, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall to furnish and install stage fittings and draperies for the Aptos Junior High School. Specifications obtainable from above office.

Contracts Awarded.
ALTER THEATRE Cost, \$5000
OAKLAND, Alameda Co., Cal. 10th and Franklin Streets.

Alterations to theatre painting and re-decorating.

Owner—James K. Moffatt Theatre.
Architect—Not Given.

Contractor—M. J. Wagoner, 722 Scenic Ave., San Francisco.

Painting—Andrew Christensen, 1841 21st Ave., San Francisco.

Electric—Electrical Business Firm, 30 30th St., Oakland.

Low Bidders.

REMODEL THEATRE Cost, \$—
OAKLAND, Alameda Co., Cal. 10th and San Pablo Ave.

Remodel Class A theatre (remodel exterior, re-design lobby and foyer, rebuild marquee, new sound equipment, projectors, etc.).

Owner—American Theatre.
Architect—A. A. Cantin, 544 Market St., San Francisco.

Agent—Lionel Wachs Co., 706 Bank of America Bldg., 12th and Broadway, Oakland.

General Work—A. J. Haggard, 1760 Broadway, 17th and Broadway.
Electric—M. J. Wagoner, 722 Scenic Ave., Berkeley.

WHARVES AND DOCKS

LOS ANGELES, Cal.—Los Angeles harbor commission had under consideration at its meeting on Dec. 16, the question of advertising for bids for the construction of a steel and concrete transit shed at Berths 145-146, Los Angeles Harbor. The matter was referred back to the harbor engineer for one week.

MISCELLANEOUS CONSTRUCTION

Contract Awarded.
ELECTRIC SIGN. Cont. price, \$1000
REDWOOD CITY, San Mateo Co., Cal.
For conversion of the Redwood City electric sign over El Camino Real near Broadway from its present method of illumination to Neon tubing.

Owner—City of Redwood City, B. E. Myers, city clerk.
Architect—Not Given.
Contractor—Q. R. S. Neen Corp., 306 7th St., San Francisco.

SANTA CRUZ, Santa Cruz Co., Cal.—City council has purchased a 5%-acre site in Water Street which will be improved for a public recreation field. A 2,000-seat baseball grandstand will be erected and the latest type of athletic field equipment will be installed.

SAN FRANCISCO.—Safety Switchboard & Manufacturing Co., 960 Howard St., at \$1,500 awarded contract by State Board of Harbor Commissioners to furnish and install electric light number signs on piers on the Embarcadero. Following is a complete list of the bids:
Safety Switchboard & Mfg. Co., \$1,500
Jos. Laib 1,875
Brumfield Elec. Sign Co., 2,542
Electrical Products Corp., 3,584

Contract Awarded.
GOLF COURSE \$100,000
total expenditure

SACRAMENTO, Sacramento Co., Cal.
Del Paso Park.
Eighteen-hole golf course.
Owner—Sacramento Golf Commission,
L. S. Upson, president, and Jack Oakley, secretary.
Plans by Dr. A. McKenzie, Paso-tempo, Santa Cruz.
Contractor—American Golf Course Const. Co., care architect.
Contract for the sprinkler system has been awarded to Luppen & Hawley, 3126 J St., Sacramento.

FRESNO, Fresno Co., Calif.—Until January 5, 2 P. M., bids will be received by D. M. Barnwell, county clerk to construct a service pipe tunnel at the Fresno County General Hospital, involving:

- (1) 250 cu. yds. earth excavation;
- (2) 87 cu. yds. reinforced concrete;
- (3) 2 reinforced conc. manholes with covers;
- (4) 1 electric light system in conduit with 5 lamp sockets, plug receptacles and 100 watt lamps.

Certified check or bidder's bond 10% payable to County of Fresno required with bid. Plans obtainable from the County Engineer, Chris P. Jensen, 231 Holland Bldg., Fresno. Construction is to be completed before Feb. 15, 1932.
December 19, 1931

Contract Awarded—Complete Bid Listing.
TOWER. Contract price, \$77,398
SAN FRANCISCO. Pioneer Park on Telegraph Hill.

Construct concrete monumental tower (install elevator, heating and electric, concrete work, quarry tile, iron work, carpentry, ornamental tile and plumbing; provide space

for restaurant in basement).
Owner—City and County of San Francisco (Park Commission).
Architect—Arthur Brown, Jr., 251 Kearny Street.
Contractor—Young & Horstmeier, 461 Market Street.

Following is a complete list of bids:
Young & Horstmeier \$77,398
Monson Bros. 80,490
Harrell & Hilp 81,676
Villadsen Bros. 83,961
Jacks & Irvine 87,436
F. J. Reilly 87,883
Mission Concrete Co. 88,000
Reilly & Grace 88,871
Clinton Stephenson Const. Co., 89,648
Dinwiddle Const. Co. 89,900
MacDonalld & Kahn, Ltd., 91,000
F. C. Amoroso & Sons 92,700
G. P. W. Jensen 92,900
Anderson & Ringrose 95,000
Vogt & Davidson 101,640

SAN FRANCISCO.—Until Dec. 23, 3 P. M., under Proposal No. 759, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish concrete meter boxes, lids and covers for the San Francisco Water Department. Specifications obtainable from above.

MISCELLANEOUS SUPPLIES AND MATERIALS

UKIAH, Mendocino Co., Calif.—Bids will be asked at once by the county supervisors to furnish fuel oil for the courthouse and fuel and stove oil for the County Children's Home.

ANAHEIM, Orange Co., Cal.—Until 3 P. M., Jan. 12, bids will be received by city council for furnishing approximately 35,000 lin. ft. 3 1/4-in. fibre conduit. Specifications obtainable from city manager. Certified check, 10%.
Edward B. Merritt, city clerk.

Plans for a huge international aqueduct, estimated to cost \$203,000,000, whereby 2,000,000 acre feet of water would be brought annually to the metropolitan water district and Southern California through San Diego county from the Colorado and Gila rivers have been outlined to the directors of the Chamber of Commerce of San Diego by John F. Forward, Jr.

The proposition has been studied for months by Forward, J. C. Allison and Frank J. Belcher with Thos. H. King, hydraulic engineer. They have spent more than \$25,000 of their money in the survey. The chamber directors voted unanimously for a resolution urging that action be taken to have the state appropriate \$50,000 to complete the necessary survey and investigation. They also requested that the city council and county board of supervisors appropriate money to expedite such a survey, this money later to be returned by the state.

The plan provides for the storage at Laguna Salada of 5,000,000 acre feet. The line of the proposed international aqueduct would enter the United States from Mexican territory in Lower Imperial Valley at a point about two and one-half miles west of Tecate. Tentative estimates apportion the \$203,000,000 cost into \$70,000,000 to be spent in flood control at the mouth of the Colorado; \$15,000,000 for the main tunnel running through a pass in the Cocopah mountains into Laguna Salada; \$850,000 for a 36-foot dam at Laguna Salada, and the remainder for other construction features over the proposed route.

Plans for such an aqueduct would not interfere with the proposed El Capitan dam, which would be needed long before the aqueduct could be built and placed in use. The equi-

duct would mean the abandoning of the so-called Parker aqueduct route.

Harry S. Kissell, President of the National Association of Real Estate Boards, member of the Hoover committee on Finance of the Conference on Home Building and Home Owning, enthusiastically commented on the committee's resolution supporting Mr. Hoover in any remedial measures he proposes for relief of the home mortgage situation, but said he would not approve the recommendation that home buyers always have twenty-five per cent of the purchase price before undertaking the project. He also said he would not approve the recommendation that realty values would be safeguarded by establishing central appraisal bureaus in various cities.

The first recommendation Mr. Kissell termed "entirely too restrictive." He said it would operate unnecessarily to discourage a home ownership since thousands of families always would continue to be renters if they had to wait until they had 25 per cent saved.

"Although the real estate men would like to have large down payments—and in theory this might be a good thing—in practice it will not work out. Countless happy people who own their homes today did not have 25 per cent and probably never would have had it." Furthermore, it is not possible to lay down a rule like this, covering transactions which depend so much on the character of the individual. As all real estate men know, we have all had experience with the honest, industrious family that can begin with practically nothing and achieve and sustain home ownership.

"The wide dissemination of the 25 per cent recommendation of this committee is likely to scare people from home owning, which is directly opposed to the purpose of this conference."

"I did not approve the recommendation on the central appraisal bureaus for the reason that each of our real estate boards in 562 cities has an appraisal division exactly like the one this committee would have set up separately. Since these divisions already are doing this sort of work and as they are made up of the most highly trained men in the country, I do not see the need to set up other machinery of this character."

During the first 16 days of December, 1931, the Los Angeles city building department issued 1216 permits with an estimated valuation of \$1,708,513. For the corresponding period in December a year ago the number of permits issued was 1324 and the estimated valuation was \$2,586,884, while for the first 16 days of November, 1931, the number of permits issued was 1208 and the estimated valuation was \$1,267,639. For the current year up to and including December 16 Los Angeles' building total was \$40,328,810 as compared with \$71,392,374 for the corresponding period last year.

Mueller Brass Co., Port Huron, Michigan, reports an increase of 296% in their sales of streamline copper pipe and fittings for the fiscal year ending November 28, 1931, as compared with the preceding year. For the 13 periods just ending their sales totaled \$448,555.32, in spite of the fact that the building market has shown a decline over this same period and that copper prices are down. This sales figure was divided almost evenly between the Mueller patented fitting and copper pipe.

Engineering News Section

BRIDGES

MENDOCINO COUNTY, Cal.—Gutleben Bros., 4315 Hopkins St., Oakland at \$208,248, awarded contract by the State Highway Commission to construct two reinforced concrete bridges about 7½ miles south of Lanes Flat; one across Big Dann Creek, consisting of one 320-ft. open spandrel arch span and six girder approach spans varying in length from 51-ft. 6-in. to 39-ft. 6-in. and the other across Cedar Creek, consisting of one 320-ft. open spandrel arch span and six girder spans varying in length from 49-ft. 6-in. to 46-ft. 6-in. Complete bids published in issue of December 17.

TRINITY COUNTY, Cal.—John Berlinger, 296 Walker St., Orland, Calif., at \$19,269.50, awarded contract by the State Highway Commission to construct one reinforced concrete girder bridge across Canyon Creek, 11 miles west of Weaverville, consisting of five 40-ft. spans on concrete bents. Complete bids published in issue of Dec. 17.

LONG BEACH, Cal.—Geo. E. Bartlett, 2132 Chestnut Ave., Long Beach, awarded contract by city council at \$76,945 for constructing a reinforced concrete viaduct (except structural steel crossing) on Orange Ave. and Hill St. over the tracks of the Pacific Electric Railway.

Consolidated Steel Corp., 1200 North Main St., Los Angeles, was awarded the contract for structural steel at \$16,900.

The structure will be 1300 feet in length, L-shaped, including the steel crossing over four standard tracks of the Pacific Electric Railway. The steel crossing will require about 250 tons of structural steel. The reinforced concrete work will require approximately 235 tons of reinforcing steel.

MODESTO, Stanislaus Co., Calif.—County supervisors contemplate construction of a bridge over Dry Creek at end of 19th St. in Modesto. Frank J. Rossi, Modesto city engineer, roughly estimates the cost at \$10,000.

ALAMEDA, Alameda Co., Cal.—Bids will be asked shortly by C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, 461 Market St., San Francisco, for the reconstruction of an existing 800-ft. timber trestle in connection with the Government Island Project, Alameda. The work involves:

- (1) removing existing superstructure;
- (2) 11.6 M. ft. b.m. untreated timber;
- (3) 292.7 M. ft. b.m. treated timber;
- (4) 3965 lin. ft. treated timber piling;
- (5) 2530 cu. yds. bitum. wearing surf.

SACRAMENTO, Cal.—County Engineer Chas. Detwiler Jr. is preparing plans for the new H street bridge. The cost of construction is estimated at \$200,000. The new bridge will tie in with the new H street subway and will give the eastern section of the city a new gateway. Approximately one-half of the cost has been set aside by the county supervisors. Plans are to build the new bridge downstream from the present structure, straightening out the present approach and continuing the junction of Howe Ave. with Fair Oaks Blvd.

LOS ANGELES, Cal.—W. D. Armstrong, Chief Engineer of Bridges, Los Angeles County, has completed plans for two grade separations to be built under cash contracts. They are:

Orange Avenue under the Santa Fe Railway, in Arcadia. The railway portion of this structure will be of the steel through girder type. Plans for the railway's work were prepared by the company engineer. The expense to the county will be \$61,995.

Vermont Ave. over the Santa Fe Railway at Gaffey St., San Pedro. This will be a reinforced concrete structure and cost \$20,994.

Funds for these jobs have not been provided but it is expected that some provision will be made within the near future.

SAN FRANCISCO.—M. B. McGowan 74 New Montgomery St., at \$18,500, awarded contract by Chief Engineer, San Francisco—Oakland Bay Bridge, 500 Sansome St., to investigate bridge foundation sites on Yerba Buena Island, consisting of boring casted holes and diamond drilling through bedrock and taking samples of material for investigation, involving:

- (1) 4000 lin. ft. diamond drill through bedrock, \$4.00;
- (2) 250 lin. ft. cased holes from ground line to bedrock \$10.00.

Complete unit and total bids published in issue of Dec. 17.

DREDGING, HARBOR WORKS & EXCAVATIONS

LOS ANGELES, Cal.—Plans for the construction of levee and Gunite protection work on Pacoima Wash, between Arieta St. and the San Fernando Road have been filed with the Los Angeles county supervisors by E. C. Eaton, Flood Control Engineer.

The items upon which bids will be asked are:

- (1) 66,500 cu. yds. excavation;
- (2) 186,000 sq. ft. Gunite facing slab;
- (3) 207,000 sq. ft. manufacturing and placing pre-cast mattress;
- (4) 9900 sq. ft. concrete paving slab, Laurel Canyon Blvd.;
- (5) 30 cu. yds. Class B concrete cut-off walls and curtain walls;
- (6) 5 cu. yds. Class C misc. reinforced concrete structures;
- (7) 100 cu. yds. rockfill, Laurel Canyon Blvd.;
- (8) 10,900 lbs. placing metal drainage culverts and gate complete;
- (9) clearing right of way of all debris.

SACRAMENTO, Calif.—Franks Contracting Co., 260 California Street, San Francisco, at \$48,996.90 submitted low bid to U. S. Engineer Office, California Fruit Bldg., Sacramento, to raise and strengthen existing levee on westerly side of Yolo By-pass and easterly side of Cache Slough around Liberty Island, a distance of approximately 30,130 ft. Total quantity of material to be moved is approximately 621,000 cu. yds. Complete bids follow:

Franks Contracting Co., San Francisco, unit, \$0.0789; total \$48,996.90.
Olympian Dredging Co., San Francisco, unit, \$0.0898; total \$55,765.30.
R. T. Elvey, Antioch, unit, \$0.0926; total, \$57,628.50.
Government estimate, \$1.24.

STREET LIGHTING SYSTEMS

MODESTO, Stanislaus Co., Calif.—City Engineer Frank J. Rossi is preparing plans for ornamental electrolier system in Eleventh St. between K St. and Needham Ave. Four single-lamp standards will be installed. The cost is estimated at \$5,000.

MACHINERY AND EQUIPMENT

SAN FRANCISCO.—Mr. Cleghorn, % Truscon Steel Co., Cal' Bldg., is in the market for an 11-ft. concrete mixer, second-hand, suitable for operation in connection with a state highway bridge project.

SIGNAL HILL, Los Angeles Co., Cal.—Young & Gresham, 2641 E. Anaheim St., Long Beach, awarded contract by city council at \$1031.29 (less allowance of \$50) for used truck, for furnishing a specially built 3-yd. steel garbage body with wood hoist.

SACRAMENTO, Cal.—Until Dec. 24, 10 A. M., under Quotation No. 23653, Requisition No. 6352, bids will be received by the State Bureau of Purchases, Sacramento, to furnish f.o.b. San Luis Obispo, one 15-hp. tracklayer type tractor with steel plates and spark arrester. Allowance is to be made for one Caterpillar 2-ton tractor, CHC 171, which may be inspected at Shop No. 5 at San Luis Obispo.

SIERRA MADRE, Los Angeles Co., Cal.—Bids for furnishing road working machinery to the city were opened by the city council Dec. 16. Bids were asked on equipment as follows:

- (1) One used Buffalo—Springfield special four-cylinder motor roller with 90-day guarantee;
 - (2) One new or used "Caterpillar" tractor, size 30 drawbar, horsepower 25, belt horsepower 30, with a 90-day guarantee (used tractor to be not over 2 years old);
 - (3) One new "Caterpillar" 20 grader, standard equipment, with 8-ft. blade, tire flanges, tractor pole, draft cable.
- The bids, which were referred to the business manager for tabulation and report to the street committee of the city council, were:

California Equipment Co. (1) Kelly-Springfield roller, \$850 (2) used Caterpillar tractor, \$1250 (3) no bid on grader.

Shepherd Tractor & Equipment Co. (1) no bid (2) new tractor, \$2495, used tractor, \$1400 (3) grader, \$625.

George W. French, (1) used Austin single-cylinder roller, \$800; no bid on (2) and (3).

Brown-Bevis Co., (1) 3-wheel Austin, single-cylinder \$1000 (2) used tractor, \$1075 (3) Edwards Mfg. Co.'s grader, new, \$525.

Crook Co., (1) Buffalo—Springfield roller, new \$4800; Buffalo-Springfield roller, 2-cylinder, \$550; 8-ton steam roller, Kelly-Springfield tandem, \$550; 8-ton, 2-cylinder, \$550; 2-cylinder late model tandem, \$1500. (2) A-C tractor, new, \$2685; used, \$2000; used Caterpillar tractor, "30," \$1250. (3) Adams leasing who is graded, new, \$1035.

E. J. Gardner, (1) cylinder used Buffalo-Springfield, \$1550.

Smith, Booth, Usher (1) Galion, 4-
x-lander roller, new, \$3800 (2) no bid
(3) No. 78 Galion grader, \$760, No. 88
grader, \$884.

SACRAMENTO, Cal.—Until Decem-
ber 29, 3 P. M., under Circular No.
32-21, Specifications No. 4008-1888,
bids will be received by U. S. En-
gineer Office, California Fruit
Bldg., for repairing or furnishing
main engine crank shaft.

LOS ANGELES, Cal.—Until 12 M.,
Dec. 21, bids will be received by the
county purchasing agent, H. E. Rus-
sell, 132 N. Broadway, for furnishing
one garbage truck under Spec. No.
2272. The specifications call for one
Chevrolet six-cylinder garbage truck,
complete with body and heavy duty
pipes hydraulic hoist, 1½-ton, 13-in.
chassis, pneumatic tires, dual rear,
closed cab, Burton overhead springs,
Anthony No. 4731 3-yard body painted
gray.

LINDEN, San Joaquin Co., Cal.—
Until January 11, 7:30 P. M., bids will
be received by Robert E. Reed, Clerk,
Linden Union High School District,
for:

a. For the sale to the District of a
School Bus with a seating capacity of
35 students.

b. For the sale to the District of a
one and one-half-ton Ford Truck
Chassis, equipped with No. 197—C. C.
P. & C. School Coach Body.

Certified check 10% payable to Board
of Trustees of District required with
bid. Further information obtainable
from clerk.

SACRAMENTO, Cal.—Until Decem-
ber 30, 2 P. M., bids will be received
by W. H. Riechel, superintendent of
equipment, Shop No. 10, State High-
way Commission, 1802 34th St., Sacra-
mento, for the purchase of the follow-
ing equipment, no longer required:
CHC 378 2-ton Caterpillar Tractor;
CHC 143 Spearwell Big 8 Grader At-
tachement;
CHC 289 Austin Giant Leaning Wheel
Grader;
CHC 305 Austin Standard 7' Leaning
Wheel Grader;
CHC 323 2-ton 4-wheel Trailer.

Lumber as follows:

Pile	No.	Pieces	Dimensions	Board	Linear
				Feet	
	4	76	4"x14"x20"	7093	1,520
	5	231	4"x14"x20"	21560	4,620
	6	268	4"x12"x20"	21410	5,360
	7	180	2"x6"x17"	3060	3,060
	8	242	4"x6"x5'	2420	1,210
	9	35	10"x10"x18"	5250	630
	11	224	4"x12"x20"	17920	4,480
	12	192	4"x12"x20"	15360	3,840
	13	204	4"x12"x20"	16320	4,080
	14	158	4"x12"x18"	11376	2,844
	15	190	4"x12"x18"	13680	3,420
	17	94	4"x12"x20"	7520	1,880
	16	Unknown	Various	good	for wood

2094 142999 36,944

Bidders may make offers for one or
more items but must state price offered
for each item. No lump sum bids
will be considered.

All equipment, except the lumber,
may be inspected at the Division of
Highways' yards at 1852 34th Street,
Sacramento, from A. to 5 P. M.
on any working day.

The lumber may be seen on any
working day at the Division of High-
ways' Twin Cities Maintenance Yard,
which is near Galt, Sacramento
County.

PASADENA, Calif.—Until 9 A. M.,
Dec. 23, bids will be received by Bessie
Chamberlain, city clerk, for fur-
nishing f.o.b. Pasadena, a motor pick-
up street sweeper, equipped with gut-
ter and pickup brooms and pneumatic

tires, complete in every detail, includ-
ing lamps, tools, extra filled segments
for gutter broom and extra core for
pickup broom. Certified check, 10%.

HUMBOLDT COUNTY, Cal.—Until
Dec. 30, 2 P. M., bids will be received
by W. H. Pierce, superintendent of
equipment, Shop No. 1, State Highway
Commission, Eureka, for the purchase
of the following equipment, no longer
required:
CHC 2592 Chevrolet Screenside, 1-ton
CHC 2791 Chevrolet Coach
CH 15 Diamond "H" Drag Saw
CHC 130 Russell Grader Attachment
CHC311 2-ton Caterpillar Tractor (dis-
mantled).

Bidders may make offers for one or
more items but must state price offered
for each item. No lump sum
bids will be considered.

All equipment may be inspected at
the Division of Highways' yards at
Eureka, Calif., from 8:30 A. M. to 4:30
P. M. on any working day, with the
exception of CHC 15, Diamond "H"
Drag Saw, which may be inspected at
the Division of Highways' yards at
Crescent City, Calif., from 8:30 A. M.
to 4:30 P. M. on any working day.

BERKELEY, Alameda Co., Cal.—J.
E. French Co., Oxford and Addison
Sts., Berkeley, at \$990.75 awarded the
contract by city council to furnish a
one-half ton truck to be used for a
pound wagon. Complete bids follow:
J. E. French, Berkeley.....\$ 990.75
Weaver-Well, Berkeley.....1195.00
General Motors, Oakland.....1376.00
Kleiber Motors, Oakland.....1650.00

RIVERSIDE, Riverside Co., Calif.—
Freeland Tractor & Equip. Co., Riv-
erside, awarded emergency contracts
by county purchasing agent, W. L.
Carlson, for furnishing road equip-
ment as follows: A Caterpillar "30"
trailer at \$253.19 net; a bulldozer at
\$1445.50 net, for use as snow plow,
and a road ripper at \$400.

SACRAMENTO, Cal.—Standard Gas
Engine Co., Dennison and King, Oak-
land, at \$1350 for the engine and \$53.50
land, at \$1350 for the engine and \$53.50
for the propeller, submitted low bid
to U. S. Engineer Office, California
Fruit Bldg., Sacramento, to furnish a
heavy duty marine gasoline engine and
propeller f.o.b. Rio Vista. Engine to
be 4- or 6-cylinder, water cooled, with
80 brake hp. at propeller shaft speed
of 750-r.p.m. Complete bids follow:
Standard Gas Engine Co., Oakland,
engine, \$1350; propeller \$53.50.
Hall-Scott Motor Co., San Francisco
engine, \$1396.85; propeller, \$160.
Thomson Machine Wks., San Fran-
cisco, engine, \$1910; propeller, \$100.

RAILROADS

ALAMEDA, Alameda Co., Calif.—
Following bids were opened by U. S.
Bureau of Public Roads, San Fran-
cisco, for supplying girder rail, rail
fastenings and accessories required to
lay approximately 2,838 lin. ft. of spur
track at Government Island, Alameda:
Pacific Coast Steel Co., 20th and Il-
linois Sts., San Francisco, \$6,585 f.o.b.
factory at Steeldon, Pa.; \$8,256 f.o.b.
(rail) Government Island, Alameda; no
discount for scrap.

United Commercial Co., 234 Steuart
St., San Francisco, \$6,585 f.o.b. fac-
tory at Steeldon, Pa.; \$8,256 f.o.b. Gov-
ernment Island, Alameda, by rail; dis-
count of \$400 for scrap.

A. Berovich Co., Berkeley, submit-
ted bid of \$527.50 for the scrap.
All bids held under advisement.

LONG BEACH, Cal.—Railroad con-
struction work involved in the pro-
posed work at pier A, berths 1 and 2
for which bids are to be opened by the

Harbor Commission, Dec. 26 at 9 A.
M. (previously noted) will require ma-
terials as follows:
1735 128-lb. girder rail;
3796 90-lb. rail;
336 80-lb. rail;
1539 75-lb. rail;
900 second 80-lb. rail;
500 second 85-lb. rail;
446 second 70-lb. rail;
60 60-lb. rail;
7 90-lb. turnout split switches;
1 75-lb. turnout split switch;
3 No. 7 mates and frog;
1 No. 6 60-lb. (second) turnout;
6000 tons, more or less, ballast;
7000 cu. yds. grading.

FIRE EQUIPMENT

GLENDALE, Ariz.—An election will
be held Dec. 22 to vote on a \$13,000
bond issue for fire department. The
proposed equipment includes a com-
bination hose wagon and pumper of
750 G. P. M. capacity, extra equip-
ment, resuscitator, first aid kits, etc.

LOS ANGELES, Cal.—Until 11 A.
M., January 6, bids will be received by
city purchasing agent, Thomas Ough-
ton, for furnishing fire hose under
specification No. 2700 for the fire de-
partment. The items are:

- (1) 7000 ft. of 1½-in. double jacket
hose;
- (2) 43,000 ft. of 2½-in. double
jacket hose.

EXETER, Tulare Co., Cal.—Ameri-
can La France Co., San Francisco, has
been awarded contract by city council
at \$6000 for the purchase of a fire
truck, 500 G. P. M. booster pumper.

LOS ANGELES, Cal.—Until Jan. 6,
11 A. M., under Specification 2700, bids
will be received by Thos. Oughton,
city purchasing agent, for furnishing
(1) 7,000 ft. of 1½-inch double jacket
hose; (2) 43,000 ft. of 2½-inch double
jacket hose.

RESERVOIRS AND DAMS

SAN DIEGO, Cal.—Voters of San
Diego, at an election last Tuesday, au-
thorized transfer of funds to finance
construction of the El Capitán Dam to
cost approximately \$3,700,000. The pro-
posed dam will be of the rock and
fill type, 197 ft. in height and will im-
pound 118,000 acre feet. The site is on
the San Diego River at El Capitán.

SAN DIEGO, Cal.—As previously re-
ported, the proposal to transfer \$2,-
776,000 bond funds and \$900,000 City
pipeline funds for the construction of
a dam at the El Capitán site on the
San Diego River carried at the special
election Dec. 15. Plans prepared by H.
N. Savage, hydraulic engineer for the
city, provide for an earth and rock fill
structure, 197 feet high above the
stream bed with foundations 35 to 50
feet below, and a 20-ft. freeboard, giv-
ing a total overall height of 250 feet.
The length of the structure across the
top will be 1300 feet. The reservoir will
have a capacity of 39,000,000 gals.
Excavations for the foundations will
involve about 200,000 cu. yds. loose
rock excavation. The structure will
require approximately 1,500,000 cu. yds.
earth and 850,000 cu. yds. rock. The
flexible core will require approximate-
ly 55,000 cu. yds. of concrete. Plans
have been approved by the state en-
gineer.

PRESCOTT, Ariz.—Ambursen Dam
Co., Alexander Bldg., San Francisco,
commissioned by the city of Prescott
to prepare plans for Ambursen type
concrete dams to be built under a re-
cently voted bond issue of \$200,000.
The dams planned are as follows:

Lake Goldwater Dam, estimated to cost \$135,000.
Wolf Creek Dam and Groom Creek Dam, \$65,000.

PIPE LINES, WELLS, ETC.

VENTURA, Ventura Co., Cal.—Bids for drilling of water well on the city reservation below Pierpont Bluff were opened by the Ventura city council Dec. 14. The well will be 1000 ft. in depth and involve both 156-in. and 12-in. casing. Bids follow:

Newton Palm, Fillmore—(1) without casing, \$6300; (2) with casing, \$10,534.
Roscoe Moss Co., Los Angeles—(1) no bid, (2) \$7415.
L. A. Anderson, Camarillo—(1) \$2900, (2) no bid.

E. C. McLaren, Long Beach—(1) \$6500, (2) \$12,000.
Barber & Bridge, Moorpark—(1) \$4000, (2) \$8820.

Henry Hatherly, Oxnard—(1) no bid, (2) \$11,900.

K. A. Ferrier, Oxnard—(1) \$6050, (2) no bid.

J. N. Rogers, Hollywood—(1) \$4450, (2) \$3900.

SANTA BARBARA, Cal.—Captain James Irvine, president of Irvine Pipe Lines, Ltd., has announced that construction of an oil pipeline from the La Mesa field to the Bankline terminal near Elwood will start about January 1. The estimated cost is \$100,000. Tanks and pipe have been purchased.

SAN JOSE, Santa Clara Co., Cal.—Fred Holthous, Santa Clara, at \$2250, awarded contract by county supervisors to drill a well at County Almshouse at Milpitas. Well to be 14-in. in diameter, 360-ft. deep, to produce not less than 500 gallons of water per minute, each gallon in excess of 500 gallons per minute, \$5. Only one other bid was submitted, by John L. Smith, San Jose, \$4900, each gallon in excess of 500 gallons, \$9 per gallon.

SEWERS AND SEWAGE DISPOSAL PLANTS

SPARKS, Nev.—Oakland Sewer Construction Co., 9915 Walnut St., Oakland, submitted the low bid to the state of Nevada at \$8063 to construct vitrified sewer line to connect the State Hospital for Mental Diseases to the city of Sparks (Nevada) sewer system. J. S. Jensen, Reno, next low bidder at \$8383. The work involves:

- (1) 3225 ft. 8-in. vit pipe;
- (2) 2616 ft. 10-in. vit. pipe;
- (3) 170 ft. 6-in. vitr. pipe;
- (4) 17 manholes.

The average cut will be 7 ft.

Work will be paid for in cash. C. C. Taylor, city engineer of Sparks, prepared the plans.

LOS ANGELES, Cal.—Mike Radich, 410 N. Formosa St., Los Angeles, was awarded contract by board of public works at \$23,506.40 to construct sanitary sewers in Bundy Drive and Kearsarge St. Sewer District, involving: 752 ft. type D house connections; sanitary sewer complete; 3512 ft. type B house connections; 92.5 vertical ft. chimney pipe, type D; 12 vertical chimney pipe, type B; resurfacing, etc.

ANAHEIM, Orange Co., Cal.—Until 8 P. M., Jan. 12, bids will be received by city council for furnishing approximately 30 tons of chlorine gas in one-ton containers, under a purchase agreement to run until Jan. 1, 1932. The chlorine is for use at various locations along the Orange joint outfall sewer. Certified check, 10%. Edw. B. Merritt, city clerk.

SIGNAL HILL, Los Angeles Co., Cal.—J. D. Sherer & Son, 1855 E. Anaheim St., Long Beach, submitted low bid at \$28,820 to city council for furnishing material and constructing a treatment plant in connection with the Signal Hill sewer system. The complete total bids were as follows:

J. D. Sherer & Son.....	\$33,950
M. A. and P. R. Hughes.....	34,500
J. B. Gill Corp., Ltd.....	35,678
Sved Const. Co.....	36,784
Floyd Shofner.....	36,869
Myers Brothers.....	36,991
Marke-Matic.....	37,310
Associated Piping & Eng. Co.....	38,561
Oberg Brothers.....	38,800
Martler & Beck, Ltd.....	39,087
Christian Fischer.....	40,696
H. A. Teget.....	41,300
Herbert M. Baruch Corp., Ltd.....	43,256

Plans were prepared by the Currie Eng. Co., Anderson Bldg., San Bernardino. The sewage disposal and treatment plant will be of the Imhoff tank type with trickling filter and a sludge bed of approximately 3000 sq. ft. area. The tank will have a diameter of 26 ft., the filter bed a diameter of 90 ft., with a second tank of 30 ft. diameter. The sludge bed is 50x60-ft. Construction of about four miles of 20-in. water pipe lines, has been respecified by the city council and revised plans and specifications ordered. A new date will not be set until after the revised plans have been submitted to the council by W. V. Compton, Water Superintendent. The date previously set was Dec. 28.

MISCELLANEOUS CONSTRUCTION

FRESNO, Fresno Co., Calif.—Until January 5, 2 P. M., bids will be received by D. M. Barnwell, county clerk to construct a service pipe tunnel at the Fresno County General Hospital, involving:

- (1) 350 cu. yds. earth excavation;
- (2) 87 cu. yds. reinforced concrete;
- (3) 2 reinforced conc. manholes with covers;
- (4) 1 electric light system in conduit with 5 lamp sockets, plug receptacles and 100 watt lamps.

Certified check or bidder's bond 10% payable to County of Fresno required with bid. Plans obtainable from the County Engineer, Chris P. Jensen, 231 Holland Bldg., Fresno. Construction is to be completed before Feb. 15, 1932.

WATERWORKS

SAN FRANCISCO.—Until Dec. 28, 3 P. M., under Proposal No. 739, bids will be received by Leonard S. Leavitt, city purchasing agent, 270 City Hall, to furnish concrete meter boxes, lids and covers for the San Francisco Water Department. Specifications obtainable from above.

LONG BEACH, Cal.—U. S. Pipe & Foundry Co. was awarded contract by city council at \$24,733.44 for furnishing 10,848 ft. of 24-in. class A cast iron water pipe.

LOS ANGELES, Cal.—Until 12 M. Dec. 24, bids will be received by the county purchasing agent, H. E. Russell, 1500 N. Spring St., for furnishing one 1000-gal. galvanized iron barrel tank 12 ft. high under Spec. No. 2239.

SAN DIEGO, Cal.—The \$300,000 bond issue for public works construction carried at the special election Dec. 15. Included in the items proposed are:

Construction of recreation area and facilities in northeast corner of Balboa Park, said area being bounded by Palm St., Upas St., Alabama St. and 28th St., including construction of swimming pool, tennis courts, roque

courts, baseball fields, basketball courts, shuffle board courts, horseshoe pitching lanes, field house containing restaurants and other furniture, and children's playgrounds, \$65,100.

Construction of regulation standard 18-hole, all-grass golf course in Balboa Park, \$100,000.

Grading of an east-and-west road in Balboa Park, connecting 12th Avenue and Pershing Drive, \$27,300.

Construction of levee wall and appurtenances on tidelands in vicinity of the end of Beardsley St. to be operated by the playground department, \$5,000.

Construction of vehicle parking area in Balboa Park near the Avenue, \$5,000.

OAKLAND, Calif.—John Kristich, Knightsen, at \$2640, submitted low bid to East Bay Municipal Utility District to furnish 600 lin. ft. 36-in. reinforced concrete pipe for the wastewater of Lafayette Reservoir. Complete bids follow:

John Kristich, Knightsen.....\$2640

W. V. Bernard, Oakland.....2832

American Concrete & Steel Pipe Co., South Gate.....2970

SIGNAL HILL, Los Angeles Co., Cal.—A call for bids for the construction of about four miles of 20-in. water pipe lines, has been respecified by the city council and revised plans and specifications ordered. A new date will not be set until after the revised plans have been submitted to the council by W. V. Compton, Water Superintendent. The date previously set was Dec. 28.

LOS ANGELES, Cal.—Until 10 A. M., Dec. 23 (time extended from Dec. 21), new bids will be received by county supervisors for driving out-let tunnel for San Gabriel Dam No. 2, approximately 1000 lin. ft. of 16-ft. diameter tunnel. Plans have been prepared by E. C. Eaton, chief engineer, Los Angeles County Flood Control District. The quantities are:

- (1) 6000 cu. yds. driving of untimbered tunnel complete;
- (2) 400 cu. yds. driving of timbered tunnel complete, including all costs of timbering;
- (3) 3400 cu. yds. excavation for open cut approaches at portals of tunnel.

All bids received Nov. 23 were rejected by the Board Dec. 11. Mamie B. Beatty, 303 Hall of Records, Clerk of the Board.

PASCO, Wash.—Until December 28, 8 P. M., bids will be received by city council to furnish:

- 1 3546 ft. 6-in. c. i. pipe;
- 1 10-in. by 10-in. c. i. tee;
- 2 10-in. 90 deg. c. i. bends;
- 4 6-in. 22½ deg. c. i. bends.

Bids will be received on open bell, precast joints to be poured with bit. lead, pipe and fittings are to be coated inside and out with coal tar pitch varnish.

LOS ANGELES, Cal.—Western Pipe and Steel Co., 5717 Santa Fe Ave., at \$52,180, under Specification No. 24 awarded contract by city engineer to agent to furnish:

- (1) approximately 2,900 lin. ft. 42-in. inside dia. welded steel water pipe;
- (2) approximately 6,800 lin. ft. 30-in. inside diameter.

SACRAMENTO, Calif.—The Sacramento Municipal Utility District, by vote of 13,687 in favor and 1,571 against, defeated the proposal to issue bonds of \$12,000,000 to finance construction of the Silver Creek project to provide Sacramento with a mountain water supply system having a capacity of 70,000,000-gallons per day. Of the total amount of money pro-

vided in the issue, \$10,000,000 was to be used in connection with the water project proper and \$1,000,000 for special conduits to furnish water to the Pacific Gas and Electric Co. powerhouse. The power company was to construct the powerhouse at a cost of \$2,500,000. Albert Glavin is chief engineer for the district.

ALAMEDA, Alameda Co., Calif.—Santa Fe Pipe & Supply Co., 2451 E 15th St., Los Angeles, at \$2,845.80 submitted low bid to U. S. Bureau of Public Roads, 461 Market St., San Francisco, to supply approximately 6,200 lin. ft. of 6-in. standard weight black steel pipe required in the construction of Unit No. 5, Government Island Project at Alameda. Complete bids follow:

(A) f.o.b. Eastern factory; (B) total; (C) f.o.b. Government Island, rail; (D) total; (E) f.o.b. Government Island, rail and water; (F) total.

Santa Fe Pipe & Supply Co., Los Angeles, (A) \$.4590 (B) \$2,845.80 (C) \$.5850 (D) \$3,027.00 (E) (F)

Pacific Coast Steel Co., San Francisco, (A) \$.5495 (B) \$3,406.90 (C)....; (D).... (E) \$.6770 (F) \$4,197.40.

Richmond Sanitary Co., San Francisco, (A) \$.5495 (B) \$3,406.90 (C).... (D)....; (E) \$.6770 (F) \$4,197.40.

Grinnell Co., San Francisco, (A) \$.5495 (B) \$3,406.90 (C).... (D).... (E) \$.6770 (F) \$4,197.40.

Dunham, Carrigan & Hayden, San Francisco, (A) \$.5495 (B) \$3,406.90 (C) \$.7669 (D) \$4,754.78 (E) \$.6770 (F) \$4,197.40.

Tray, Holbrook, San Francisco (A) \$.5495 (B) \$3,406.90 (C).... (D).... (E) \$.6770 (F) \$4,197.40.

Baker-Hamilton-Pacific, San Francisco (A) \$.5495 (B) \$3,406.90 (C) \$.7669 (D) \$4,754.78 (E) \$.6770 (F) \$4,197.40.

C. G. Claussen Co., San Francisco, (A) \$.5495 (B) \$3,406.90 (C).... (D).... (E) \$.6770 (F) \$4,197.40.

Petroleum Equip., San Francisco, (A) \$.5495 (B) \$3,406.90 (C).... (D).... (E) \$.6770 (F) \$4,197.40.

Federal Pipe & Supply Co., S. F., (A) \$.5495 (B) \$3,406.90 (C) \$.7669 (D) \$4,754.78 (E) \$.6770 (F) \$4,197.40.

Pacific Pipe Line Co., San Francisco (A) \$.5495 (B) \$3,406.90 (C) \$.7669 (D) \$4,754.78 (E) \$.6770 (F) \$4,197.40.

Crane Co., San Francisco (A) \$.5495 (B) \$3,406.90 (C) \$.7669 (D) \$4,754.78 (E) (F)

Columbia Steel, San Francisco (A) \$.5495 (B) \$3,406.90 (C) \$.7669 (D) \$4,754.78 (E) \$.6770 (F) \$4,197.40.

P. E. O'Hair & Co., San Francisco (A) \$.5495 (B) \$3,406.90 (C) \$.7669 (D) \$4,754.78 (E) \$.6770 (F) \$4,197.40.

P. E. O'Hair & Co., San Francisco (A) \$.5023 (B) \$3,142.25 (C) \$.7169 (D) \$4,461.00 (E) \$.8235 (F) \$.9304.75.

Standard Supply Co., San Francisco (A) \$.6922 (B) \$4,290.64 (C).... (D).... (E) \$.7780 (F) \$4,823.60.

All bids referred to Washington, D. C. for award. Contract will be awarded in approximately three weeks.

EL CENTRO, Imperial Co., Cal.—Until 7:30 p. m., Jan. 6, bids will be received by city council for furnishing cast iron pipe as follows: (1) 3000 ft. 4-in. class "B" bell and spigot cast iron pipe in 12-ft. lengths, or the equivalent thereof in other types of cast iron pipe. Bidders at requested to submit bids on such pipe from foundry or from Coast Stock F. O. B. El Centro, together with an estimate of the time within which delivery can be made in El Centro from Coast Stock, or from foundry.

Certified check or bond, 10%. J. C. Neale, city clerk.

OAKLAND, Calif.—California Steel Products Co., 452 Bay St., San Francisco, at \$992 awarded contract by

East Bay Municipal Utility District to furnish and install a 25,000-gallon capacity steel wash water tank for the Grant Miller Filter Plant.

SAN FRANCISCO.—Federal Pipe & Supply Co., 670 Second St., awarded contract by City Purchasing Agent to furnish and deliver steel pipe for the San Francisco Water Department, under Proposal No. 777, as follows:

1,000 feet, ½-inch, \$4.83 per 100 ft.
25,000 feet ¾-inch, \$5.90;
3,000 feet, 1-inch, \$8.41;
5,000 feet, 1½-inch, \$13.60;
5,000 feet, 2-inch, \$18.30.

Above to be standard weight galvanized wrought steel pipe, in random lengths, threaded and coupled; for mill shipment, f.o.b. 639 Bryant St., San Francisco.

LOS ANGELES, Cal.—Until 12 M., Dec. 22, bids will be received by the county purchasing agent, H. E. Russell, 132 N. Broadway, for furnishing cast iron and brass fire hydrants under specification No. 2271.

SALEM, Oregon.—City authorizes issuance of bonds in the sum of \$2,500,000 to finance acquisition and construction of a municipal water system. City council will have the privately owned water system appraised and will make offer to purchase same to operate as a municipal project. If the offer is not accepted the city may start condemnation proceedings or build an entirely new system. Barr and Cunningham, consulting engineers Spalding Bldg., Portland, Ore., handled the preliminaries in connection with the bond issue.

SACRAMENTO, Cal.—Until Dec. 28, 3 P. M., under Order No. 4023, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish f.o.b. trucks or railroad cars at Marysville, Yuba County:

(1) 80 lin. ft. 12-gauge corrugated galvanized iron culvert pipe, 36-inch dia., to be made up in 4 sections, each 20 ft. long.

(2) 4 12-gauge, corrugated galvanized iron coupling bands to fit 36-inch dia. pipe of Item 1. Each band to be 12½-in. wide and complete with bolts, etc.

(3) 2 cast iron, automatic drainage gates with balanced shutter for 36-in. dia. pipe of Item 1, complete and assembled to one end of 2 sections of the pipe of Item 1. These gates shall be similar and equal to "Calco" automatic drainage gate, model 100. Price bid to include cost of assembly to pipe.

PLAYGROUNDS & PARKS

SANTA CRUZ, Santa Cruz Co., Cal.—City council has purchased a 5½-acre site in Water Street which will be improved for a public recreation field. A 2,000-seat baseball grandstand will be erected and the latest type of athletic field equipment will be installed.

STREETS AND HIGHWAYS

SAN JOAQUIN COUNTY, Calif.—Herrahan Co., Holbert Building, San Francisco, at \$136,806, awarded contract by State Highway Commission to grade and pave with asphaltic concrete 8.4 miles between 4.5 miles east of Lodi and 1.8 miles east of Clements. Complete bids published in issue of December 17.

SACRAMENTO, Calif.—City council declared intention (2313) to improve Larkin Way and Caramay Way from Land Park Drive to east boundary of "Carly Park" and Marty Way from

north line of "Carly Park" to south line of "Carly Park," involving concrete curbs, gutters, walks; vit. sewers; reconstruct manholes; grading; pave with 1-inch gravel base with 4-in. asphalt, conc. surface and installation of street lighting system. Bond Act 1915. Hearing January 7. H. G. Denton, city clerk. Bayliss C. Clark, city engineer.

OAKLAND, Calif.—City council has over-ruled all protests against the Grand Avenue extension and has ordered the work put under way. The cost is estimated at \$633,000. The project calls for the extension of Grand Avenue from Broadway to Telegraph Avenue and involves the condemnation and razing of the Key Route Inn and other property to clear the way for the new street. Walter N. Frickstad is city engineer.

STOCKTON, San Joaquin Co., Cal.—Until January 11, 11 A. M., bids will be received by Eugene D. Graham, county clerk, for improving Stark Road, from Mueller Road to Tracy Island Road, involving:

(1) 3600 cu. yds. grading;
(2) 2600 tons base course;
(3) 235 tons crushed rock;
(4) 105 tons rock chips;
(5) 85 tons pea gravel;
(6) 66 barrels fuel oil;
(7) 25 tons asphaltic oil.

Certified check or surety bond of 10% payable to Chairman of the Board of Supervisors required with bid. Plans obtainable from Julius Manthey, County Surveyor.

SAN DIEGO COUNTY, Cal.—Until December 30, 2 P. M., bids will be received by S. V. Cortelyou, district engineer, State Highway Commission, 111 Associated Realty Bldg., Los Angeles, for the widening of about 0.3 miles of highway embankment in San Diego County, between Carlsbad and Oceanside. Plans obtainable from district engineer.

SANTA BARBARA, Cal.—Hearing on the improvement of Mission St., Robbins St., Chino St. and Gillespie, about 23 blocks, has been continued until January 28. The proposed improvements will consist of cement concrete pavement, curb, walk, water mains, sewer. The estimated cost, as prepared by E. B. Brown, city engineer, is \$72,000.

ARIZONA STATE.—C. G. Willis & Son, 2119 E 25th St., Los Angeles, awarded contract by State Highway Commission at \$87,702.78, for highway construction on the Benson-Douglas Highway F. A. 79-G, Schedule 2. The work, which begins at a point approximately ¾ miles northwest of the city limits of Bisbee, and extends southeasterly toward Phebe about 2½ miles to the Mule Pass Summit, consists of the grading, draining, and placing of subgrade stabilizer.

SUNNYVALE, Santa Clara Co., Cal.—As previously reported, Jack Casson, Hayward, at \$123,534.40 submitted low bid Dec. 16, under Specification No. 6704, to the Bureau of Yards and Docks, Navy Department, Washington, D. C., for grading and graveling and oil treating an existing road at the Naval Air Station at Sunnyvale. A complete list of the bids follows:

Jack Casson, Hayward.....	\$12,534
S. F. Const. Co., San Francisco.....	14,686
Harms Bros., Galt.....	14,700
J. H. Quimby, San Jose.....	14,900
Marshall & Cushing, Richmond.....	15,487
O. V. Freeman, Palo Alto.....	19,748
Granite Const. Co., Ltd., Watsonville.....	21,997
O. G. Ritchie, San Jose.....	24,600

Wm. MacDonald Const. Co., St.
Louis, Mo. _____ 25,800

SANTA BARBARA, Calif.—Western Motor Transfer Co., 116 State St., at \$2,820.13 awarded contract by the city council to improve W. Sola St. bet. Castillo and Euclid Ave. Complete list of bids follows:

(A) Western Motor Transfer...\$2820.13
(B) C. T. Richardson...2385.16
(C) Sam Hunter & Son...3060.29
(D) Santa Maria Const. Co...3095.81
(E) Jas. T. Conwall...3107.05

Unit bids follow:
(1) 258.6 cu. yds. excavation;
(2) 10,878.6 sq. ft. 7-5-5-7-in. concrete paving;

(3) 56.3 ft. curb;
(4) 2338.05 sq. ft. cement gutter.

	(1)	(2)	(3)	(4)
(A)	\$21	\$.75	\$.21	\$.15
(B) .....	.22	.80	.21	.40
(C) .....	.23	.70	.22	.30
(D) .....	.225	1.00	.25	.50
(E) .....	.23	.70	.24	.30

SAN FRANCISCO—Bureau of Engineering, Department of Public Works, 3rd floor, City Hall, has completed plans for the following projects:

Thirty-third Avenue between Rivera and Santiago Sts.; estimated cost, \$1,400. Project involves:

(1) 138 ft. concrete curb;
(2) 20 ft. 6-in. V. C. P. side sewer;
(3) 2,755 sq. ft. asphalt. conc. pavement.
Curb and Rivera and Jarboe Ave.; estimated cost, \$750. Project involves:
(1) 250 cu. yds. excavation;
(2) 56 lin. ft. curb;
(3) 211 sq. ft. 1-course concrete side-walks;
(4) 1,762 sq. ft. asphalt. conc. pavement.
Sewer in Peabody St. south from Sunnydale Ave.; estimated cost, \$1170. Project involves:

(1) 256 ft. 8-in. V. C. P. sewer;
(4) 14 8x6-in. Y or T branches;
(3) 72 ft. 6-in. V. C. P. side sewers;
(4) 1 brick manhole.

SAN FRANCISCO—Until Dec. 30, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to improve west one-half of 26th Ave. bet. Quintara and Rivera Sts., involving:

(1) 694 ft. unarmored concrete curb;
(2) 660 sq. ft. 1-course concrete curb;
(3) 2 brick catchbasins;
(4) 70 ft. 10-in. V. C. P. culverts;
(5) 16,893 sq. ft. asphalt. conc. pave.

Certified check 10% payable to clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineering, 3rd floor, City Hall.

YUBA CITY, Sutter Co., Cal.—City council has taken under advisement the bids of J. V. Galbraith, Petaluma, to widen and improve Plumas Street. All other bids have been rejected. The contract will be awarded to Galbraith when all rights of way have been secured. Complete list of unit bids published in issue of December 10.

SAN LEANDRO, Alameda Co., Cal.—E. B. Lee, 1059 Carpenter St., San Leandro, at \$73 per cu. yd., awarded contract by city council to furnish and roll 4800 cu. yds. rock on Park Street between Northwestern line of Davis St. and northwestern boundary line of city. Rock to be spread over entire roadway 60 ft. wide and 4 in. thick after rolling. Complete bids follow:

U. B. Lee, San Leandro...\$73
Lee J. Immel, Berkeley...38
Heafey-Moore, Oakland...34½

ARIZONA STATE—C. G. Willis & Son, 2119 E. 25th St., Los Angeles, submitted the low bid to State Highway Commission at \$87,702.78, for highway construction on the Benson-

Douglas Highway, P. A. 79-G, Schedule 2. The work, which begins at a point approximately 3½ miles northwest of the City Limits of Bisbee, and extends southeasterly toward Bisbee about 2½ miles to the Mule Pass Summit, consists of the grading, and placing of subgrade stabilizer.

SAN FRANCISCO—Bids will be asked shortly by the Constructing Quartermaster, Fort Mason, for service road and sidewalk for seven sets of double officers' quarters at the Presidio.

OAKLAND, Calif.—C. H. Wheeler, Sharon Bldg., San Francisco, at \$530 submitted low bid to city council to furnish and install apparatus to reclaim crank case oil. Complete bids follow:

C. H. Wheeler, San Francisco...\$530.00
Oliver United Filt'r Co., Oakland...555.00
Wm. Moon Co., Oakland...597.50
Sklinner Motor Company...675.00
Johnson Jennings...680.00

EUREKA, Humboldt Co., Cal.—Mercer-Fraser Co., Eureka, at \$1.83 cu. yd., awarded contract by city council to furnish city with gravel for year 1932.

BEVERLY HILLS, Los Angeles Co., Cal.—Until 8 P. M., Jan. 5, bids will be received by city council to improve Santa Monica Blvd. (north roadway), Linden Drive, Roxbury Drive, and other streets. Cash Contract. Project involves:

(1) 57,282 sq. ft. grading;
(2) 22,199.6 sq. ft. pavement (5-inch asphalt. conc. base with 2-in. asphalt. conc. (Topeka) wearing surface);
(3) 15,650.2 sq. ft. gutter (8-in. conc.);
(4) 327.1 ft. curb (Class B 6-in. x 9-in. x 15-in.);
(5) 4127.1 sq. ft. sidewalk (3½-in.).

W. R. Metz is the city engineer for this work. No bids were submitted under the last call.

WHITTIER, Los Angeles Co., Cal.—Until 9 A. M., Dec. 29, bids will be received by the city council for repairs and maintenance work on city streets, involving:

(1) 50,000 sq. ft. 6-in. concrete gutter;
(2) 5000 sq. ft. curb;
(3) 100,000 sq. ft. rock and oil resurf.;
(4) 75 cu. yds. reinf. concrete in culverts and catchbasins.

The estimate of cost is \$25,000.

Plans and specifications obtainable from M. R. Bowen, street superintendent, 205 N. Greenleaf Ave., Whittier. Certified check or surety company bond, 10%. Debbie E. Allen, city clerk.

To Edwin W. Rice, Jr., conspicuous electrical pioneer and one of the founders of the General Electric Company, has been awarded the Edison medal of the American Institute of Electrical Engineers for 1931. The citation accompanying the award reads: "for his contributions to the development of electrical systems and apparatus and his encouragement of the scientific research in industry. The presentation of the medal will take place January 27 in New York.

The award constitutes one more episode in a long career of engineering and executive achievement, which includes a term of nine years as president of General Electric and the post which he now holds, of honorary chairman of its board. The citation in its wording particularly recognizes Mr. Rice's foresight and courage in recommending, in 1900, that the General Electric Company establish a scientific research laboratory. This was done that year, and became the first such laboratory in American industry.

This citation also has reference to such outstanding accomplishments as the introduction of electric systems, the development of the high-capacity oil switch or circuit breaker, and the policy of advancement which headed off toward the steam turbine in the days of the machine's infancy.

Mr. Rice went into the electrical industry when both he and it were young. It was in 1889, just after he had been graduated from the Boys' Central High School of Philadelphia at the age of eighteen, that he accepted an opportunity to become assistant to Professor Elihu Thomson, the great arc-light and alternating-current pioneer, and went with Professor Thomson to New Britain, Conn.

The two constituted the entire technical staff of the American Electric Company. Arc lights, the first commercial usage of electricity as derived from dynamo machines, were then just beginning to appear in scattered places about the country. There were no commercial incandescent lighting systems whatever, and no electric motors in commercial use.

Professor Thomson and Mr. Rice stayed together from that time to this. In 1883 they went to Lynn, Mass., when the Thomson-Houston Electric Company was formed, and Mr. Rice, at the age of twenty-one, became plant superintendent. In 1892, when General Electric was organized, he was made chief engineer and technical director, eventually becoming senior vice president, and serving as president from 1913 to 1922. He succeeded the late Charles A. Coffin, the company's first president.

It was Mr. Rice who was chiefly responsible for the establishment of the now famous General Electric research laboratory, officially recommending that step to the board of directors. It was he, also who encouraged the investigation by the company of the Curtis steam turbine and who gave the turbine a fair trial through a period of uncertainty until he saw it become the foundation of a vast modern development of electric power systems. Mr. Rice was largely instrumental in adding to the company's technical staff the late Charles P. Steinmetz, noted mathematician.

Throughout his executive service with General Electric, he promoted plans seeking to better the welfare of the employees. He brought about the inception of a number of such enterprises and practically created the company's policy of employee representation and of recognition of the shop workers' part in the success of the corporation.

Mr. Rice has won many honors and has been active in a number of organizations. As an inventor he holds more than one hundred American patents. His home since 184 has been in Schenectady, where the company's headquarters is located.

All speed limits for elevators are eliminated in a new national elevator safety code announced by the American Standards Association.

Approval of the code followed nearly four years of research at the United States Bureau of Standards and extensive investigation by architectural, engineering, governmental and other organizations.

The code also permits the operation of more than one elevator in a shaft. It provides for two-story cars in the same shafts and makes further provision for a new type of express-local system.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
1251	Hammond	Owner	4000
1252	Ferrari	McFarland	1000
1253	Podesta	Foliatti	1400
1254	Standard	Lindgren	5000
1255	McDermott	Thulin	1500
1256	Osborn	Hanson	1600
1257	Johnson	Johnson	3300
1258	Hegelson	California	3250
1259	Fuchs	owner	1000
1260	Casenelli	Owner	1500
1261	Nelson	Owner	8000
1262	Peterson	Hannah	14000
1263	Rogers	Owner	8000
1266	Brinegar	Owner	2000
1267	Johnson	Owner	6000
1268	Doelger	Owner	11250
1269	Doelger	Owner	20000

DWELLING

(1251) SE EIGHTEENTH AVE AND Ulloa St. One-story and basement frame dwelling.
Owner—L. B. Hammond, 520 Vicente St., San Francisco.
Architect—Not Given. \$4000

ADDITION

(1252) SE UNION ST. AND GRANT Ave. Addition to shop.
Owner—A. Ferrari, 927 Utah St., San Francisco.
Plans by Contractor.
Contractor—J. McFarland, 291 27th Ave., San Francisco. \$1000

ALTERATIONS

(1253) NO. 1710 SACRAMENTO ST. Alter store.
Owner—A. Podesta, 1234 Jones St., San Francisco.
Architect—E. W. Dakin, 625 Market St., San Francisco.
Contractor—R. Foliatti, 949 Filbert St., San Francisco. \$1400

ALTERATIONS

(1254) NW BUSH AND SANSOME. Alter offices.
Owner—Standard Oil Co. of Calif., 225 Bush St., San Francisco.
Architect—G. W. Kelham, 315 Montgomery St., San Francisco.
Contractor—Lindgren & Swinerton, 225 Bush St., \$5000

REPAIRS

(1255) NO. 1227-29 SEVENTH AVE. Repair fire damage to flats.
Owner—G. A. McDermott, % 60 Brady St., San Francisco.
Architect—Not Given.
Contractor—A. Thulin, 60 Brady St., San Francisco. \$1500

REPAIRS

(1256) NO. 444 SANSOME ST. Repair fire damage to shop.
Owner—E. T. Osborn, 519 California St., San Francisco.
Architect—Not Given.
Contractor—L. A. Hinson, 756 Fourth Ave., San Francisco. \$1600

DWELLING

(1257) E HARVARD 100 S Silliman; one-story and basement frame dwelling.
Owner—M. and S. E. Johnson, 2 Cortes.
Plans by Contractor.

Contractor—A. Johnson, 348 Scott St. \$3300

DWELLING

(1258) E 23rd AVE 150 S Kirkham; 1-story and basement frame dwelling.
Owner—R. A. Hegelson, 1233 16th Ave. Architect—Not Given.
Contractor—California Concrete Co., 1632 Steiner St. \$3250

ADDITION

(1259) N BENTON 50 W Porter; addition to dwelling.
Owner—K. Fuchs, 70 Porter. Architect—Not Given. \$1000

ADDITION

(1260) 1940 FOLSOM ST.; addition to shop.
Owner—S. Casenelli, 2940 Folsom St. Architect—R. R. Irvine, Call Bldg. \$1500

DWELLINGS

(1261) E 22nd AVE 97 S Sloat Blvd; two 1-story and basement frame dwellings.
Owner—F. Nelson & Sons, 2919 19th Avenue. Plans by Owner. each \$4000

REPAIRS

(1262) 26 CHATHAM PLACE; repair fire damage to hotel.
Owner—A. Peterson, 26 Chatham Pl. Architect—Not Given.
Contractor—J. D. Hannah, 251 Kearny Street. \$14,000

DWELLINGS

(1263) E 19th AVE 100 N Vicente; two 1-story and basement frame dwellings.
Owner—J. W. Rogers, 1695 21st Ave. Plans by Owner. each \$4000
1264 Costello Owner 6000
1265 Wight Standard 4000

DWELLINGS

(1264) E 32nd AVE. 175 S Lawton; two 1-story and basement frame dwellings.
Owner—L. Costello, 382 27th Ave. Plans by Owner. each \$3000

DWELLING

(1265) SW CORNER 15th AVENUE and Vicente; one-story and basement frame dwelling.
Owner—S. A. Wight, 218 Castenada Avenue. Plans by Owner.
Contractor—Standard Bldg. Co., 218 Castenada Ave. \$4000

REPAIRS

(1266) SE JACKSON AND PRESIDIO Ave. Repair fire damage to dwelling.
Owner—E. P. Brinegar, 104 Presidio Ave., San Francisco.
Architect—E. E. Young, 2002 California St., San Francisco. \$2000

DWELLINGS

(1267) E EIGHTEENTH AVE 25 S Vicente. Two one-story and basement frame dwellings.
Owner—S. F. Johnson, 2601 17th Ave., San Francisco.
Architect—C. F. Strothoff, 2274 15th St., San Francisco. \$3000 each

DWELLINGS

(1268) W TWENTY-FIFTH AVE 93 N Noriega. Three one-story and basement frame dwellings.
Owner—H. Doelger, 300 Judah St., San Francisco. \$3750 each
Plans by Owner.

DWELLINGS

(1269) W THIRTY-FIRST AVE 180 S Lawton. Five one-story and basement frame dwellings.
Owner—H. Doelger, 300 Judah St., San Francisco. \$4000 each
Plans by Owner.

BUILDING CONTRACTS

San Francisco County

No.	Owner	Contractor	Amt.
290	Fentrier	Doelger	4500
293	On	Coburn	9850
294	Vannucci	Franceschi	11400

BUNGALOW

(290) E SEVENTH AVE. 25 S Cabrillo Ave. S 25 x E 80; all work on 5-room bungalow.
Owner—Eile and Marie Fentrier. Architect—Not Given.
Contractor—Henry Doelger, 300 Judah Street.

Filed Dec. 18, '31. Dated Dec. 14, '31.
Roof on \$1125
Plaster on 1125
Completed 1125
Usual 35 days 1125
TOTAL COST, \$4500

Limit, 90 days.
291 Nelson Doelger 13650
292 Peterson Hannah 17500

BUNGALOWS

(291). PTNS OF LOTS 28, 29 and 30 Blk 3376 Map Mt Davidson Manor more particularly desc'd as follows:
S Upland Drive dist E 28 from W line Lot 28 E 39 S 84-79 to pt on S line Lot 29, dist E 18-481 from W line said Lot 29 W 43-481 m or 1 to pt dist E 30 from W line said Lot 23 N 80 m or 1 to beg. S Upland Drive dist E 17 from W line Lot 29 E 39 S 86 to pt on S line said Lot 30 dist 3 E from W line said Lot 30 W 44 m or 1 N 84-79 m or 1 to beg. S Upland Drive dist E 6 from W line Lot 30 E 39 S 77-285 W 47 N 86 m or 1 to beg. general contract to erect three bungalows.

Owner—Martin Nelson, 2947 Amry St. Architect—Not Given.
Contractor—Henry Doelger, 300 Judah Street.

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - California

Filed Dec. 19, '31. Dated Oct. 1, '31.
 Roofs on \$3,412.50
 Brown coated 3,412.50
 Buildings completed 3,412.50
 Usual 35 days 3,412.50
TOTAL COST, \$13,650.00
 Limit, 90 days.

RECONSTRUCTION

(292) E CHATHAM PLACE 70 North
 Bush St N 43-9 x E 60; reconstruction
 of No. 26 Chatham Place.
 Owner—August Peterson, premises.
 Architect—B. K. Dobkowitz, 525 Mont-
 rey Blvd.
 Contractor—J. D. Hannah, 251 Kearny
 Street.

Filed Dec. 19, '31. Dated Dec. 17, '31.
 1st of each month 75%
 Usual 35 days 25%
TOTAL COST, \$17,500
 Bond, \$17,500. Sureties, U. S. Fidelity
 & Guaranty Co. Limit, 75 days. Plans
 and Spec. filed.

ALTERATIONS

(293) SW WASHINGTON and Stock-
 ton S 137-6 W 72-4 1/2 N 190-1 1/2
 W 3-7 N 11-5 E 3-7 N 26-0 1/2 E
 0-7 N 32-4 W 1-6 1/2 N 48-7 E 73-
 4 1/2 50 VB 136; alteration and con-
 struction of 16 apartments on 2nd
 floor of building known as SW cor
 Washington and Stockton Sts.
 Owner—Lee Lun On.
 Architect—F. W. Dakin, 625 Market
 Street.

Contractor—Ira W. Coburn, 2048 Mar-
 ket Street.

Filed Dec. 21, '31. Dated Dec. 21, '31.
 Carpentry work completed.....\$2,462.50
 Brown coated 2,462.50
 Completed 2,462.50
 Usual 35 days..... 2,462.50
TOTAL COST, \$9,850

Forfeit, \$5 per day. Limit, six weeks.
 Plans and Spec. filed.

BUILDING

(294) E LEAVENWORTH 45-6 S Fil-
 bert S 42xE 62-6; all work for erec-
 tion and completion of 2-story and
 basement frame building.

Owner—L. Vannucci.
 Architect—Chas. Fantoni, 550 Mont-
 gomery St.

Contractor—Louis Franceschi, 1990
 Beach Street.

Filed Dec. 21, '31. Dated Dec. 20, '31.
 Inclosed and roofed.....\$2,850
 Brown coated 2,850
 Completed and accepted..... 2,850
 Usual 35 days..... 2,850
TOTAL COST, \$11,400

Bond, \$5,800. Sureties, G. Martinez, J.
 Carrasco. Forfeit, \$10 per day. Limit,
 90 days. Plans and Spec. filed.

COMPLETION NOTICES

San Francisco County

Recorded Accepted

Dec 21, 1931—LOT 10 BLK 2499-A
 map Pinelake Pk Su No 1. Car-
 lton V and Carrie M Lane to whom
 it may concern.....December 18, 1931
 Dec 21, 1931—SW LAMARTINE 150
 N 34yuga Ave. Wm E and J G
 Grossman to whom it may concern.....
 December 21, 1931
 Dec 21, 1931—SW ONEIDA AVE 106-
 882 SE San Jose Ave 347 Oneida
 SW Oneida Ave 132-882 SE San
 Jose Ave, 341 Oneida Ave. Thos J
 Sullivan to whom it may concern.....
 December 21, 1931
 Dec 21, 1931—W HARVARD 125 N
 Silliman 25x100. James and Mary
 P Keeley to N P Nelson.....
 December 21, 1931
 Dec 19, 1931—E SCOTT 125 N Lom-
 bard N 25 x E 110 WA 415. M
 Gross to H O Linderman Ltd.....
 December 21, 1931
 Dec 19, 1931—NW SALA TERRACE
 and Ellington, No 2 Sala Terrace.
 Alfred H Ohlsen to whom it may
 concern.....December 19, 1931

Dec 19, 1931—NE CHESTNUT AND
 Pierce E 59-285 x N 75. Harry J
 Oser to Schultz Const Co.....

.....December 18, 1931

Dec 19, 1931—W 23rd AVE 125 N
 Lawton N 50 x W 120 OL 801.
 Wm Hry Inv Co, Ltd to Marian
 Realty Co, Ltd.....Dec 19, 1931

Dec 19, 1931—E 21st AVE 125 North
 Noriega N 25 x E 120 OL 880. Hel-
 en B and Leonard Grant to Henry
 Doelger.....November 14, 1931

Dec 18, 1931—N Cabrillo 90 W 31st
 Ave W 55 x N 100. Bryan Peerick
 to whom it may concern.....

.....December 18, 1931

Dec 18, 1931—SW GEARY and Mar-
 son W 40 x S 100 50 VB 196. Mar-
 quard Catering Co to Home Mfg
 Co.....December 8, 1931

Dec 17, 1931—SW PARADISE AVE
 189-94 SE Elk SE 31-36 S 41 deg
 37 min 04 sec W 100-61 to NE line
 Elk Q 2nd Addn to Glen Park Ter-
 race N 61 deg 11 min 56 sec E

W 16-67 N 32 deg 17 min 14 sec E
 105-25 to beg. Fred Slepniokoff to
 whom it may concern.....

.....December 17, 1931

Dec 17, 1931—625 CENTRAL AVE.
 N A von Schmidt to J D Wood-
 sid.....November 19, 1931

Dec 17, 1931—S TARAVAL 82-6 W
 31st Ave 25x100 A M Tadwich to
 James P Fletcher.....

.....December 8, 1931

Dec 17, 1931—PTNS LOTS 12 and 13
 Blk 25 St Francis Wood Exten No
 2 desc'd: W boundary line San Pablo
 Ave dist N 17-56 from pt inter of

W bdy line San Pablo Ave with
 dividing line bet lots 12 and 13 blk
 25 to 4 deg 15 min 48 sec W 104-
 49 S 08 deg 57 min E 17-72 N 31

deg 33 min 32 sec E 24-20 N 80
 deg 58 min 48 sec E 95 N 40 to beg.
 Mable Ahrens to Wm Martin.....

.....December 10, 1931

Dec 17, 1931—N SANTIAGO 57-6 E
 22nd Ave E 25x100. P M Stuch to
 whom it may concern.....Dec 15, 1931

Dec 17, 1931—371 to 381 and 383 to
 391A San Jose Ave. D Herzberg
 & Son to T J Martin.....Dec 15, 1931

Dec 17, 1931—SW PARADISE AVE
 156-61 SE Elk SE 33-33 S 32 deg
 17 min 14 sec W 175-25 to NE line

Elk Q 2nd Addn to Glen Park Ter-
 race N 10 deg 35 min 56 sec W
 132-19 N 19 deg 24 min 04 sec E 110-

16. Fred Slepniokoff to whom it
 may concern.....December 17, 1931

Dec 17, 1931—S ULLOA 32-6 E 15th
 Ave 25x100. John Robertson and
 A Lelleas.....December 17, 1931

Dec 16, 1931—MISSION and Bay Sts
 Shops. Southern Pacific Co to J N
 J Firebrick Const Co (rebrieking
 3 boilers in railroad's boiler plant).....

.....December 14, 1931

Dec 16, 1931—SW FILLMORE and
 Hayes 25x107. W Moskowitz to F
 Mannix.....December 10, 1931

Dec 16, 1931—W 40th AVE 225 South
 Lawton S 25 x W 120 OL 825.
 Paul and Della Fresly to whom it
 may concern.....December 9, 1931

Dec 16, 1931—W 2nd AVE 200 South
 Quintara S 25 x W 120. Henry
 Doelger to whom it may concern.....

.....December 8, 1931

Dec 16, 1931—E 40th AVE 225 South
 Taraval S 25 x E 120. Henry Doel-
 ger to whom it may concern.....

.....December 7, 1931

Dec 9, 1931—NE HOLYOKE 50 SE
 Peru Ave NE 25 x SE 100 E 68
 Silver Heights. Henry Schwaz
 and Albert Nickles to whom it
 may concern.....December 5, 1931

.....December 5, 1931

Dec 9, 1931—LAND bounded by Turk
 St, Parker Ave and Rose St on
 line parl to Parker Ave extending
 from Turk to Rose St approx 1200
 ft E of Parker Ave. San Francisco
 College of Women, conducted by
 the Religious of the Sacred Heart
 to Meyer Rosenberg.....Dec 7, 1931

Dec 9, 1931—W 17th AVE 100 North
 Ortega. Catherine A and Murtes
 Ahern to Henry Erickson.....

.....December 4, 1931

Dec 9, 1931—E 31st AVE 100 N Ful-
 ton. Sam Blaustein to whom it
 may concern.....December 8, 1931

Dec 9, 1931—W 33rd AVE 375 S
 Kirkham S 50 x W 120 OL 801 W
 33rd Ave 275 S Kirkham S 25 x W
 120 O L 801 W 33rd Ave 325 South
 Kirkham S 25 x W 120 O L 801.

Whitney Inv Co Ltd to Marian
 Realty Co Ltd.....December 8, 1931

Dec 9, 1931—E CORA 172-6 S Visit-
 acion Ave 34x6x105-8. Harry and
 Rose Apts to whom it may concern.....

.....December 9, 1931

Dec 15, 1931—W VILLAMAR 152-
 150 yards N Sea Cliff Ave NE of
 and adj to lot No 1 known as No
 1 Villamar Ave. V H Podstata to
 Strehlow & La Vole.....Dec 12, 1931

Dec 15, 1931—W 15th AVE AND
 Ulloa 25x107-6. Eva G Husted to
 G J Elkington & Sons.....Dec 15, 1931

Dec 15, 1931—W 22nd AVE 118 N
 Noriega N 25 x W 120 OL 852.
 Ida J Bluett to H H Isaac.....

.....December 15, 1931

Dec 15, 1931—N HAIGHT 152-6 W
 Ashbury W 25 x N 137-6. Mildred
 M Livingston and H B Livingston
 to Young & Horstmeyer.....

.....December 5, 1931

Dec 15, 1931—SE NEWHALL 25 SW
 Innes Ave SW 25 SE 100 Blk
 184 Central Park Hd Assn. John
 and Mary Leary to Bay View
 Realty Co.....December 15, 1931

Dec 15, 1931—SAN FRANCISCO
 Campus of the University of Califor-
 nia. The Regents of the Univer-
 sity of California to Charles A
 Langlais (to install electric equip-
 ment for distribution system).....

.....December 7, 1931

Dec 15, 1931—LOT 14 and S 5 ft
 lot 15 blk 3277 map Mt Davidson
 Manor. Niles E Johnson to whom
 it may concern.....December 14, 1931

Dec 11, 1931—THIRD & CHANNEL
 Sts., Southern Pacific Co to S F
 Elevator Company Inc (repairs to
 elevators in Grocers' Terminal
 Bldg).....December 8, 1931

Dec 11, 1931—W SEVENTEENTH
 Ave 125 S Vicente S 25x120; W 17th
 Ave 150 S Vicente S 28x120. S F
 Johnson to whom it may concern.....

.....December 11, 1931

Dec 11, 1931—N KIRKHAM 82-6
 W 25th Ave 25x100. Ray Allison
 and John N Beck to whom it may
 concern.....Dec 11, 1931

.....December 11, 1931

Dec 11, 1931—E THIRTY-FOURTH
 Ave 200 N Kirkham 25x120. David
 Moses to F C Fisher.....Dec 11, 1931

Dec 11, 1931—N CHESTNUT 59-285
 E Pierce E 25xN 55. Harry J
 Oser to Schultz Const Co.....

.....December 8, 1931

Dec 11, 1931—N CHESTNUT 86-285
 E Pierce E 33 N 90 W 25 S 15 W
 8 S 75. Harry J Oser to Schultz
 Const Co.....Dec 8, 1931

Dec 10, 1931—SULLOA about 155 W
 Granville Way. Chas Anderson to
 whom it may concern.....

Dec 14, 1931—W RHODE ISLAND.....
 136-3 N 20th St. 25x100. Matthew
 H Fucina Jr and D Fucina to
 whom it may concern.....Dec 7, 1931

Dec 14, 1931—E TWENTY-FIRST
 Ave 200 N Ortega N 25x120 OL
 957. Carl and Fred Gellert to
 whom it may concern.....

.....December 14, 1931

Dec 14, 1931—E FORTY-FIFTH
 Ave 225 N Kirkham N 25xE 120

91, 725. Carl and Fred Gellert to whom it may concern Dec. 13, 1931
Dec. 14, 1931—N SENECA 40 W Knights Place 131 SENECA Ave. N SENECA Ave 93-4 W Knights Place 146 SENECA Ave N SENECA Ave 66-8 W Knights Place, 140 SENECA Ave. A M Samuelson to whom it may concern
Dec. 12, 1931—GOLDEN GATE PARK California Academy of Sciences Cahill Bros. Inc. (for construction of East Wing of Museum of Calif. Academy of Sciences) to whom it may concern.....Dec. 10, 1931
Dec. 12, 1931—S TWENTY-SIXTH 79-7 12 E Diamond 25x114. W W Sanders to whom it may concern.....December 12, 1931
Dec. 12, 1931—E WISCONSIN 25 N 22nd running al E Wisconsin to the 50 ft. line N of 22nd. Mary Hurley to whom it may concern.....December 11, 1931
Dec. 11, 1931—N FELL 165 E Webster E 27-6XN 120 to S Linden. Eugene and Domenica Meyran to Rosario De Luca & John De Luca (as De Luca & Son).....Dec. 10, 1931

LIENS FILED

San Francisco County

Recorded	Amount
Dec 19, 1931—NW NAPLES 275 SW Avalon Ave SW 25 x NW 100 Blk 48 Excel Hld Assn. Const Device Co vs Gust Jelm.....	\$15.50
Dec 19, 1931—SE VIENNA 650 NE Peru Ave 25 x 100 ptn Blk 68 Excel Hld Assn. Pan-American Wallpaper & Paint Co Ltd vs Henry Schwarz and Albert Nickles.....	\$128.45
Dec 18, 1931—NW NAPLES 275 SW Avalon Ave SW 25 x NW 100. Blk 48 Excel Hld Assn. Chas R McCormick Lumber Co vs Gust Jelm.....	\$411.14
Dec 18, 1931—NW NAPLES 275 SW Avalon Ave SW 25 x NW 100. Albert Cook vs California Pacific Title & Trust Co and Gust Jelm.....	\$187.90
Dec 18, 1931—N CALIFORNIA 101-1 E Pierce E 27-8 x N 120 to South Perine Place WA 390. A E and E Engdahl as Engdahl Bros vs Hannah, Rosie and John Henry.....	\$72.95
Dec 18, 1931—SE NEWHALL 25 SW Innes Ave SW 25 x SE 100 ptn blk 184 Central Park Hld Assn. Eduardo Crespillo vs John and Mary Leary, Anthony R Sanchez.....	\$187.62
Dec 18, 1931—SE VIENNA 650 NE Peru Ave NE 25 x SE 100 ptn Blk 68 Excel Hld Assn. H S Thomson, Inc, \$243.05; J H McCallum, \$550.18 vs Henry Schwarz and Albert Nickles.....	
Dec 18, 1931—NW NAPLES 275 SW Avalon Ave. Dave C Milligan vs Gust Jelm and California Pacific Title & Trust Co.....	\$30.00
Dec 18, 1931—NW NAPLES 275 SW Avalon Ave SW 25 x NW 100 Blk 48 Excel Hld Assn. D O'Connor and Jas T O'Connor as D O'Connor & Son, \$230.64; D F Donovan, \$250 M Blengina and F Mossimino as New Mission Hardwood Floor Co, \$150, vs Gust Jelm.....	
Dec 18, 1931—NW NAPLES 275 SW Avalon Ave SW 25xNW 100. New Mission Sheet Metal Co, \$135; S F Glass Co, \$35.10; Albert Nelson, \$50; Warden Bros, \$490; Lee Hardware Co, \$175; Sands Water Heater Co, \$33.75 vs Gust Jelm.....	
Dec 17, 1931—NW NAPLES 275 SW Avalon Ave SW 25 x NW 100. W E Trousdale vs California Pacific Title and Trust Co and Gust Jelm.....	\$315.00
Dec 17, 1931—NW NAPLES 275 SW Avalon Ave SW 25 x NW 100 Blk	

48 Excel Hld Assn. Spring Valley Lumber Yard vs Gust Jelm.....\$110.13
Dec. 16, 1931—SW GEARY AND Mason Sls. Sibley Grading & Teaming Co. Ltd vs Home Manufacturing Co; Harry Marquard; Marquard Catering Co; Marquard Investment Co and Mary E Cryan.....\$15.05
Dec 10, 1931—SW GEARY and Mason S 100 x W 40. Herman Castler vs Mary J E Cryan and Harry A Marquard and Marquard's Inv Co and Home Mfg Co, Inc.....\$104
Dec 8, 1931—E LAGUNA ST 100 S Waller S 43 E 82-4 N 1-10 1/4 E 42-10 m or 1 N 39-8 W 125. James Cantley vs Wm and Hermina Van Herick.....\$125.00
Dec 8, 1931—E LAGUNA ST 100 S Waller S 43 x E 132-4. Sudden Lbr Co vs Wm Van Herick.....\$753.27
Dec 9, 1931—SW GEARY and Mason Sls. M T Hoaglund and Fred Skuse vs Home Mfg Co, Harry Marquard and Marquard Catering Company.....\$33.00
Dec 9, 1931—E 22nd AVE 93 South Noriega S 25 x E 120. Chas R McCormick Lumber Co vs Gust Jelm and Geo R Norment.....\$395.19
Dec 9, 1931—SW LANE 75 NE Quesada Ave NE 25 x SE 75 ptn blk 328 South San Francisco H D and R R Assn. Eduardo Crespillo vs Anthony R Sanchez.....\$146.25
Dec 8, 1931—NW RHINE 50 SW Flourary extending SW 25 x NW 100. W B Jefferson as The Great-er City Lumber Co vs Margaret Laird and James Gildard.....\$32.85
Dec 9, 1931—E LAGUNA 100 South Waller S 43 x E 82-4 J Aetna Elec Co vs William and Hermina Van Herick.....\$270.00
Dec 15, 1931—NW NAPLES 275 SW Avalon Ave SW 25 x NW 100 blk 48 Excel Hld Assn. Strom & Smith vs Gust Jelm.....\$107.50
Dec. 14, 1931—E LAGUNA 100 S Waller S 43 to pt dist N 132 from N Herman E 82-4 N 1-10 1/4 to inter of line drawn E from pt on E Laguna dist S thereon 144 from S Waller to pt which is dist 139-3 from S Waller meas at right angle thereto and 125 E Laguna E 42-10 m or 1 to E extremity thereof N 39-8 W 125 WA 214. Golden Gate Atlas Materials Co vs Wm Van Herick.....\$5101.23
Dec. 14, 1931—S NORIEGA 93 E 22nd Ave E 25xS 120. A Filippi (as M H Gonocco & Co) vs Gust Jelm and Geo R Norment.....\$42

RELEASE OF LIENS

San Francisco County

Recorded	Amount
Dec. 14, 1931—N BUSH 137-6 E Jones E 55xN 137-6 50 V B 220. J S and S I Guerin (as J S Guerin Co) to Board of Trustees of the Glide Foundation (credit on lien)	\$127.50
Dec 9, 1931—OR fix etc, 741 Diamond St. Rose Giorgi to Mario Giorgi.....	
Dec 9, 1931—NW RETIRO WAY Gate 247 SW from W Fillmore 25 NW 92 NW 35-355 SE 117. Holmes Lime & Cement Co to John Dean, Milton Decker and Paul R Frugoli	
Dec 10, 1931—2270 or 240 NW Retiro Way at pt dist SW 255-247 from W Fillmore SW 25 N 55 deg 50 min 14 sec W 92 N 10 deg 50 min 14 sec W 35-355 SE 177 to beg ptn Marina Gardens. W E Trousdale to Paul R Frugoli.....	
Dec 17, 1931—2263 OR 375S California 85 W Parker Ave S 87-63 m or 1 to pt which is dist 626-8 N Euclid Ave E 37 N to S California W 38 m or 1. F Antonini & Co to C D Kinney and J Weissbein.....\$90	

BUILDING PERMITS

Alameda County

No. Owner	Contractor	Amt.
1681 Woodburn	Owner	10000
1681 Todd	Sylvester	2000
1682 Lyon	Owner	2550
1683 Nilsson	Owner	3000
1684 Hendrickson	Slack	1000
1685 Anderson	Owner	1000
1686 Michael	Strong	1000
1687 Alameda	McBride	6300
1688 Morton	Owner	4000
1689 Savilla	Eagle	2000
1690 Robson	Owner	7200
1691 Bredehoft	Owner	3000
1692 Key System	Jensen	2500
1693 Mariscano	Owner	2000

DWELLINGS

(1681) NO. 628 & 634 BOULEVARD Way., OAKLAND. Two one and one-half-story 6-room dwellings. Owner—P. E. Woodburn, 624 Prospect Ave., Oakland. Architect—Not Given. \$5000 each

DWELLING

(1681) NO. 3315 WILSON AVE. OAKLAND. One-story 4-room dwlg. Owner—Mrs. Norma Todd, 1510 Franklin St., Oakland. Architect—Not Given. Contractor — H. K. Sylvester, 1510 Franklin St., Oakland. \$2000

DWELLING

(1682) SE VETERAN WAY AND Canon St., OAKLAND. One-story 6-room dwelling. Owner—C. D. Lyon, 6501 Buena Vista Ave., Oakland. Architect—Not Given. \$2950

DWELLING

(1683) 2962 SIXTY-EIGHTH AVE., OAKLAND. One-story five-room dwelling. Owner—N. F. Nilsson, 5800 Walnut St. Oakland. Architect—Not Given. \$3000

ALTERATIONS

(1684) 921 REGAL ROAD, BERKELEY; alterations. Owner—C. W. Hendrickson. Architect—Not Given. Contractor—C. W. Slack, 2412 Acton St., Berkeley. \$1000

ADDITION

(1685) 2378 TIFFIN RD, OAKLAND; addition and alterations. Owner and Builder — Olaf Anderson, 2842 Fruitvale Ave., Oakland. Architect—Not Given. \$1000

ALTERATIONS

(1686) NO. 2233 SANTA CLARA Ave., ALAMEDA. Alter present home. Owner—H. Michael, Premises. Architect—Not Given. Contractor — L. Strong, 429 Haight Ave., Alameda. \$1000

ADDITIONS

(1687) BAY FARM ISLAND (Alameda Golf Course), ALAMEDA. Additions to present club house. Owner—City of Alameda. Architect — H. Murdock, 1436 Benton St., Alameda. Contractor—R. C. McBride, Oakland. \$6300

DWELLING

(1688) NO. 2104 FERNSIDE BLVD., ALAMEDA. One-story 6-room frame and stucco dwelling. Owner—Joe Curtis Morton, 1437 Fifth St., Alameda. Architect—Not Given. \$4000

ALTERATIONS

(1689) 1092 SEVENTH ST., OAKLAND; alterations.

Owner—G. Savilla, 1090 7th St., Oakland.
 Architect—Not Given.
 Contractor—Eagle Const. Co., 3527
 Peralta St., Oakland. \$2000

STORE

(1690) SE COR. 57th AVE. and Foot-
 hill Blvd., OAKLAND; one-story
 brick and concrete store.
 Owner and Builder—Robson & Rob-
 son, deYoung Bldg., San Francisco
 Architect—G. M. Cantrell, 325 Fremont
 St., San Francisco. \$7200

RESIDENCE

(161) NO. 1449 ORDWAY AVENUE,
 BERKELEY. One-story 6-room
 1-family frame residence.
 Owner—Bredelhoff & Dull, 1323 Car-
 lotta St., Berkeley.
 Architect—P. Swanford. \$3000

ALTERATIONS

(1692) SW COR. 22nd and Grove Sts.,
 OAKLAND; alterations.
 Owner—Key System, 22nd and Grove
 Sts., Oakland.
 Architect—Kent & Hass, Underwood
 Bldg., San Francisco.
 Contractor—Jensen & Pedersen, 3443
 Adeline St., Oakland. \$2500

ALTERATIONS

(1693) SW COR. FOURTH and Grove
 Sts., OAKLAND; alterations and
 additions.
 Owner and Builder—Mrs. M. Marsli-
 cano, 781 Green St., San Francisco.
 Architect—Not Given. \$2000

COMPLETION NOTICES

Alameda County

Recorded	Accepted
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Dec. 18, 1931—DUBLIN CANYON,
 State Highway bet. Dublin and
 Hayward. Dept. of Public Works,
 Division of Highways, State of
 Calif. to Lester Hingsberger.....

.....December 15, 1931
 Dec. 17, 1931—CAMPUS OF THE
 University of California. Regents
 of the University of Calif. to Sneed
 & Co.....Dec. 14, 1931

Dec. 17, 1931—NO. 1927 105TH AVE
 Oakland. James B. Grubb to whom
 it may concern.....Dec. 15, 1931

Dec. 17, 1931—NE ENCINAL AVE
 183 ft. SE Grand St. Alameda.
 John G. Vollmar to B F Woolley.....

.....December 16, 1931
 Dec. 16, 1931—NO. 1041 SAN PABLO
 Ave., Albany. C J Eustead to C J
 Buestad.....Dec. 15, 1931

Dec. 16, 1931—NW BROADWAY 140
 ft NE of 20th St., Oakland. Broad-
 way & Twentieth Properties, Inc.
 to George Wagner.....Dec. 15, 1931

Dec. 16, 1931—FIRST & MARKET
 Sts., Oakland. Howard Terminal
 Corp. to Albertson-McCormick,
 Sprinkler Co., Ltd.....Dec. 12, 1931

Dec. 14, 1931—NO. 6th PALOMA
 Ave., Oakland. W A Netherby to
 whom it may concern.....Dec. 11, 1931

Dec. 11, 1931—PTN LOT 15 BLK 7,
 Hotel Claremont Tract, Berkeley.
 Elwood T and Helen E Starbuck
 to T D Courtright.....Dec. 7, 1931

Dec. 12, 1931—2314 HAVENSCOURT
 Blvd., Oakland. F W Conlogue to
 whom it may concern.....Dec. 5, 1931

Dec. 12, 1931—400 LINCOLN AVE,
 Alameda. G W Coupe to P R Haul-
 man.....December 11, 1931

Dec. 11, 1931—NO. 3426 PIERSON
 St., Oakland. August Roseberg
 to August Roseberg.....Dec. 4, 1931

Dec. 11, 1931—LOT 3 BLK F, Es-
 tudillo Estates, San Leandro.
 Charles W and Ada J Griffith to
 whom it may concern.....Dec. 10, 1931

Dec. 11, 1931—SIXTY-FIRST AND
 63rd Sts., Emeryville; 20th and
 Broadway, Oakland. Southern
 Pacific Co to Hutchinson Co.....

.....December 5, 1931
 Dec. 11, 1931—OAKLAND PIER.
 Cedar St., bet. Shore and First
 Sts., Oakland. Southern Pacific
 Co to Hutchinson Co.....Dec. 5, 1931

Dec. 11, 1931—LOT 7 BLK 8, North
 Cragmont, Berkeley. James W
 and Cora L Walker to G A Pierson
December 10, 1931

Dec. 11, 1931—SE EUCLID AVE &
 Hawthorne Terrace, Berkeley.
 Jessie-Lee F Decker to J Dawson
December 5, 1931

Dec. 11, 1931—NO. 6131 ROCK-
 ridge Boulevard, Oakland. Joseph
 Gauzza to John Fleming.....

.....December 3, 1931
 Dec. 10, 1931—STATE HIGHWAY,
 bet. Easterly boundary and Green-
 ville. Department of Public Works
 State of Calif. to Standard Road
 Planing Co.....Dec. 8, 1931

Dec. 10, 1931—LOT 12, Farber Be-
 rose Tract, Oakland. Winnifred
 Lee to Theo H Lapham.....Dec. 5, 1931

Dec. 10, 1931—NO. 821 SAN DIEGO
 Road, Berkeley. Ray H Nor-
 heim to whom it may concern.....

.....Dec. 9, 1931
 Dec. 10, 1931—NO. 9014 HILLCREST
 Ave., Oakland. Angelo Magnani
 to Charles Ungaretti.....Dec. 10, 1931

Dec. 9, 1931—S ASHBY AVE 85 E
 King St., Berkeley. Levi J Moran
 to Levi J Moran.....Nov. 21, 1931

Dec. 9, 1931—LOT 10 BLK 4, Oak-
 more Terrace, Oakland. L W and
 Margaret Roth to whom it may
 concern.....Dec. 8, 1931

Dec. 15, 1931—LOT 7 BLK F, Es-
 tudillo Estates, San Leandro.
 Charles W and Ada J Griffith to
 whom it may concern.....Dec. 12, 1931

Dec. 15, 1931—LOTS 31 AND 32,
 Peralta Avenue Tract, Oakland.
 Bertha Albrecht and Frederick
 Volckers to Robert E Bartlett and
 N E Rockwell.....Dec. 12, 1931

Dec. 15, 1931—LOT 15 BLK 9, Her-
 zog Tract, Berkeley. A P and
 A Adeline Perryman to G W
 Wells and D E Taylor.....Dec. 14, 1931

Dec. 15, 1931—LOT 32 and S ½ Lot
 33 Blk 15, Amended Map of Sun-
 set Terrace, Albany. J G and
 Freda M Brown to J G Brown.....

.....December 5, 1931

LIENS FILED

Alameda County

Recorded	Amount
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Dec. 18, 1931—NW BROADWAY 140
 NE Twentieth St., Oakland. Trans-
 it Concrete Ltd vs Broadway &
 Twentieth Properties, Inc.; George
 Wagner and Chris Berg.....\$2646.13

Dec. 18, 1931—NW BROADWAY 140
 NE 20th St., Oakland. Pacific
 Coast Aggregates vs Broadway &
 Twentieth Properties, Inc.; George
 Wagner and Chris Berg.....\$1237.03

Dec. 17, 1931—NW BROADWAY 140
 NE Twentieth St., Oakland. E
 K Wood Lumber Co vs Broadway
 and 20th Properties, Inc.; Chris
 Berg and George Wagner.....\$70.30

Dec. 17, 1931—LOT 11 BLK 7, Re-
 sub of ptn of North Cragmont,
 Berkeley. E K Wood Lumber
 Co vs Gust John.....\$402.17

Dec. 16, 1931—E 49th FT LOT 8 BLK
 13, Broadmoor, San Leandro. A J
 Bowman doing business as Bowman
 Bidg Supply Co vs H A John-
 son, C Dewey Oliver.....\$56.15

Dec. 16, 1931—760 CARMONT AVE,
 Berkeley. Jos H Jevons vs Leon-
 ard L Richards, David Nordstrom.....

.....\$255.00
 Dec. 16, 1931—SW SAN PABLO AVE
 and Bancroft Way, Berkeley. In-
 dependent Iron Works vs Robt H
 Wetmore, Amy Florence Wetmore,
 Minnie B Buckley, trustees.....\$4735

Dec. 12, 1931—1319 BRUSH STREET,
 Oakland. F L Merrick doing busi-
 ness as Merrick Wall Paper and
 Paint Co vs Bernard White, W H
 Finn.....\$33.02

Dec. 12, 1931—LOT 16 BLK A, Sub
 of a ptn of the Quigley Tract,
 Oakland. Morgan Electric Co, Ltd
 vs Ida Irene and John I Jones.....

.....\$134.55
 Dec. 11, 1931—W PEARL ST. 180 S
 Calhoun, Alameda. C W Abbott
 Co vs L J and Hanna Annette and
 N F Justice.....\$151.42

Dec. 10, 1931—LOT 17 BLK D, New
 Piedmont Heights, Oakland. Wal-
 ter Todd, \$246.80; Sunset Lumber
 Co, \$487.03 vs J J Groden.....

Dec. 10, 1931—NO. 8310 E-FOUR-
 teenth St., Oakland. Harry and
 Cecelia Larsen (as Larsen Bros)
 vs George Linton and John Gen-
 ticks.....\$127.20

Dec. 9, 1931—NW PERALTA AND
 W-Tenth Sts., Oakland. Tilden
 Lumber & Mill Co vs Roman
 Catholic Archbishop of S. F. and
 J B McCullough.....\$76.45

Dec. 14, 1931—NW PERALTA AND
 W-Tenth Sts., Oakland. D W
 Cronin and P J O'Connor (as
 Cronin & O'Connor), \$318.80; Scott
 Co, \$750 vs Roman Catholic Arch-
 bishop and Chas B McCullough.....

Dec. 15, 1931—PTN LOT 8 BLK 18,
 Map of Broadmoor, San Leandro.
 J R Pierce Plumbing Co, \$100.33;
 Oliver Davis, \$194 vs H E Johnson

Dec. 14, 1931—W PEARL ST. 170 S
 Calhoun St., Alameda. Charles
 Simpson, \$112.50; Clarence Markus
 (as Markus Hardware Co), \$96;
 Swift Lumber Co., Inc, \$608.86; F
 L Courtney, \$74; Robert Streiff,
 \$271.30; Frank V Berckefeldt (as
 Globe Roofing Co), \$86.29 vs L G
 and Hannan Annett and Noble F
 Justice.....\$62.69

Dec. 14, 1931—LOTS 5 AND 6 BLK
 2001, Hogan Tract, Oakland. Arris
 Knapp Co vs Sam and Beckie
 Feldstein and E L McAllister.....

.....\$226.75
 Dec. 14, 1931—NW PEARL ST. 30
 SW Calhoun, Alameda. L Scar-
 amelli vs L G and Hannah Annett
 and R F Justice.....\$226.75

Member Insurance Brokers' Exchange

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 INSURANCE
 490 GEARY STREET

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San Francisco

RELEASE OF LIENS

Alameda County

Recorded Amount

Dec. 18, 1931 — SW GRAND AND
Helleave Ave., Oakland, V. N.
Smith to Union Oil Co. of Calif.;
and Central California Roads Co.
.....\$191.49

Dec. 18, 1931 — NO. 8310 E-FOUR-
teenth St., Oakland, Harry and
Ceceila Larsen (as Larsen Bros)
to George Linton and John Gre-
gories\$127.20

Dec. 17, 1931—EDITH ST. AND
Dullich Road, Oakland, California
Steel Products Co to Roman
Catholic Archbishop of S F and
A A Pullin\$420.40

Dec 14, 1931—EDITH ST AND Dulo-
ch Road, Oakland, Nat Lena,
\$2886.45; F P Murphy doing busi-
ness as E P Murphy Co to Roman
Catholic Archbishop of San Fran-
cisco, Sisters of the Sacred Names
of Jesus and Mary, James L Mc-
Laughlin Company\$420.40

Dec 14, 1931—EDITH ST AND Dulo-
ch Road, Oakland, Pacific Coast
Aggregates, Inc. \$5764.53; Transit
Concrete, Ltd, \$1830.36; The Pat-
ent Scaffolding Co, \$480.25; Henri
Gregoire, \$2860, to Roman Catho-
lic Archbishop of San Francisco,
James McLaughlin Co, Chris Berg
Dec 14, 1931—EDITH ST AND Dulo-
ch Road, Oakland, Pacific Coast
Aggregates to Roman Catholic
Archbishop of San Francisco, Jas
L McLaughlin Co, Chris Berg,
Henri Gregoire\$496.76

Dec 12, 1931—EDITH ST AND Dulo-
ch Road, Oakland, East Bay Glass Co
to Roman Catholic Archbishop of
San Francisco, Sisters of the Sac-
red Names of Jesus and Mary,
James L McLaughlin Co.\$354.15

Dec. 10, 1931—EDITH ST AND
Dullich Road, Oakland, Dwan &
Co to Roman Catholic Archbishop
of S. F. and James L McLaughlin
Co.\$778

Dec. 8, 1931—PTN LOTS 23 AND
24, Subd. of Ptn of Piedmont
Heights, Oakland, Pacific Mfg Co
to Roman Catholic Archbishop of
S. F.; Sisters of the Saered Names
of Jesus and Mary and James L
McLaughlin Co.\$4603.23

Dec. 8, 1931 — EDITH ST. AND
Dullich Road, Oakland, J E Back
Co, Inc to Roman Catholic Arch-
bishop of S. F. and James L Mc-
Laughlin, Inc.\$339

Dec 14, 1931—EDITH ST AND Dulo-
ch Rd., Oakland, United States
Gypsum Co, \$6030.02; J J Scanlon,
\$2780, to Roman Catholic Arch-
bishop of San Francisco, Sisters of
the Sacred Names of Jesus and
Mary, James L McLaughlin Co,
Chris Berg\$2660

Dec 14, 1931—EDITH ST AND Dulo-
ch Road, Oakland, Transit Con-
crete, Ltd to Roman Catholic
Archbishop of San Francisco, Jas
L McLaughlin Co, Chris Berg,
Henri Gregoire\$20

Dec 14, 1931—EDITH ST AND Dulo-
ch Road, Oakland, Henri Gre-
goire to Roman Catholic Arch-
bishop of San Francisco, Chris
Berg\$2860

BUILDING PERMITS

SAN MATEO

BUNGALOW, \$4000; Lot 5 Blk 6, No.
247 Fifth Ave., San Mateo; owner,
and contractor, Charles Hutchin-
son, 1918 Palm Ave., San Mateo.
STORE, concrete, 2-story, \$26000; Lot
8, No. 7, Third Ave., San Mateo;
owner, Stelling & Gould, Ltd, 155
Montgomery St., San Francisco;

contractor, G. P. W. Jensen, 320
Market St., San Francisco.
RESIDENCE, \$1000; W 10 ft. of Lot 8
E 30 ft. Lot 9 Blk 3, No. 542 26th
Ave., San Mateo; owner and con-
tractor, Castle Building Co., El
Camino and Allen Sts., San Mateo.
RESIDENCE, \$4000; E 40 ft. Lot 20
Blk 7, No. 366 25th Ave., San
Mateo; owner, Castle Building Co.,
El Camino and Allen, San Mateo.
RESIDENCE, \$7500; Lot 2 Blk 9 W
Third Ave., San Mateo; owner, J.
M. Carlson, 134 16th St., San
Mateo; contractor, W. O. Nicolai-
des, 236 Clark St., San Mateo.
RESIDENCE, \$4000; E 50 ft. Lot 6 Blk
6 W, 309 24rd Ave., San Mateo;
owner and contractor, Buschke &
Johnson, 245 3rd Ave., San Mateo.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted

Dec. 15, 1931—LOT 10 BLK 14, Lo-
mita Park. Giovanni Guido to
whom it may concern.....Dec. 12, 1931
Dec. 15, 1931—LOT 29 BLK 4, Bur-
lingame Grove. Joseph Metcalf to
whom it may concern.....

Dec. 15, 1931 — LOCATION NOT
Given. County of San Mateo to
Robert A Farish..... Nov. 18, 1931
Dec. 15, 1931—LOT 5 BLK C, San
Mateo Heights. Edward J lid to
whom it may concern.....Dec. 8, 1931

Dec. 16, 1931—LOT 16 BLK 21, Red-
wood Highlands. Morton Brewer
to whom it may concern.....

Dec. 16, 1931—LOT 16 BLK 62,
Easton. G W Williams Co to G W
Williams Co..... Dec. 15, 1931

Dec. 16, 1931—LOT 38 BLK 10,
Crocker Estate Tract. Gus R
Blomquist to whom it may concern.....Nov. 20, 1931

Dec. 16, 1931—LOT 5 BLK 30, Red-
wood Highlands. T S Kays to
whom it may concern.....Dec. 16, 1931
Dec. 16, 1931—LOTS 12, 13 AND 14
Blk 16. Roman Catholic Arch-
bishop to H H MacDonald.....

Dec. 16, 1931—LOT 14 BLK 13, 206,
Fairways Emerald Lake. Frank
Storey to whom it may concern.....

Dec. 17, 1931—WASHINGTON
School, Redwood City. Grammar
School District to Gus Waller.....Dec. 10, 1931

Dec. 17, 1931—LOT 83, Bayshore
Properties Co. Ezio Bendinelli et al
to Bert Norberg.....Dec. 16, 1931

Dec. 17, 1931 — LOT 11 BLK 35,
Western Addition, San Mateo. A
De Benedetti to whom it may concern.....Dec. 17, 1931

Dec. 17, 1931—STATE HIGHWAY &
Ravenwood Ave., San Mateo. Geo
F Delno et al to Palmer & Tibbs
.....Dec. 10, 1931

Dec. 18, 1931—LOT 9 BLK 11, Bur-
lingame Hills. John F Lienen
et al to E S Shaver.....Dec. 4, 1931
Dec. 18, 1931—STATE HIGHWAY,
South of San Francisco. State of
California to J O'Shea.....Dec. 15, 1931

Dec. 18, 1931—LOT 5 BLK 2, Lo-
mita Park. Frank Wallace et al
to O H Taylor.....Dec. 15, 1931
Dec. 19, 1931—PART LOTS 10 AND
11 Blk 5, Huntington Park. Chas
A Drew to whom it may concern
.....December 17, 1931

LIENS FILED

SAN MATEO COUNTY

Recorded Amount

Dec. 18, 1931—LOT 19 BLK 8, Quin-
La Honda. W E Jefferson vs Mary

Dunham et al.....\$44.70
Dec. 18, 1931—LOTS 25, 26 AND 27
Blk 3, Huntington Park. Sudden
Lumber Co vs M A Whiteblock
.....\$933.74

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded Amount

Dec. 16, 1931 — LOCATION NOT
Given. G Breyato to R N Noble.....
Dec. 16, 1931—LOT 11 BLK 7, Bur-
linghome. Pacific Mill & Cab-
inet Co to Richard P Miner.....\$50
Dec. 7, 1931—LOT 29 BLK 30 Red-
wood Park. McElroy - Cheim
Lumber Co, Laferly & Wilson;
James O Wallace and John Du-
gish to Harold G Jervis.....

BUILDING PERMITS

PALO ALTO

ALTERATIONS and addition to resi-
dence, \$5000; 537 Coleridge Ave.;
owner, Grace Ross Seale, 537 Cole-
ridge Ave.; contractor, H. Dabi-
nett, 1765 Fulton St.

RESIDENCE and masseur parlor,
\$3700; 335 Alma St.; owner, Anita
L. Byxbee, 355 Alma St.; contrac-
tor, Da Mant Bros. 525 Santa Cruz
Ave., Menlo Park.

RESIDENCE, rustic, and garage, \$3,-
500; 404 Oxford St.; owner, Leon-
ard Distel, 251 California Street;
contractor, George Pisani.

ALTER residence, \$1000; 161 Bryant
St.; owner, Kathleen McCarthy,
premises; contractor, H. Dabnett,
1765 Fulton St.

RESIDENCE, 2-story frame and stue-
co, and garage, \$9,900; 1327 Web-
ster St.; owner, A. A. Moule; con-
tractor, H. Dabnett, 1765 Fulton.

ALTER interior and exterior of New
Stanford Theatre, \$8000; 221 Uni-
versity Ave.; owner, Fox West
Coast Theatres; contractor, Ellis
J. Arkush, Brewer St., Hillsbor-
ough.

BUILDING CONTRACTS

SANTA CLARA COUNTY

RESIDENCE
LOT 6 BLK 14, May of Chapman and
Davis Tract, San Jose. All work
for eight-room frame residence
and garage.

Owner—Mrs. Julia T. Baldwin.
Architect—Not Given.
Contractor—A. R. Calvelli, 855 Nevada
Ave., San Jose.

Filed Dec. 16, '31. Dated Dec. 3, '31.
Frame up and roof on\$1433.33
Inside and outside plastered\$1433.33
Building completed 1433.33
Usual 25 days..... 4000.00
(in form of deed to Lot 7 Blk
79, Naglee Park Tract.)

TOTAL COST, \$8300
Bond, \$4150. Sureties, J. J. Morella
and S. H. Chase, Limit, 120 days
from Dec. 3, 1931. Forfeit, none.
Plans and specifications filed.

BUILDING PERMITS

BURLINGAME

RESIDENCE, \$3500; Willborough
Place, Burlingame; owner and con-
tractor, G. W. Williams Co., 315
Primrose Road, Burlingame.

RESIDENCE, \$4400; Lot 12 Blk 12, B.
J Crossway Road, Burlingame;
owner and contractor, N. A. White

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded	Accepted
Dec. 15, 1931—LOTS 7 AND 8 BLK 31, College Terrace, Palo Alto. H J Pinkerton to whom it may concern.....	Dec. 12, 1931
Dec. 15, 1931—LOT 9 BLK 7, Resubd of Palm Haven, San Jose. Delos Whaley to whom it may concern.....	December 12, 1931
Dec. 15, 1931—LOT 11 Tct 2, Rancho Del Patio being S 1/2 of Sec 26 Tsp 7 S R 1 W. B F and Roxie B Harrison to B J Smith.....	Dec. 11, 1931
Dec. 15, 1931—W SPENCER ST. 78 N Home St., San Jose. Robt B Gray to whom it may concern.....	December 15, 1931
Dec. 16, 1931—PTN LOTS 26 AND 27 Benders Subd., San Jose. R B Gray to whom it may concern.....	December 15, 1931
Dec. 16, 1931—LOT 6, Santana Subd San Jose. Alvie Hudson to Geo S Kocher.....	Dec. 16, 1931
Dec. 17, 1931—N PANORAMA DR In Las Haciendas Tract, bet. Los Gatos and Saratoga. Wm F Hayward to N J Nielsen.....	Dec. 14, 1931
Dec. 18, 1931—LOT 13 TRACT NO. 2, Rancho Del Patio. Raymond R Allison to B J Smith.....	Dec. 15, 1931
Dec. 18, 1931—PTN BOYCE ADDITION, Palo Alto. Gus Meister to whom it may concern.....	Dec. 15, 1931
Dec. 19, 1931—LOT 7 BLK 72 Amended Map of Subd 8, Seale Tct, also SE 23 ft. Lot 8 Blk 72, Subd No. 8, Seale Tract, Palo Alto. Cleveland Smith to Cleveland Smith.....	Dec. 18, 1931

LIENS FILED

SANTA CLARA COUNTY

Recorded	Amount
Dec. 14, 1931—LOTS 5 AND 6 BLK 31, College Terrace, Palo Alto. W Herbert vs S B and Della G Goss.....	\$185
Dec. 15, 1931—N 1/2 LOT 14, Maybell Terrace near Palo Alto. J M Taylor vs John Lewis Silvey et al.....	\$65
Dec. 16, 1931—LOT 88, Kellogg Tr near Mountain View. Sterling Lumber Co vs Eugent and Lee Smith.....	\$184.62
Dec. 18, 1931—LOTS 5 AND 6, College Terrace, Palo Alto. Frank A Brunert vs Sam B Goss et ux.....	\$150
Dec. 18, 1931—LOT 50, Colonial Manor. Wm H O'Neill vs A L R Anderson et ux.....	\$129

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded	Amount
Dec. 18, 1931—PART LOTS 8 AND 9, Amended Map of Subd No. 8, Seale Tract, Palo Alto. Wm and J C Urbar vs Cleveland Smith; B F Caine and Allan Cutler.....	\$111.07

BUILDING CONTRACTS

MARIN COUNTY

SERVICE STATION	
MILL VALLEY. All work for super service station.	
Owner L. Ferreira and F. Schnone, Mill Valley.	
Architect—Not Given.	
Contractor—C. G. Hildebrand, 2164 Hearst Ave., Berkeley.	
Filed Dec. 17, '31. Dated Dec. 14, '31.	
Contract signed, etc.....	\$875
Foundation in place.....	875
Roof on	875

When completed.....	875
TOTAL COST, \$3500	
Bond, \$3500. Surety, Fidelity & Deposit Co. of Maryland. Limit, 45 days. Forfeited, none. Plans and specifications filed.	

COMPLETION NOTICES

MARIN COUNTY

Recorded	Accepted
Dec. 14, 1931—LARKSPUR. Mary A Carew to N P Ewanow.....	December 14, 1931
Dec. 14, 1931—WINSHIP PARK. Ross. James C Leach to Wm Keffle.....	Dec. 15, 1931
Dec. 17, 1931—SAUSALITO. Sylvia Sloss to Young & Horstmeier.....	

BUILDING PERMITS

STOCKTON

RESIDENCE, brick veneer, six-room and garage, \$6000; No. 745 Lexington Ave., Stockton; owner, E. Genekow, 745 Lexington Ave., Gnekow, 745 Lexington Ave., Stockton; contractor, Guy W. Donaldson, 239 E-Noble St., Stockton.
DWELLING, rustic, 4-room, \$2000; No. 137 W-Worth St., Stockton; owner, Amerigo Del Carlo.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded	Accepted
Dec. 18, 1931—LOT 14 BLK 18 Survey 2999. H B Gregerson and wife to Bryan T Parsons.....	Dec 18, 1931

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded	Amount
Dec. 12, 1931—LOT 40, Mira Vista Highlands. D W Van Horn to whom it may concern.....	Dec. 11, 1931
Dec. 15, 1931—LOT 28 BLK 227, Central Addition to Pittsburg. Kathryn Lucille Cardinali to Charles Isaacson.....	Dec. 12, 1931

LIENS FILED

CONTRA COSTA COUNTY

Recorded	Amount
Dec. 10, 1931—LOTS 27 AND 28 in Dewing Park. De Walt Machinery Ltd vs John R Serpa, Anna C Serpa and T A Osborne.....	\$150
Dec. 14, 1931—LOT 21, Enes Ambrose Subd 2nd Unit. Diamond Bldg Materials Co vs Clement	
Dec. 16, 1931—LOT 21, Enes Ambrose Subd 2nd Unit. Redwood Manufacturers Co vs Clement Alexander Tays.....	\$598.39

RELEASE OF LIENS

CONTRA COSTA COUNTY

Recorded	Amount
Dec. 17, 1931—LOTS 27 AND 28, Dewing Park, Saranap. T A Osborne to John R and Anna C Serpa.....	

LIENS FILED

MARIN COUNTY

Recorded	Amount
Dec. 14, 1931—SAN RAFAEL. A J Daggett vs Thos J Crowley.....	\$299.90
Dec. 15, 1931—LARKSPUR. John Carcano vs Frank Kellogg and H W Hoppe.....	\$60

LIENS FILED

SONOMA COUNTY

Recorded	Amount
Dec 17 1931—LOT 23 Rosevale Farms Sub, near Santa Rosa. A E S A and D C Fouslen, Santa Rosa Dept Store vs Harold & Grace E Everhart.....	\$57.86

RELEASE OF LIENS

SONOMA COUNTY

Recorded	Amount
Dec 18, 1931—REAL EST located nr Healdsburg, ranch property. Harvey Taylor to Judd Mfg Co, Frank P Grace, et al.....	\$114.35

LIENS FILED

MONTEREY COUNTY

Recorded	Amount
Dec 18, 1931—LOT 7 Assessor's Map No 1 Carmel Highlands. Frank De Amara vs Wilma Sutro also known as Mrs Charles Sutro and A McCall Smith.....	\$265
Dec 18, 1931—LOT 7 Assessor's Map No 1, Carmel Highlands. John Batten vs Wilma Sutro also known as Mrs Charles Sutro and A McCall Smith.....	\$245.50

RELEASE OF LIENS

MONTEREY COUNTY

Recorded	Amount
Dec 17, 1931—BEGINNING at inter North line of Sausal St with East line of Front St, Salinas City; all that part of the Sausal Rancho. Salinas Valley Concrete Pipe Co to E M Vail, Salinas Valley Ice Co Ltd and Frank Myers.....	\$40.18

BUILDING PERMITS

SACRAMENTO

RESIDENCE, 6-room & garage, \$5000; No. 1800 Third Ave., Sacramento; owner, C C Ruby, 4800 T St., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded	Accepted
Dec. 15, 1931—LOT 64, Land Drive Terrace Subd No. 1, Sacramento. W B Phillips to whom it may concern.....	Dec. 15, 1931
Dec. 15, 1931—LOTS 7 AND 8, W. 5th and 6th Sts., Sacramento. McLaughlin Draying Co to whom it may concern.....	Dec. 15, 1931

COMPLETION NOTICES

FRESNO COUNTY

Recorded	Accepted
Dec. 18 1931—LOTS 29 TO 32 BLK 89 Fresno. Goodyear Service Inc to J T Chawan.....	Dec 18 1931
Dec. 18 1931—KETTLEMANS HILLS N Kettleman Dome Assn to Macco Robertson Ltd (pipe line). Dec 18 '31	
Dec. 19 1931—LOT 14 BLK 28 Alta Vista Terrace Fresno. Thos W Ware et ux to A R Ecklund.....	Dec. 18 1931
Dec. 19 1931—LOTS 25 AND 26 BLK 2 Cleveland Terrace Fresno. Carl Gustafson to whom it may concern.....	Dec. 18 1931
Dec. 19 1931—LOTS 16 AND 17 BLK 4 Alhambra Terrace Fresno. Carl Gustafson to whom it may concern.....	Dec. 18, 1931

REMODEL, first floor for Porter's Ladies Apparel Store, \$8000, Fulton and Fresno Sts., Fresno; owner, T. Mottet Bldg., Fresno.
 ALTERATIONS and additions, \$10,000; 120 Fulton St.; owner, Safeway Stores, Inc.
 Dec. 15, 1931—SAN JOAQUIN Substation, S. J. L. and P. Corp. and P. & E. Co. to whom it may concern.—December 9, 1931

LIENS FILED

FRESNO COUNTY

Recorded Amount
 Dec. 15, 1931—LOTS 1, 2 AND 3 Blk. 4, Recreation Park Terrace, Fresno, Maisler Bros Lumber Co. vs. Fred J. Cartwright\$138

ENGINEERING SOCIETIES EMPLOYMENT SERVICE

Further information regarding positions listed in this column is obtainable from Newton D. Cook, Room 715, 57 Post St., San Francisco. (Phone SUtter 1684).

- R-3720-S SALESMAN, experienced, to sell furnace draft control installations on a guaranteed savings plan. Commissions will average about \$12 on each sale. Location, San Francisco and Peninsula cities.
- R-3706-S EXPERIENCED DESIGNER and builder of centrifugal pumps desires to locate one or more men who can invest a total of \$24,000 to finance a business which can show exceptionally good prospects. Location, Bay Region.
- R-3718-S SALES PROMOTION opportunity is open for some one who can finance agency for a new line of brass goods having excellent sales possibilities. San Francisco territory requiring \$1500-\$2500 cash is open, and other territories will be opened soon. Particulars upon written request. Headquarters, Bay Region.
- R-3716 - S CHEMICAL ENGINEER, preferably between 30 and 40 years old and experienced in the operation of a chemical testing laboratory, to take charge of laboratory. Must be good chemist with sales ability, and willing to start for \$150 month and opportunity to share in business as it grows. Apply by letter. Location, San Francisco.
- R-3719-S TECHNICAL SALESMAN, at least 30 years old, with good sales experience, preferably in the line of food products so that he would be acquainted with this trade. Chemical engineering training would be required. Salary, \$250 per month or more, depending upon man. Permanent. Location, entire Pacific Coast. Headquarters, San Francisco.
- W-3321-C-S (K-387) MANUFACTURER of substation connectors and switching equipment desires additional agents middle and western states. Established trade connections on these and supplementary lines essential. Apply by letter. Headquarters, New York.
- R-3708-S SALES MANAGER, technical man preferred, to take charge of all details in connection with the sales and distribution of electrical transcriptions of programs for radio broadcasting. Must be able to meet with all types of executives and advertising agents and adapt himself to an expanding market which will cover the entire U. S. A. Investment of \$5000 required. Location, San Francisco.

Day labor employees of the Modesto Irrigation District in Stanislaus County went on the five-day week schedule last Wednesday, it is announced by F. J. Van Winkle, irrigation engineer. Forty men are affected.

BUSINESS OPPORTUNITIES

Names and addresses of persons or firms concerned in the following opportunities will be furnished on request to Business Opportunity Department, Daily Pacific Builder, 547 Mission St., San Francisco, or phone Garfield 8744:

21566—Cement. San Francisco. Firm in Haiti inquires for names of shippers of cement to Port au Prince.

21569—Representation. Zwijndrecht, Holland. Newly established sales agency is anxious to represent local manufacturers and exporters.

21570—Representation. Berlin, Germany. Party wishes to represent San Francisco manufacturers of machinery in Berlin, Germany.

21576—Lumber. Victoria, Brazil. Exporters of Jacaranda and other figured lumber is seeking a local market.

E. W. Kelt, 5839 Presley Way, Oakland, is seeking exclusive sales agent to handle high grade polishing paste throughout California.

Fred Y. Warren, 516 N Wayne St., Lima, Ohio, wishes to contact local concern or importer desirous of securing representation in the middle states. 31

The confidence of the building industry is the greatest factor in the carrying on of the publication of Daily Pacific Builder.

Without wishing to indulge in any extravagant or exaggerated phrases this publication stands before the construction industry on its record of forty-two years of performance—and it stands alone.

Some trade or business fields require from three to twelve different journals to promote their progress, work out their worries and nose out their news.

But not so with Daily Pacific Builder because it segregates and appeals to those only who plan, produce and market materials and equipment. It prints the news in which you are in-

terested—nothing more—nothing less.

In principle and practice, Daily Pacific Builder is a newspaper—published on a newspaper schedule—edited in a newspaper manner.

It is a real trade publication. Each reporter is a business specialist bringing to the whole a special knowledge and experience. It publishes news where each item is subjected to an expert scrutiny and interpretation.

Daily Pacific Builder aims to serve the construction industry. We are attempting to meet the qualification of "service."

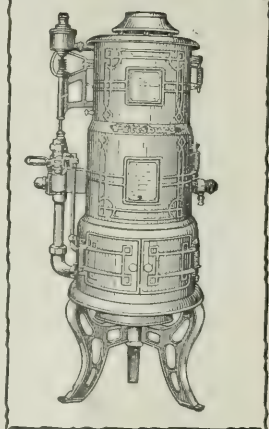
However, many ways there may be of satisfying trade publication subscribers—there is only one way of holding them. That is to determine accurately what that industry wants, and unerringly supply it—there is no other formula.

Daily Pacific Builder aims to meet the specifications provided in the formula. If something is lacking—what is it?

During the past few years a wide acceptance of the economies of low cost surfaces has resulted in improved designs and construction methods according to G. C. Snyder, chief engineer of maintenance, Ohio Department of Highways, Columbus, Ohio; chairman of the committee of low cost roads of the American Road Builders' Association.

Surfaces suitable for a daily traffic of appreciable density on pneumatic tires include several types. One two of the bituminous types have been selected for this report, because they have been particularly successful at minimum cost and are universally adaptable to varying conditions. They are the road mix type known as "re tread" and the surface treatment type. In each, tar or asphalt is successfully used as binder.

Utilization of the recommendations in this report will bring improved road service where the cost of a pavement cannot be justified.



A "Pittsburg" Automatic Water Heater installed in the Home indicates high quality throughout.

Recommended and specified by all the leading architects, plumbers and builders.

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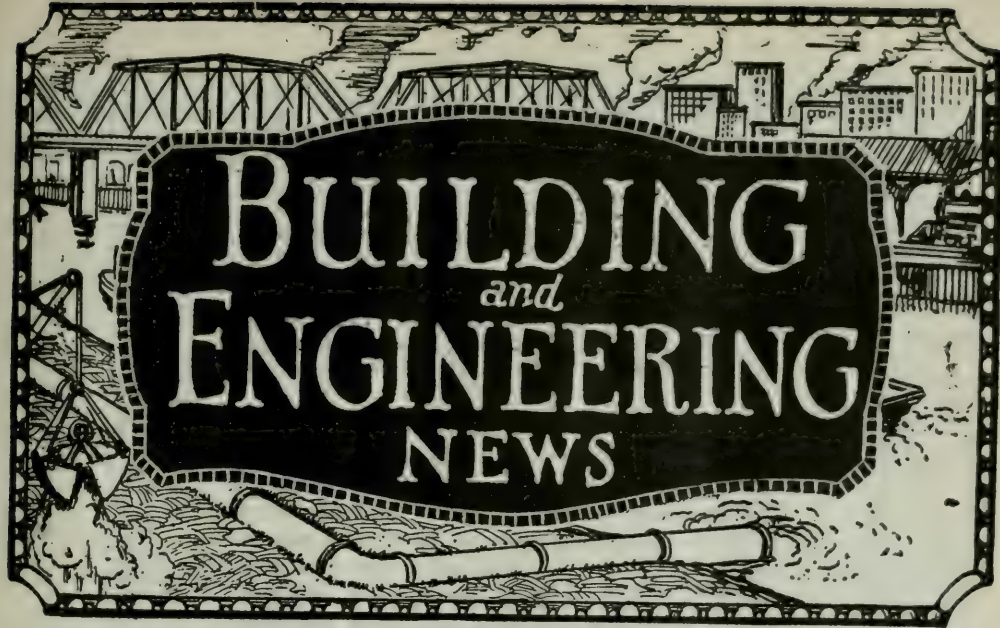
Makers of "Pittsburg Automatic"—"Bungalow Automatic"

Storage Systems and "Lyon" Tank Water Heaters.

309 13th Street, Oakland

478 Sutter St., San Francisco

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SAN FRANCISCO, CALIF., JANUARY 2, 1932

Published Every Saturday
Thirty-fifth Year, No. 53

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

ARCO COMPANY APPOINTS MAURY

The Arco Company, manufacturers of paints, varnishes, enamels and lacquers, with general offices at Cleveland, Ohio, and plants in Cleveland, Los Angeles and Toronto, announces the appointment of Philip L. Maury as President. S. D. Weil, former president, and S. D. Weil, vice president, are retiring.

Maury entered the employ of the Arco Company in 1889 as office boy and within twelve years was president, which position he held up to the present time.

The new president, Mr. Maury, has had long experience in the paint industry. He formerly lived in Cleveland when he was connected with the Sherwin-Williams Company as manager of general industrial railway and marine sales.

He left Cleveland to become vice president and general sales manager of the Detroit Graphite Company at Detroit, and continued in that capacity until the company merged with Valentine & Company when he became vice president of that concern at New York.

Mr. Maury resigned from Valentine & Company November 30, to take up his new duties with the Arco Company December 1.

ELECTRIC MACHINERY WINS PUMP CONTRACT

The Electric Machinery Mfg. Co., Minneapolis, Minn., C. F. Henderson, local representative, has received from the City and County of San Francisco, the award of contract in the amount of \$44,630 for the furnishing of three 900-hp. and nine 1000-hp. synchronous motors with full voltage automatic starters and direct connected exciters. In making the award, different guaranteed efficiencies were taken into account. The price bid for the motors with the highest full load efficiency was used as a base and the prices of the others considered as increased, at a certain rate for each one hundredth of one percent that the guaranteed efficiencies were below the highest.

On the above basis the engineers and the Board of Public Works considered Electric Machinery Mfg. Co. had the best bid and made the award to that firm.

There is also a heavy penalty if the motors fail to develop the guaranteed efficiencies.

These motors will drive 1200-rpm. pumps in the pumping stations on the Corral Hollow Pipe Line of Hetch Hetchy Water Supply.

Read Machinery Company of California has been incorporated. Incorporators are Wm. D. Read, Ellen Read and M. Dixon. The company will maintain headquarters in San Francisco.

HAPPY NEW YEAR

So. California Architects Elect Officers for 1932

Gordon B. Kaufmann was elected president of the Southern California Chapter, American Institute of Architects, at the December Chapter meeting held at the University Club in Los Angeles.

Other officers elected were: Sumner M. Spaulding, vice-president; Palmer Sabin, secretary; Paul J. Duncan, treasurer; Roland E. Coate, director for the three-year term; and Carleton M. Winslow, director for one year to fill the unexpired term of Mr. Kaufmann.

Delegates elected to the 1932 convention of the Institute were: David J. Witner, Robert H. Orr, Ralph C. Flewelling, Charles H. Cheney, A. M. Edelman and William Richards; alternate delegates: Sumner M. Spaulding, Reginald D. Johnson, John C. Austin, W. L. Risley, Pierpont Davis and Carleton M. Winslow.

TWO PLANS FOR L. A. TERMINAL CONSIDERED

Two plans for the proposed union railroad terminal in Los Angeles have been submitted to the California State Railroad Commission and have been referred to the chief engineer of the commission for study to determine their relative merits.

One plan proposed by the Southern Pacific and Union Pacific railroad companies provides for a stub-end passenger station to be erected in Alameda St. east of the plaza with trains entering from an approach along Los Angeles St. It would require the construction of two bridges over the Los Angeles river and reconstruction of Aliso bridge, with vehicular traffic and Pacific Electric cars carried over a viaduct 2100 feet long. The proposed station would be 500x200 feet.

The other plan submitted by the Santa Fe Railway Company calls for location of the passenger station east of Alameda St. at the Plaza with thru tracks swinging in from the main tracks at First St. and the Los Angeles river and curving back to the main lines at Alhambra St. and the river. The cost of the Southern Pacific and Union Pacific plan is estimated at \$10,000,000 and the cost of the Santa Fe plan at \$11,000,000.

Estimate for the larger cost saw-mills of British Columbia indicate that lumber production in that territory declined from 1,113,348,000 feet for the first nine months of 1930 to 826,620,000 feet for the first nine months of 1931.

LOW BID REJECTION RULING IS ANNOUNCED

The War Department announced, on December 14, 1931, changes in General Orders No. 4, office of chief of engineers, 1930, having to do with the approval of contracts awarded to other than the lowest bidder.

Par. 719.1 is changed to read as follows:

Par. 719.1. Contracts Requiring Approval.—When contracts require the approval of higher authority, the abstract of bids, accompanied by one copy (the original of which, bid received, will be forwarded, with recommendation for action, to such higher authority for approval antecedent to any action thereon which obligates the Government.

Before recommending award to other than the lowest bidder, the district engineer will advise all lower bidders in writing of the grounds on which recommendation for the rejection of their bids is contemplated, and will further advise them of the reasonable period, usually not exceeding five days, in which they may file with him a written statement showing cause why their bids should not be rejected. Copies of such letters to bidders, and originals of protests received, with the district engineer's comments thereon, will be forwarded with the abstract of bids.

When approval of award is within the authority of the division engineer, the latter will immediately report his action thereon to the chief of engineers, with a copy of the abstract of bids and of the recommendation of the district engineer. If award be made to other than the lowest bidder, copies of the district engineer's letter of advice to lower bidders, of protests received, and of the district engineer's comments thereon, will also accompany the report.

1930 LUMBER CUT 26 BILLION FEET

The U. S. Census Bureau reports production of 26,051,473 M feet of lumber by 15,910 mills in 1930, as compared with 35,872,132 M feet, the cut of 20,045 mills in 1929. The cut of Douglas fir in 1930 was 6,453,043 M ft. compared with 8,688,700 in 1929; that of Southern pine was 7,450,238 M ft. in 1930 and 11,625,385 M feet in 1929.

Hardwood cut in 1930 was 4,728,687 M feet and 7,058,787 M feet in 1929. The largest mills, those cutting 50,000 M feet or more, numbered 72 in 1930 and cut 5,639,844 M feet; in 1929 this class numbered 120 and cut 9,325,088 M feet.

The cut of the smaller classes of mills does not show so great a decrease as does that of the class of greatest production.

CONSTRUCTION SAFETY INSURES DIVIDENDS

By A. P. Greensfelder, President of the Associated General Contractors of America, St. Louis, Mo.

Food, clothing and shelter being the three essential needs of mankind, the greatest number of business people devote their lives to supplying the demands for the necessities of all people. The ever expanding needs of civilization continually broaden the variations into functions beyond these three primary requisites. Life has become more than just mere existence. Through physical discoveries and mechanical inventions, man's conception of life and its values has widened tremendously.

Agriculture today is more than just the tilling of soil. It involves social and economic problems and personal independence of far deeper consequence. Farming is more than insurance against famine. It is the means to an end. Mining, manufacturing and transportation are more than just large or small problems of production and distribution, creating and supplying ever expanding desires of mankind. They increase the opportunities for leisure, education and travel.

Construction, too, the second largest industry in the country, does more than provide shelter from the elements. It is the forerunner of the world's development—the pioneer of progress. It is preeminent in its position and unlimited in its possibilities.

It is the function of constructive minds in any field of endeavor to guide that industrial group. Construction is no exception to this. The leaders, whether they be voluntary or selective, brilliant or mediocre, must assume obligations within the limits of their powers. They must conserve the resources, minimize the wastes, expand the program of construction forces and lead onward to greater speed and effort than ever before.

In considering the most essential safety—that to mankind—one must think not only of one's employees, but of the public as well. This difference is recognized by insurance companies in their public and employers' policies. The more safety, the less insurance premiums.

Constructors, as individuals, have seldom been publicity minded. The public is always greatly attracted to construction work, due to motion, noise and color as well as to each human being's ancestral trait of building inherited from the cave builder. Why not capitalize this public interest and erect safe platforms where visitors can watch construction work in progress?

Safety to employees would certainly seem desirable not only from the viewpoint of interest in our fellowmen whom we select as our business partners, but in self defense as well. Wherever one works safely, he will work with a great deal more joy and speed. Likewise, when the individual workman knows that his immediate superiors are safety minded, he rapidly becomes to himself if he stays around long enough.

One of the great hardships which confronts field construction forces is the fact that an employee is likely to work for many employers. Men follow the work rather than the employers. In every large community there are pools of construction labor from which are drawn particular craftsmen by various employers as work of their specific craft is reached on a structure.

If one of these employers tries to educate the man on safety and the next one does not, it makes for confusion in the employee's mind.

A suggested cure for this situation is the employment by construction employers in a community of a common safety engineer co-operating with the various insurers. Either through misunderstanding of the need or from jealousy, insurers have yet to co-operate in providing a joint safety engineer who can go from job to job in a city and check up the safe practices of the workmen. When better co-operation displaces this sort of jealousy or when ever you may call it, safety work will progress more speedily than ever.

Fine Safety Records

There are many instances, recently published, of jobs where excellent records have been made on safety work. Great credit is due these employers and their staffs for such intelligent leadership as well as to the employees for their excellent co-operation. Through the courtesy and generosity of a number of prominent contractors in the Associated General Contractors, prizes have been offered for safety performance by A. G. C. members.

Eight years ago, active co-operation was brought about between the National Safety Council and the contractors' national organization. Ever since that time the association has been rapidly selling its membership on safety work in co-operation with the National Safety Council.

As chairman of the first safety committee of The Associated General Contractors of America at that time I made a study of the safety programs as practiced in the various states. As a result I suggested Ten Commitments which are given here, as they seem just as pertinent today as they did then.

In recent years the A. G. C. has had a safety director and has followed a definite safety program. Through the efficiency aid faithful services of the safety director, W. R. Richards, the association has been gradually expanding its program of safety work. The Safety Manual has been issued by the hundreds and its increasing demand is very encouraging.

In order that men may not be unduly overtaxed, perhaps more frequent physical examinations might become the rule. Men who are not in the prime of condition should not be assigned to certain work. Certainly the near-sighted should not be permitted to walk steel beams in mid-air. An employee who is ruptured should not be placed at heavy lifting. Men with deformities should not be entrusted with the operation of machinery, if other are depending upon it. Men who are not quick-witted should not operate hoists, nor should men be forced to undertake work beyond their strength or endurance. Apprenticeship tests should perhaps be applied not only to apprentices who are just beginning to learn, but to the older employees who are novices at certain work.

Improving Equipment

The improvements of safety equipment is progressing very fast. Monoxide detectors, safety alarms on hoists, amplifiers with loud speakers at operators' elbows are just a few of the

more recent contrivances which tend to produce more safety. Safety signs, painted guards and other devices are rapidly becoming standard practice, which employees are taking to as readily as the employees.

Unless machinery is operated safely, great losses can occur through careless operation. The derailment of a locomotive on a passenger train can create a great public catastrophe. At the same time the loss of the locomotive and cars may add up into a large sum.

The same applies to dirt trains, operating locomotive cranes and steam shovels. The wreckage of machinery totals into large sums each year. It is imperative to impress upon operators the great importance of care and the necessity of safety at all time. Safety permits the payments of dividends which would otherwise be impossible. Contempt for human lives is one of the hall marks of barbarism. While we should be merciful of men, we should be mindful of machinery.

Accidents to machinery mean delay to the work, needless unemployment while awaiting repairs and comprise one of the waste elimination factors which must always be kept in mind. Mr. George Widus, manager of the Welfare and Insurance Department of Woods Brothers Construction Company of Lincoln, Nebraska, and general chairman in 1931 of the Construction Section of the National Council, has recently prepared an excellent article on how "Care Cuts Lost Time on Construction Jobs for Woods Brothers."

Safety For Materials

Safety in operations includes safety for materials. Loss of materials from fire is enormous. The Committee on Construction Operations of the National Fire Protection Association has recently published its first report entitled "Recommended Good Practice Requirements for Construction Operations." This report covers the fire hazards of buildings in course of construction and methods of fire prevention and control. These recommended Good Practice Requirements were tentatively adopted at the annual meeting of the National Fire Protection Association last year, and should be studied with care. When men like W. J. Barney, president of Barney-Ahlers Construction Corporation, Charles S. Hill of Engineering News-Record and others who are members of the committee, can take the time to point out the necessity for fire-proofed scaffolding, not-readily-returned salamanders, proper fusion welding and cutting process, etc., we should all take heed.

The use of salamanders and the heating of concrete materials deserve special attention. The increased use of fire proofed scaffolding, particularly when same remains in place for weeks at a time, is rapidly justifying itself.

John W. Cowper, past-president of the Associated General Contractors, has long been a leader in accident prevention. In his address before the Construction Section of the National Safety Council, two years ago, he accentuated the need of safety work, not only by the contractor, but also by the subcontractor. When a hammer is dropped, it makes little difference

whether it is dropped by a fellow employee of the contractor or by a careless worker of the subcontractor. The chances for damage are just as great.

Safety codes are of two kinds. That which is prepared by various elements of the construction industry who know and understand the problems from safety experience, and the dogmatic safety code as a part of the law. One is flexible; the other inflexible. One is unusually intelligently prepared and interpreted; the other becomes a letter as well as the law.

Our association has suggested that the General Conditions of the Fifth Edition of The American Institute of Architects' Form of Contract include a safety clause so that all bidders will know that safety requirements will be equally enforced regardless of the bidder. This places everyone on the same plane, and does not permit individual bidders to decide for themselves whether the expense for safety is warranted on a particular job or on yearly basis.

When codes are made legal instruments there is no good place to stop in describing details. Frequently, therefore, inspectors, experienced or otherwise, through animosity or for other various reasons, can make for unpleasantness.

It is not enough for employers of labor to confine their interest to job safety or only to the men while on the job, which is less than one-third of their total time. I know of a very large job in the Middle West which lasted for two years. During that time more accidents and lives were lost by employees on public highways going to and from their work than on the work itself. This may seem irrational, but it is true nevertheless, and the injured included several of the high construction officials.

Hazard On Highways

The ever increasing motor vehicle registration, including 23 million passenger vehicles and nearly 3½ million motor trucks, makes one realize the highway hazards.

The public taxes itself to provide traffic signals to increase the safety of transportation, doctors urge practices to safeguard individual and public health; industry spends enormous amounts to safeguard its factories against fire and builds its buildings safely in order to protect its occupants. When a member of an employee's family suffers injury, the whole morale of that family is disturbed and the man himself is upset and disheartened. As a result, very often he is made careless by his anxiety, is apt to have an accident himself and is not rendering service due his employer.

There is a great need of safety in the home and in recreation. Parents owe it to their children to insist upon safety in the home and play as well as when crossing streets. It is likewise due to children that parents should take no chances around the home, with fire, broken stairs and falling. When a member of an employee's family suffers injury, the whole morale of that family is disturbed and the man himself is upset and disheartened. As a result, very often he is made careless by his anxiety, is apt to have an accident himself and is not rendering service due his employer.

It is impossible to carry sufficient premiums and an adequate amount of insurance against all hazards. Therefore, it should behoove all parties at interest in construction to safeguard the job.

The Associated General Contractors of America are having surveys made by various insurance groups in an endeavor to have a new policy written to be known as "structure" insurance. Just as, years ago, some one initiated fire and tornado insurance, so today it is believed essential to originate another type of insurance which will cover all modern needs. It is hoped

that it will protect those constructing a structure during its erection from damages "however caused." This "all risks" policy would include fire and tornado risk as well as explosion, earthquake, bomb, riot, civil commotion, damage from airplane or collapse. Thus, the writing of such a policy may insure dividends from structural loss.

Prevention of accidents insures the dividends of "life, liberty and the pursuit of happiness" to every employee and the employers themselves. When a job is not safe for an employee, it is not any more safe for the employer who makes the rounds of his own work, or who hazards the life or limb of his supervising executive.

Safety also insures the payment of dividends through the preservation of a company's surplus. I can distinctly recall a company which was put out of business several years ago, after a serious accident had occurred on one of its jobs. It took the courts several years to decide upon the liability, but when they did, the result was the complete extinction of that company in the midst of a lucrative job. Construction safety, therefore, does actually insure dividends in more ways than one.

The excellent safety calendars issued by the National Safety Council are fine samples of its educational work, exemplifying the manifold safety problems and stressing the need for eternal safety for each day of every year.

No insurance other than eternal care can insure personal and company dividends. We can all concur, therefore, and co-operate in joint and individual programs for construction safety. Let us strive to make this a record breaking year in safety dividends!

L. A. Public Works During 1931 Exceed 14 Million Dollars

Public works completed or accepted in Long Angeles during 1931 totaled \$14,456,620.80, according to a report by City Engineer J. J. Jessup on file with the board of public works. This was but slightly under last year's figure of \$14,838,998.40.

The construction of the past twelve months included 106.45 miles of paved streets and alleys, 120 miles of sidewalks, 150 miles of sanitary sewers, 15 miles of cement curbs, 37 miles of storm drains and 5 miles of oiled roadways.

Some of the larger projects included the following:

Fourth St. viaduct across Los Angeles river, \$1,246,635; Cahuenga Blvd. and Yucca St. paving, \$813,613; Figueroa St. tunnels, \$652,789; Eighth St. paving, \$571,591; Sunset Blvd. paving, \$553,601; Broadway paving, \$486,270; Olympic stadium enlargement, \$454,000; Olive St. opening, \$373,925.

Important works scheduled for 1932 include 17 pedestrian tunnels, West Blvd. bridge over Venice Blvd. and the San Fernando bridge at Tunnel station, to cost approximately \$1,500,000. There are 98 other projects totaling 69 miles of street improvements.

WHEELING TILE APPOINTS O'CONNOR

Thomas F. O'Connor, well known to the tile trade on the Pacific Coast, has been appointed representative of the Wheeling Tile Company of Wheeling, West Virginia, to succeed the late Norton C. Hulse.

O'Connor will maintain headquarters at 450 Fourth Street, San Francisco, where a complete stock for floor and wall tile, as well as accessories and electric heaters will be carried.

STORMS BRING BIG LOSS TO CONTRACTOR

Unestimated damage was done last Sunday night to the Moulton break wiler, now in course of construction near Colusa by the contracting firm of Lord & Bishop of Sacramento, when the Sacramento River broke through a temporary earthen levee when the stream reached the 20-foot mark, following rains in the upper valley.

The contractors had been working about thirty days on the project, located ten miles above Colusa. Piles of lumber used on constructing concrete forms for the big dam have been swept away in the torrents. It is estimated that about \$12,000 worth of cement has been ruined and considerable gravel and sand washed away. All the equipment of the contracting firm, with a value of \$100,000 is under water.

Those in charge of the work state that it will be necessary to await the receding of the waters before the extent of the damage or the delay on the project can be ascertained.

REHEARING DENIED IN FRIENDLY SUIT ON G. G. BRIDGE

A rehearing of the "friendly suit" of the Golden Gate Bridge and Highway District litigation, in which the district's validity was withheld, has been denied by the state supreme court.

Six justices affirmed the decision, Associate Justice John W. Preston dissenting. Justice Preston also dissented to the original majority decision, declaring "expediency" had been considered in affirming the bridge district's legality.

The court also ordered modification of the original decision, striking out reference to the fact the bridge district "appeared to have arranged for payment of costs incurred in the litigation" by the respondent, Secretary W. W. Felt of the district. The modification changes the phrasing to:

"It appears the bridge district agreed to reimburse the respondent for the expense of litigation in the event that bidders for the bonds did not do so. It likewise appears, however, bidders for the bonds have agreed with respondent to assume payment of expenses of the litigation and that there is no agreement with such bidders and the district for reimbursement from the district for such expenses."

NO MARKET FOR SACTO. SCHOOL BONDS

No bids were received for the \$1,146,000 bond issue voted last October for the construction of three new junior high schools in Sacramento.

The bonds had been advertised for sale by the board of supervisors but no bids were forthcoming when that hour arrived.

Under the law, Deputy District Attorney Ralph Cowing advised the board that it may readvertise the bonds for sale or sell the securities at a private sale. If the bonds remain unsold for six months, the school board may petition the supervisors to take the bonds off the market.

The bonds carry an interest rate of 4½ per cent.

Glenn County Grand Jury, in its annual report to the county supervisors, recommends the appointment of a road engineer to take charge of all county highway construction. The jury also recommends the erection of a new county hospital.

GENERAL RELIEF MONEY IF APPLIED TO CONSTRUCTION PERFORMS DOUBLE SERVICE

Money now being collected for general relief could do double service if applied to needed construction, it is declared by the Construction League of the United States, recently organized to co-ordinate and to stabilize the national building industry under the leadership of Robert D. Kohn of New York, president of the American Institute of Architects. There can be no economic recovery while construction remains at its present low ebb, it is asserted.

National, state, county, and municipal bond issues are urged to speed construction, to "relieve" relief agencies, and to guard against making public charges of the unemployed.

The statement of the League, composed of leading organizations devoted to construction, including architects, engineers, contractors, sub-contractors, labor, and producers of materials, is issued by a public information committee of which Horace W. Feaslee of Washington, a representative of the American Institute of Architects is chairman. It follows:

"With due allowance for the confusing interlocking wheels of business, the Construction League feels justified in sustaining the conclusion reached by many others that there can be no general improvement in economic conditions so long as construction work lags throughout the country.

"At the present time, sixty per cent of the skilled workmen and laborers of the country are idle. This represents one of the country's largest earning and buying groups, who are not only now deprived of buying power but, unless conditions change, may become public or semi-public charges, further depressing the depression.

"This statement is not advanced with prime regard to the interest of the construction industry. The League, in fact, is merely supporting many independent expressions of like opinion. But it is important to point out how some of the money now collected for general relief could do double service, if applied to needed construction.

"The League realizes that immediate and generous relief is necessary this winter, but such relief produces no economic return. The League places itself on record as emphatically op-

posed to Government doles, total economic losses which provide no economic returns and involve far reaching effects on the morale of the citizenship and on problems of Government. Every man should be afforded an opportunity to earn his living. Where relief funds are distributed in return for labor and materials, buying power can be restored and tangible results obtained, all of which will tend to bring back better economic conditions.

"For these reasons, the Construction League calls attention to the present low cost levels of construction, with the advantage to public and private interests of proceeding at once with construction work of all kinds—highways, utilities, building programs, as well as home building, modernization and furnishing. Here arises, however, the factor of financing, on which certain groups are already working, and from them definite recommendations and assistance must be forthcoming.

"As a major element in this movement, the Construction League urges that wherever possible institutional, municipal, county, state and national bonds be issued, for needed construction works of all kinds. The present low level of construction costs, to a large extent, offsets the costs of immediate financing. Such costs have already been taken in several instances, of which one or two notable examples may be specially cited.

"Kansas City, by a \$38,000,000 bond issue, has largely relieved the present situation of unemployment, and is also stabilizing its business conditions for the immediate future. In Indiana, a remodeling and modernization program, known as the Muncie Plan and sponsored by the Indiana Building Congress, has been so effective that one trade is reported to have urged that further efforts be suspended, as it is overloaded with work.

"Thus it may be seen that the stimulation of public construction works means not only employment but to some extent relief for overburdened community chests, restoring buying power and encouraging private initiative. A tremendous forward step can be taken by doing at this time construction work of all kinds which is scheduled for eventual execution."

GROUP DESIGN PROPOSED FOR AVERAGE SMALL AMERICAN HOME

Finding that the design of the average small American house is "seriously defective," the Committee on Design recommended to the President's Conference on Home Building and Home Ownership the adoption of group design as a remedy. The committee defined design as including all the factors that create a dwelling—economic, social, financial, as well as physical. It covers the relation of the house to the lot, to adjacent houses, and to the neighborhood. By group design it means, therefore, the planning of dwellings not as isolated units but as communities. The lack of such planning it found to be the chief cause of the present low standard of design in lower-cost homes.

Group design is applied extensively in well-to-do neighborhoods, the committee stated, but rarely in houses

built for families of low incomes. Yet it is economical for it permits a more efficient use of the land, and it makes the home a better investment by raising neighborhood values. Furthermore, since the large majority of urban houses are now being produced in large groups by speculative builders, it is practical.

The committee emphasized the fact that group design is practical for all types of dwellings and has been successfully applied in multi-family dwellings, for example, the Michigan Ave. Garden Apartments in Chicago, in single-family house communities, and in combinations of these two, of example, Sunnyside, Long Island.

A major obstacle to its efficient application, the committee stated, is the habit of laying out subdivisions without regard to the buildings that are

to go on them.

The committee vigorously condemned the widespread practice of building in practically unvarying repetition of a single "standard" plan on identical lots that are too narrow. This, the Committee stated, produces a depressing appearance and contributes to rapid neighborhood obsolescence.

Of factors contributing to bad design in the individual house the committee mentioned the use of fake gables that have no relation to the roof behind them, the use of too many materials in a small home, and the attempt to make a two-story dwelling look like a story-and-a-half house. The attempt to make a row of dwellings "provide" a theatrical set for the "street" was also condemned. The attempt, the committee said, is based on the old concept of the street as a social center. Modern traffic has tended to reduce it to a service alley and transformed the interior of the block into the logical center of social and landscape interest.

In reporting on the trend of the popular types of dwellings, the committee noticed a regrettable tendency among builders to reproduce metropolitan multi-family types on extremely cheap land in out-lying sections of cities and in small towns.

The committee pointed out that an analysis of comparative costs of group and multi-family dwellings of the same standard will show that in most cases the single family group row house is likely to be economical on land that is low in value but not too low to bear the cost of streets and utilities.

The committee went into the costs of dwelling types, particularly of the single family dwelling. It found that as a group the row types point the way to low cost housing better than any other dwelling types reported in the larger cities. Existing row types, however, were said to represent generally a low standard of planning. A well-designed six-room house can, the committee maintained, be produced at a cost of 20 to 25 per cent lower than the same house if built free-standing.

The committee noted a tendency in the last few years for the cost of dwellings to increase due to increase in size, features, details, mechanical equipment, and to the over-elaboration of decorative effects. This complexity was condemned where it was had at the expense of sound structure and adequate space.

The committee stressed the need for cooperation among all producing elements to improve the standard of design of the small dwelling. The builder should make wider use of architects in this field of construction; the architects should interest themselves more actively in it; and realtors should insist on sound design as a sales argument, the committee said.

Above all, the committee felt the home financing interests should lend money only on sound designs instead of taking only casual interest in this subject which is now the rule. Building material interests were also called upon to collaborate in the improvement in design by supporting research in design and by emphasizing in their advertising the dwelling as an entity and not as a collection of unrelated parts.

The final recommendation of this committee was that a powerful and effective permanent agency of some sort be organized to carry on the work of the Conference after its adjournment.

Pacific Coast members of the committee included Bernhard Hoffman, Honorary Chairman, Plans and Planting Branch, Community Arts Association; David J. Witmer, architect of Los Angeles; and Carl F. Gould, architect of Seattle.

DEVELOPMENTS IN ELECTRICAL INDUSTRY DURING PAST YEAR

(By John Liston, General Electric Company)

Developmental work in the electrical industry was continued actively thruout the year 1931, and improved efficiencies were secured in practically every class of electrical apparatus. Facilities for research work were increased by the construction of laboratory apparatus of higher powers and greater refinement; machinery designs were modified; and improved materials utilized in their construction; and the field investigations of lightning, which have proved of such benefit to the power distribution systems of the country, were aided by newly developed instruments.

An outstanding example in the turbine-generator field was the 150,000-kilowatt tandem-compound unit for the Brooklyn Edison Company, the single generator of this machine being more than 50 per cent larger in capacity than any previous generator of corresponding speed. The 110,000-kilowatt vertical-compound unit for the Ford River Rouge Station was placed in successful operations. It is not only the largest high-pressure turbine but also the largest generating unit of any type so far constructed for an industrial power plant.

Two new mercury-vapor power plant equipments were under construction, each of which will have a rating of 20,000 kilowatts, or more than double the previous maximum. They will utilize the mercury vapor at a pressure of 125 pounds and will produce electric power with a fuel economy of 85 per cent.

The year was notable for the progress made in electric transportation on both sea and land. In marine work, the combined horsepower of turbine electric equipment installed or in process of construction passed the million mark. The first all-electric ship built in America for commercial transoceanic service, the Dollar liner "President Hoover," completed its first round trip to Asiatic ports; and the first ship of the largest electrically-propelled fleet ever laid down, the "Talamanca," was placed in service.

There was continued activity in steam railroad electrification, principally by the Pennsylvania Railroad, the Reading Company and the New York Central. There was also a number of installations of oil-electric locomotives and gas-electric cars for switching and branch-line operation. In the electric railroad field, the largest development was that of the New York Board of Transportation, utilizing, on a large scale, both substation equipment and new unit motor cars.

The power-supply system and control for this electrification made increasing use of the mercury-arc power rectifier and also involved the construction of rotating machinery of record size.

There was a marked increase in the number of equipments utilizing control systems actuated by photoelectric and electronic tubes for the control of lighting and power substations. These were, in many instances, applied to the direct control of industrial machinery.

The electric heating of buildings became economically feasible in certain territories due to the establishment of off-peak rates for this service, and apparatus was developed which would permit the most effective utilization of such rates.

While there was some improvement in domestic refrigerators, the major advances were those secured in com-

mercial electric refrigeration. For this service three new and radically different types of refrigerating units were developed.

Investigations which resulted in construction of a 300,000-volt x-ray tube indicate that there is apparently no voltage too high for use in x-ray or cathode-ray work. High-voltage x-ray equipment was applied in the industrial field for radiographic examination of thick sections of metal, this industrial laboratory utilizing a 200,000-volt tube.

In order further to facilitate research work, a 5,000,000-volt artificial-lighting generator was constructed. For lightning investigation in the field, special low resistances were developed to be used in conjunction with lightning-stroke recorders, and a new device called the lightning-current meter was also developed. Special field tests were made for the protection of rural distribution lines from the effects of lightning.

Exhaustive tests of great potential value were made to determine the strength of the pointer of any instruments in order to make feasible the prediction of the ability of steels of different compositions to maintain their dimensions under stress at various temperature elevations for periods as long as twenty years.

A number of meters and instruments developed in the laboratory were for the first time produced on a commercial basis. Among these were an automatic oscillograph, for switchboard or portable use, which can take as many as 100 oscillograms and chance transients and surges without attention; a coil-turn counter which will indicate the number of turns in coils for electrical apparatus with an accuracy as high as one turn in 5000; a photoelectric instrument which produces a continuous record from the movement of the pointer of any instruments; a radio noise meter for measuring the field strength of radio waves; an audio noise meter for measuring noises produced by machinery; a flux voltmeter for measuring the core losses in magnetic steel; and a moisture-content indicator operating on a neon-tube circuit to determine the moisture content of woods.

The number and aggregate capacity of transformers equipped with load ratio control exceeded the records of all previous years. The aggregate capacity of transformers, completed and under construction at the close of the year, which were provided with the oil-air pressure method of cooling also attained new high figures.

In the field of lighting a number of new types of lamps were produced, some of them developed along conventional lines but others having distinctly new features. Among the latter was a combined mercury-vapor and incandescent lamp unit for use in a windowless factory; new types of neon glow lamps for special applications; and ultra-violet producing lamps which are so designed as to permit their safe, continuous use without transformers on normal lighting circuits.

A new type of traffic control timer was designed so as to permit the planning of a complete control system for years ahead, with the control installed a unit at a time and capable of being modified to adapt it to changing traffic conditions.

In presenting a review of these and

many other developments which occurred during the year, all the apparatus referred to are products of the General Electric Company. These cover such a wide range that the references will serve as an indication of the tendencies in design and construction as well as the general progress in the electrical manufacturing industry of a whole.

SO. CHAPTER, A.G.C., ELECTS NEW OFFICERS

C. G. FitzGerald was elected president of the Southern California Chapter, Associated General Contractors of America, at the annual meeting of that body in Los Angeles, last week. Other officers chosen by unanimous vote were:

Members of the board of directors, Engineering Division: Chas. U. Heuser, Glendale, outgoing president of the Chapter; George J. Bock, Los Angeles; Lynn S. Atkinson, Los Angeles; M. S. Ross, Los Angeles; W. E. Hall, Alhambra.

Members of the Board of Directors, Building Division: Harold R. Crowell, Los Angeles; Newell Chardee, Los Angeles; K. P. Lowell, Los Angeles; Walter J. Escherich, Los Angeles; Ray DeCarra, Los Angeles; Fred C. Snell, Beverly Hills.

Election of vice-president was deferred until the regular meeting in January, at which time the by-laws will be amended to permit the election of two vice-presidents instead of one, representing the engineering and building divisions, respectively. The new officers will be installed at the January meeting.

WAGE LAW TEST IN SUPREME COURT

A test suit to determine whether a city can hire aliens and pay wages below the scale set by the State or must obey the laws of the last legislature was before the State Supreme Court last Tuesday.

The suit was brought by the city of Pasadena against its city manager, J. W. Charles, to compel him to sign a contract to build a fence around the municipal waterworks.

The manager refused to approve the contract on the grounds it did not contain clauses covering the public works wage rate and public works alien employment acts, passed by the 1931 legislature.

Thirteen city attorneys have entered the case as friends of the court, among them John J. O'Toole of San Francisco. Also as friends of the court appear Carl W. Mueller, Albert Michelson and H. W. Hutton, attorneys for the California State Federation of Labor, and William J. Locke for the California League of Municipalities.

The city of Pasadena contends that its charter contains no such wage or employment conditions, that the charter was approved by the legislature and that it is therefore the law of the city under the doctrine of "home rule."

But the labor federation attorneys, backing City Manager Charles, hold that in receiving a charter from the legislature Pasadena "did not cease to be under the control of the legislature as to humane legislation."

Confidence, not values, has disappeared, and it is a further loss of confidence that must be guarded against, says Frank A. Vanderlip, international banker, who declares that when the people find out how to live in the new world they have built, they will see a greater prosperity than anything ever yet seen.

REVISION OF WAGE SCALES ARE NECESSARY FOR BUILDING RECOVERY

Builders throughout the United States and Canada this winter will concentrate on wage adjustment programs to bring the pay rates of building trades mechanics into proper alignment with the economic structure developed by the general depression that commenced in 1929.

This statement was made by Edw. M. Craig, the Executive Secretary of the National Association of Building Trades Employers, after completion of a survey of reports made by builders or their representatives in approximately fifty large American and Canadian cities. Mr. Craig asserted the preponderance of builders' reports are in agreement that an immediate revision of building trades wage scales is essential to any contemplated spring revival of construction.

"Builders are reluctant to reduce wages," said Mr. Craig, "and have staved off any revision in hope there would be some improvement that would warrant the present wage scales."

"But the low ebb of yesterday still is receding today and the builders of the nation are now confronted with a lop-sided economic structure that has a demoralizing effect on the construction industry. There never was any equitable comparison between the low wage that barely allowed white collar wage earners to exist and the pay received by organized building mechanics of the nation. The chasm has been widened by the fact that the white collar class, potential home owners, has been forced to take pay cuts, ranging from 10 to 40 per cent, while there has been no deviation from pay rates paid the building workers and that automatically jumped by leaps and bounds from 1921 to 1929."

Mr. Craig stated the builders are optimistic that a wage adjustment will have a healthful effect on spring building and pave the way for large programs of home modernizing. He emphasizes the point that the organized builders are handicapped by collective agreements with building crafts with their definite and specified wage rates, while the speculative contractor can have labor as low as 30 to 40 per cent below the regular rates.

Robert D. Steele, Association Statistician, points out that considerable wage adjustments have already been made in many cities, while other revisions will be negotiated during the winter months, according to builders' reports.

Building has slumped in New York, but there is in progress a large slum rehabilitation program on New York's east side calling for an expenditure of \$50,000,000 in moderate rental apartment houses. This new development is intended to provide comfortable quarters for workers in the nearby financial district. Work will commence in February.

The Boston Building Trades Employers' Association states:

"Out of the 18 architectural offices interviewed, we find almost \$34,000,000 worth of new construction frozen on account of present conditions. We feel sure a wage adjustment will mean a release of this small unit of building."

In Chicago, the small unit of building trades mechanics employed are at work chiefly on maintenance jobs and this winter will find some employment on the Chicago Post Office project and on the Field Office Building. The building program of Chicago's Century of Progress (World's Fair) will become

intensified in 1932 to enable completion before the opening in 1933.

Philadelphia: Harry A. Stone, Secretary of the Master Carpenters and Builders, states 1932 in the City of Brotherly Love will be a better building year than 1931, but only to a slight extent.

Baltimore: There is considerable state, government and municipal work planned for 1932.

Atlantic City: M. B. Markland states an investment based on the present building wages will not make a return and my opinion is that building trades wages have got to be reduced for investment purposes in addition to a very material reduction in tax rates, local, state and national.

Dayton: Residential building offers the only market for the construction industry next year.

Norfolk, Va.: Believes demolition of dilapidated homes would help a lot.

Youngstown: 1932 cannot be any worse than 1931.

Albany: Believe wage adjustment would stimulate business.

Cincinnati: Banks and building and loan associations frown on speculative building.

Cleveland: Building permits this year off 52 per cent as compared with 1930.

St. Louis: Ample funds, but demand lacking.

Minneapolis: Nothing to indicate better conditions in 1932.

Duluth: Not so hot—building prospects in 1932.

St. Paul: A. V. Williams, Secretary of Builders' Exchange, says, "We've had a good year."

Kansas City, Mo.: The last quarter of 1931 indicates recession from the slump.

Dallas, Texas: Expect 1932 to be a better building year than 1931.

Memphis: Confidence in building investment lacking.

Atlanta: General pick-up.

Los Angeles: Believes 1932 will witness the recession of that city's building from slump.

Oakland, Alameda and Berkeley: No change contemplated in 1932 wage scales. Anticipate slight increase in 1932.

Tacoma, Wash.: Money tight.

Portland, Oregon: Outlook for 1932 building not so promising.

Mr. Craig in conclusion wishes to emphasize the fact that the National Association of Building Trades Employers do not intend crusading for the half of wage adjustment. The building industry is on dead center. Reports agree that some wage adjustment will move construction off of that point and when that is accomplished, the result will be employment for the wage earners and a business revival for the construction industry.

The practicing engineers and surveyors of Rochester, N. Y., are waging a campaign to restrict engineers on public payrolls from engaging in private work. Engineering News-Record reports. City Manager Story has issued a memorandum to the employees of the city engineering department requesting them to refrain from doing such outside work. The practicing engineers and surveyors assert that a recent check shows that during October twenty-two maps were filed in the bureau of buildings. Of these, fourteen were signed by city employees; during November eleven maps were filed, of which five were signed by city employees.

Two Firms Withdraw In Equipment Merger

At a recent meeting of the National Equipment Corporation formed by the late Philip A. Koehring, of which he was president up to the time of his death, and under which six construction equipment companies were merged, the withdrawal of two units, the C. H. & E. Manufacturing Company of Milwaukee, Wis., and the Insley Company of Indianapolis, Ind., was approved by the directors and stockholders.

As a result of the action taken, Frank F. Hase, organizer of the C. H. & E. Company, and now its president and manager, is again in full control of the company, with which he has been connected for more than a score of years.

"This action was taken after several months' consideration of the problems involved and after the matured conclusion on the part of the officers and directors of each company that the best interests of both would be served thereby," said Mr. Hase.

"While this action severs the official relation between these two corporations, it is the purpose of the management of each that they shall still work together in the construction equipment industry, as for many years in the past, in harmony and close cooperation."

The National Equipment Company was formed in 1928 through the merger of six companies engaged in the manufacture of construction equipment. The Koehring company and the T. L. Smith company, both of Milwaukee, were the first to merge and Mr. Koehring was named president of the holding company. Later the Insley company, manufacturers of concrete pouring towers, and the Parsons company of Newton, Iowa, manufacturers of trench digging equipment, joined the merger and the National Equipment company became a \$9,000,000 corporation.

The C. H. & E. company, manufacturers of portable saw rigs, diaphragm, centrifugal and triplex road pumps, hoists, mortar mixers, material elevators, and small ditching machines, came in later.

The sixth concern in the National Equipment chain is the Kwick-Mix company of Fort Washington.

William J. Koehring was named president of the National Equipment Corporation on the death of his brother. No other change has been made in the official personnel.

A plan conceived by Warren Hull of Hokiama, Wash., for government aid in an extensive program of suburban and rural home building has claimed the attention of congress. Representative Albert Johnson has notified Hull that the petition, with 1000 names, is before the committee on labor, of which Representative Ralph Horr of Washington is likely to become a member.

Mr. Hull proposes that the government issue home mortgage bonds at 3 per cent interest or less. Cash derived would create a revolving fund from which a number of district banks, clearing houses for the home loans, would draw. A deputy would be in charge of each district. He would execute loans up to \$4000, secured by land and the home to rise thereon, at a sliding rate of interest the minimum of which would be 4 per cent on the first \$1000. Monthly payments would be light, the loans to be "based" on 12-year retirement, in which time the owner would realize a considerable saving over what he would pay the most reasonable private loan agencies for the same service.

PROGRESS IN ARCHITECTURE AND BUILDING IN 1931 AND OUTLOOK FOR 1932 CITED BY A. I. A. PRESIDENT

(By Robert D. Kohn, President of the American Institute of Architects)

While the past year has been one in which the architectural profession and the building industry have suffered from the prevailing lack of new work, indeed have had to meet very serious problems of unemployment, the year should not be looked upon as one entirely lost. There has been progress in many fields which should be recognized.

There has been marked improvement in the quality of architectural design. In recent years architecture has been freeing itself from some of its historical restraints. Tradition is not ignored in the best work, but its function is understood. Much of the spirit which now animates our design is indeed informed by study of the architecture of the past, but there is less imitation of its surface indications. At the same time, we must deplore the equally stupid uninformed aping of pretended modernisms.

But, despite this fake modernism, there have been during the year distinct signs of progress in architectural design and even greater progress in public appreciation of the real value of beauty in public places and buildings. It is no longer necessary to prove to the informed citizens that the good-looking city or building is an asset, not only sentimental but practical. If that principle were only generally accepted, there would be plenty of work to do in the transformation of our American cities.

Aside from actual building work, there has developed this year a better understanding of those matters in which the architectural profession must take the lead, as in the case of the housing problem. Architects have been prominent in the work of the committees of the President's Conference on Home Building and Home Ownership, some of which have produced worthwhile reports.

Certain constructive suggestions embedded within these reports should be subject for the coming year of conferences. It is recognized that a large majority of such documents are mere collections of facts about well known conditions. There are signs, however, that there may be a follow-up on the recommendations of the Committee on Design and on the admirable findings of the Committee on Large Scale Operations.

The Institute of Architects itself has taken a step forward this year, through a new committee on the Economics of Housing and Site Planning. Those interested in the study of the fundamental economics of housing are no longer considering the building of a house, or even the building of many houses, as being the housing problem.

Architects are now studying this subject from the point of view of large scale operations, rental versus ownership, the variable economic conditions of the classes of society to be housed, the effect of obsolescence and blighted areas on taxation, etc. The problem is being studied now as it never has been before with all of the old prejudices and assumptions thrown aside. The coming year's work will surely result in more light being thrown on these complex subjects.

During 1931 we have heard a great deal about governmental architecture, Federal, state and municipal. Architects have urged that we ought to secure for public works the skill, the taste, and the technical methods which have distinguished the great

private buildings of this country. They have urged that governmental architecture should be freed from the formalism of official architectural bureaus.

While architects in private practice are undoubtedly interested in getting this work for themselves, they urge a change from bureaucratic control primarily because of a conviction that thereby better architecture will result; designs more consistent with local needs and climatic conditions.

The building industry as a whole has supported the architects in this contention, believing that if a larger share of this work is in the hands of architects in private practice better contractors are likely to be employed, men familiar with various localities, men who will have better relations with local labor and a more general knowledge of local materials. The coming year ought to show definite results from this agitation.

Perhaps the most promising moves of the year 1931 have been those that led toward a better coordination of the efforts of the various functional elements of the building industry. Since 1921 the movement to establish local Building Congresses in various communities has made real progress. This year Congresses in Detroit and Northern California were organized. Three or four cities are just starting similar movements. Perhaps fifteen cities are now so organized.

Now a still broader plan of action has been started, the beginnings of a national movement to provide a center of co-operation for all of the national organizations within the building industry. It is called the Construction League of the United States. It is intended to be a conference body only, each constituent organization learning through this medium what the others are doing, and then deciding for itself whether or not it will help to further such measures as tend to improve the quality of the public service of the building industry.

The architects of the country have encouraged the formation of this Construction League, as they promoted the Building Congress movement, in order that the industry might move towards a better understanding of its powers, the functional relationship of its parts, and the interdependence of each element upon the others. If we are ever to attempt planned production in this country, or an economic council to guide industry, our building industry in this year 1931, through the Construction League, has put itself in the way of getting ready to do its part.

I leave to the prophets to say whether the outlook for 1932 is good or bad as far as actual work of construction is concerned. I can see no great upward turn in the volume of construction for 1932 even at present price levels, since new buildings can only be financed when they show the customary (or even an extraordinary) profit on investment.

Something might have been accomplished for the unbidding of the construction industry in 1932, and we been ready with a plan to raise special relief funds to be used as secondary financing for low cost housing, slum removal and reconstruction, and similar now impossible ventures in betterment.

But, as it is, the architects are devoting themselves to doing their share

to keep the wheels moving, and to make of the building industry a conscious unity with a common purpose, despite the diversity of its functions. The professional men are, and must continue to be, the leaders in this movement.

Reinforced Concrete Pavement to be Topic At Road Builders Meet

Recent practical developments in the design and construction of reinforced concrete pavements and bases are being studied by a committee of the American Road Builders' Association. Results of the investigation will be presented at the 29th annual Convention and Road Show in Detroit, Jan. 11-15, 1932. The committee work is in charge of C. E. Foster, chief engineer, Michigan State Highway Department, Lansing, Mich., as chairman.

Steel reinforcement, when properly designed and placed in concrete pavements and bases, increases their useful life and reduces their maintenance cost, according to most recent research conclusions.

Each year more engineers engaged in constructing and maintaining large mileages of concrete in severe climates are turning to reinforcement as an aid in combating the usual effects of moisture and temperature changes.

Simple designs and practical methods of constructing reinforced pavements and bases are discussed in this report.

FORTY-ONE PASS AS STRUCTURAL ENGINEERS

Authority to use the title "structural engineer" has been granted by the Board of Registration for Civil Engineers to the following registered engineers:

Wilhelm Adrian, Archibald A. Brown, H. J. Brunner, Thomas F. Chace, Erie L. Cope, Maurice C. Couchot, William P. Day, W. H. Ellison, Ernest D. Francis, John D. Gallaway, S. S. Gorman, Frederick E. Hall, Walter L. Huber, A. M. Nishkian, Trygve Ronneberg, Jesse Rosenwald, Earle Russell, A. V. Saph, Jr., C. H. Snyder, Felix H. Spitzer, Harry E. Squire, Kaj Theill and H. C. Vensano, San Francisco.

Harry W. Bolin, Charles N. Bley, Francis J. Clapham, and Victor H. Poss, Berkeley.

Merton C. Collins, Russell H. Cooley, Will G. Corlett, Robert D. Dalton and Francis B. Plant, Oakland.

Clarence H. Kromer and D. C. Willett, Sacramento.

R. C. Buell, San Anselmo.

Edwin L. Bruner Paul Jeffers Blaine Noice and J. G. Middleton of Los Angeles.

Charles J. Erickson Beverly Hills. Walter Putnam, Pasadena.

Edwin R. Cotton, an aide of George C. Diehl, highway superintendent of Erie County, N. Y., was arrested last month, charged with violation of section 162 of the educational law of New York State by practicing professional engineering illegally. The warrant was sworn to by Fletcher H. Burke, representing the New York State Society of Engineers. Cotton was released under a bond of \$250 and trial was set for Feb. 25. Specifically, Cotton was charged with doing the work of an engineer in drawing up plans and specifications for the construction of a sewage treatment and disposal plant at the Erie County home and infirmary at Wende.

BUILDERS REPORT THAT HOME BUILDING COSTS CAN BE REDUCED

The reduction of costs of construction of small houses may be brought about by accurate estimating and cost accounting, by the use of standardized quality materials, by proper use of labor saving devices and equipment, and by proper job organization, the Committee on Construction told the President's Conference on Home Building and Home Ownership. The committee, which is made up largely of builders, stated that at present houses are not produced as efficiently as automobiles and that the building industry may learn a lesson in the reorganization of its processes by a study of the automotive industry. In its survey of building practice, materials, codes and construction organization the committee recommended a large number of steps calculated to increase the efficiency of the building industry.

Under the heading of building practice the committee listed a number of failures in construction details, such as, cracked plaster and leaky roofs, and the variety of causes to which such failures can be traced. It found that comparatively few builders use regular standardized forms for details, estimating contracts, cost accounting, and job scheduling. It recommended, therefore, the use of complete standardized forms.

Builders should emphasize the fact that comfort and custom are not synonymous, according to the committee, and should consider the following topics with a view to effecting economies: "The simple plan versus the complicated plan or design, coordinated with materials; elimination of cellars and attics; type of foundation; room dimension to meet stock sizes of lumber; standard framing, doors and windows; location of bath and kitchen so that short length of pipe may be used; efficient placing of heater; lath and plaster versus wall board; spray painting; pre-fabricated construction units and interior fixtures; elimination of back stairs; a smaller number of interior partitions; possibilities provided by central heating plants; elimination of false appurtenances including false fireplaces and gables; and the use of well-seasoned lumber throughout." Many builders do not make use of the labor saving equipment available, the committee found, especially in individual dwelling construction. "Contrary to the general opinion of many materials, the building field, portable forms, ready-mixed concrete, plaster mixers, power drill, and paint spraying equipment, are used comparatively little even on large scale building operations."

The committee stated that if every potential home buyer knew as much about house construction as he knows about the other products he buys, the standards in building practice would automatically rise. "Attractive backrooms and kitchens will in many cases do more to sell a house than construction of good quality because they are the features which the sales organization demands of the builder."

Therefore, said the committee, educate the buyer. Programs for keeping builders, foremen and mechanics constantly informed on modern methods of construction were warmly urged by the committee. Education by motion pictures, photographs, and drawings, and practical demonstrations, were said to have been successfully tried. The fact was emphasized that pride of workmanship is vital and it was urged that some form of recognition, such as a prize or a bonus, be given for meritorious work.

Another practice recommended for

reducing construction costs was the extension of winter construction. The committee quoted the results of an investigation made in 1924 to the effect that the stoppage of winter work was due to custom rather than climate.

Grade marking, trade marking, and other means of identifying good grades of materials are of commercial value to both the buyer and seller, the committee reported, in discussing building materials. When standards of quality and quantity are more widely adopted they will constitute an important factor in insuring quality construction at reduced cost.

That much manufacturing is still being done on the job which could now be done more advantageously in a mill at less cost seems obvious, the committee said. Pre-fabrication of windows set in frames, of doors fitted to frames of stairs, and of interior furnishings was recommended for consideration.

Uniform building codes are both desirable and possible in the main, the committee reported, and uniformity of presentation of code requirements would tend to better observance of regulations. "Building regulations can be a hampering influence upon architectural and engineering design, through the perpetuation of requirements which have lagged behind developments in engineering knowledge. This delay in progress involves an unnecessary cost to the public."

The committee found that a large percentage of homes are constructed without supervision and as a result many are so poorly built that considerable sums have to be spent on repairs within a few years. Therefore, recommended the establishment of a central inspection bureau and called the attention particularly of home financing organizations to the desirability of providing inspection service for their clients.

In conclusion the committee reported that there are too few home building organizations giving attention to the construction of homes for families living on \$2,000 or less per year. It urged a study to meet the demand for homes costing \$5,000 or less.

Unfavorable publicity in criminal trials following the failure of 2 building and loan associations in Seattle has resulted in a voluntary decision by Washington building and loan institutions to file and publish statements of their condition on the same days as state and national bank calls, says Business Week. Many of them will furnish sworn statements. Officials believe this move will serve to bolster up public confidence, which they feel has been unwarrantedly weakened.

CAMP TO MARKET TOCH BROS. GOODS

Fred Camp has been named special representative for Toch Bros. technical paints and waterproofing compounds. Transit Concrete, Ltd., of Oakland and the agents for Northern California and in San Francisco. Camp will operate in conjunction with the Golden Gate Atlas Materials Company of San Francisco. He was formerly associated with the sales organization of the Berger Manufacturing Company.

Accommodation in the different Canadian national parks ranges all the way from large modern hotels, to log cabins and tents.

A. G. C. TO DISCUSS CERTIFIED APPRAISALS

Clyde A. Mann, Director of Certified Building Registry, to lead Discussion at Milwaukee meeting next month. Recommendations of the President's Conference on Home Building are cited.

The subject of "Certified Building Appraisals" has been assigned a place on the program of the 18th annual convention of the Associated General Contractors of America, the first since the convention in San Francisco, at Milwaukee, Wis., January 18-21.

The discussion of the subject will be led by Clyde A. Mann, director of Certified Building Registry. In accepting his invitation to this place on the program Mr. Mann pointed out that rating is a service to sound appraisals, but is not in itself appraising. The precise information about structures which has been notably lacking during the recent epidemic of wildcat appraising and over-financing may thus be had by the appraiser who cannot attempt to know the structural details as he would like if conscientiously trying to arrive at sound values.

Mr. Mann stated that the certifying of buildings can be done only upon a rating basis unless the minimum merits are to be known and thus furnish incentive to the builder by recognition of merits above the minimum. The appraising of buildings necessarily involves many considerations other than structure, and requires an entirely different training than the technical sort essential to supervision and inspection of construction work.

The text of the Construction Committee's report to the recent President's Conference on Home Building refers very emphatically to the importance of better inspections than have been the rule in the past. Following is the text as submitted:

Item 9—Inspection

(A) Architectural and Engineering. Lack of proper inspection during the construction period has probably been the greatest contributing cause to the terrific losses that have accrued to the purchasers of homes, and one of the greater causes for the recession in home building.

People can live with some degree of comfort in a house that is badly planned and poorly designed, but they cannot live comfortably in a house that is poorly built.

The average purchaser of a house has his budget carefully planned so he can meet all of his payments on principal and interest and complete the purchase of the house according to his agreement. He has found, however, in thousands and thousands of cases, that he has had to, almost immediately, begin spending his money to repair defects in construction or supply omissions. To keep his home habitable, to the end that he has defaulted on his payments, lost his home and had something vital knocked out of him as a citizen. In countless cases the lending agency taking back the house has found that the re-sale value was not sufficient to cover the first mortgage loan. Groups of houses of this type go down to a lower scale of occupancy, deterioration and obsolescence are rapid, and a new "slums" district is started.

The value of and insistence on intelligent inspection cannot be too greatly stressed by this Conference. It is one of the most, if not the most, important item.

It should be a condition of all lending agencies that every house upon which a loan is made should have honest inspection for the protection of the lender and the purchaser.

(B) Certified Construction. There is

no reason why the construction of a house should not be "certified to" just as a Lloyd's agency certifies to the construction of a ship. With such a Certificate of Construction, a lending agency would be safe in making enough larger loan on better terms to more than cover the cost of the necessary inspection. The loan would be safeguarded, the purchaser would be protected, and the useful life of the house and the neighborhood would be greatly extended.

It should be as safe for a man to buy a house as to buy an automobile or set of furniture, and it should be as safe to loan money on the house as to loan money on the automobile. Some form of "Certified Registry" similar to Lloyd's is one of the first important steps in this direction. It should be mandatory that lending agencies insist on adequate inspection and that a certificate of inspection from a capable architect, contractor, or agency be turned over to the purchaser at the time the sale is made.

(C) Service by Central Bureau. Where it is impossible to employ an architect to give supervision the best results will be obtained. It is the architect's, as well as the owner's, best interest to see that the house is well built.

In many cases, however, probably a great majority, it is impossible to engage an architect's service.

Central Bureaus should be encouraged where inspection can be organized and systematized and reliable service given at low cost. Their Certificate of Inspection should be an accepted guarantee of the quality of construction and of the mechanical installations in a house. Their inspection should be accepted by cities, villages and utility companies.

(D) And thus save the project those separate inspection fees, which would contribute to paying the cost of the more complete inspection.

Central Bureaus should be encouraged by the Government, and should be sponsored by insurance companies, banks and mortgage loan associations, such as the National Underwriters' Laboratories are sponsored by the fire insurance companies. Their "Certificate of Inspection" should be just as authoritative.

Great progress has already been made in attempting to organize bureaus to give inspection and to issue registered certificates, but so far the proper support from lending agencies has not been forthcoming. This Conference should stress the importance of a study of this whole situation.

(E) Construction Standards. The Department of Commerce has done a great work in advocating certain construction standards, and in familiarizing the public and the building fraternity with these standards.

The best insurance that good materials will be used and that they will be well constructed is by (a) the careful selection of a contractor and (b) the careful, intelligent inspection of the work during the construction period. To go into a discussion of construction standards in detail seems beyond the possible scope of this comment.

STATE FILES BRIEF AS AMICI CURIAE ON WAGE AND ALIEN LAWS

The City of Pasadena having recently brought mandamus proceedings against J. W. Charleville, city manager, to compel him to sign a certain contract which did not contain a clause providing for the payment of the prevailing wage for work performed under said contract, and also providing that no aliens be employed under its terms, in accordance with the laws passed in 1931, the California State Federation has entered the case as amici curiae, and has submitted a brief prepared by its attorneys.

The brief maintains that there has been a failure to state sufficient cause for the issuance of a writ of mandate, but on the contrary, it appears therefrom that the refusal of the respondent city manager to sign a contract for the erection of a fence around the reservoir of the City of Pasadena, because of the failure of the board of directors to comply with the prevailing wage rate act of 1931 and the public works alien employment act of 1931, not only justified, but it was the duty of the respondent to refuse to sign said contract on account of said omissions.

Charter Does Not Exempt City From Law

"It is admitted by the petitioner," the brief continues, "that said two acts are constitutional, but it is claimed that said acts do not apply to the City of Pasadena, because said city has a charter, and that the Legislature has no power or authority to interfere with so-called local 'home rules' of such chartered cities. By receiving a charter the City of Pasadena did not cease to be under the control of the Legislature as to humanitarian legislation. If, for any reason whatever, the respondent city manager was justified, then the writ of mandate should not issue. It is admitted by petitioners that the public works alien employment act is constitutional and that there is no provision made for that matter in the charter of Pasadena. This is sufficient reason for the refusal of the writ, without even considering the other public works wage rate act."

The State Federation of Labor argues that the Legislature is in full control as to humanitarian legislation, and on this point cites many authorities.

Another point made by the attorneys for the State Federation is that, no mention being made in the charter of Pasadena of the matter of alien employment and wage rates, the general law of the state prevails. Many California authorities are cited to sustain this point.

Irrelevant Citations of Petitioner

Authorities cited by the City of Pasadena, the petitioner, that the City of Pasadena is not subject to control by the Legislature, are not in point, it is argued, and additional decisions involving compensation of city firemen, school directors and others are "certainly not applicable to the case at bar," because such employees of the state cannot be classed as laborers and mechanics, and do not work for contractors, but are employed direct by the state, or by one of its subdivisions, and are mostly under civil service rules.

The contention that the law is unconstitutional is made light of by the attorneys for the Federation, and the stress is laid on a statement of one authority that "the rule is well settled that the legislative determination that facts exist which make the law necessary, must not be set aside or disregarded by the courts" unless the leg-

islative decision is clearly and palpably wrong and the error appears beyond reasonable doubt.

"The two acts herein are in line with humanitarian, progressive legislation of other states," says the brief, which continues: "The Legislature of California is not the first to provide for the protection of laborers and mechanics as outlined in the acts in question before this honorable court."

"The public works wage rate act is similar to the federal law recently adopted by Congress and by several state legislatures, and was included in the eight-hour law of the state of Kansas in force since 1891, and held constitutional in *Atkins vs. Kansas*, 191 U. S. 207."

Human Superior to Property Rights

Referring to the contention for the petitioner that "it is just the same as if the legislature required a prevailing rate for materials such as lumber, cement, etc., and penalized the purchaser at less than the declared price," the brief argues that this is classifying human beings in the same class with lumber, etc. "This is the old slavery argument, used before the civil war," argues the Federation. "But we are now living in another century, where humanitarian legislation has progressed to the point that the legislatures of all the states have passed laws for the protection of even dumb animals and have declared that even such animals are entitled to greater consideration and protection than a mere piece of lumber."

The California State Federation of Labor is represented in the proceedings by Carl W. Mueller, H. W. Hutten and Albert Michelson, all of San Francisco.

A.G.C. MEETING SET FOR MILWAUKEE

The thirteenth annual convention of the Associated General Contractors of America will be held in the city of Milwaukee, with headquarters at the Schroeder Hotel, between January 18 and 21. President A. P. Greensfelder of St. Louis, Mo., will preside.

The intensive work of the association, with its headquarters staff at Washington, D. C., will be reviewed. Combined problems of normal and abnormal times will receive their impetus at the several sessions and started on the way to improving the construction industry. The national association has been active in credit reform work, safety and skill among workmen, promoting free labor as against convict labor, establishing of a Bureau of Contract Information and furthering interests of the responsible contractor. It has joined hands with other national associations in the industry and is now prominent in the work of assisting and developing the Construction League of the United States which will act readily as a clearing house for the industry at the national capital.

Milwaukee will attract members of the association from all parts of the country. Speakers of national prominence and leaders in the industry and its related workings will be on the construction program. President Arthur Bentley of the Milwaukee Chapter has twelve committees serving to promote and entertain the delegates as well as their wives, sons and daughters. The leading industries of Milwaukee and the business men as well as lending their support to assure a successful convention and a most enjoyable time for all.

tion. Fred Mlick has recently been appointed engineer in charge of sewage treatment plant equipment sold in the Pacific Coast territory of Link-Belt Company. Pacific Division, and Plant Avenue, San Francisco, California. Mlick brings to the coast a broad knowledge of sewage works engineering and design. His services are available to consultants and municipalities who may wish his co-operation.

STRUTHERS HEADS

STATE BRANCH OF

A. G. C. OF AMERICA

Jack Struthers of the Raymond Concrete Pipe Co. will head the State Branch of the Associated General Contractors of America for the year 1932, following his election last week at the close of the convention of the state branch and the annual meeting of the Northern California Chapter of the big construction organization. Melville Dozier Jr., manager of the Southern California Chapter at Los Angeles, will be secretary-manager of the state organization.

The new directors of the Northern California Chapter are K. K. Bechtel and John Phillips, both of San Francisco. C. W. Wood of Stockton was re-elected to succeed himself. These men with A. J. Crocker, Geo. Pollock, Adolph Teicher Jr. and R. D. Watson will meet in San Francisco December 28th to elect officers for 1932.

The convention was held at the Fairmont Hotel and closed a two-day meeting with an extravagant banquet-entertainment, a most novel and interesting event culminating an intensely, worthwhile program of discussion of problems vital to the construction industry, in which the A. G. C. long has taken the lead.

Urging continued construction on the part of the State further to reduce the ranks of the unemployed, advising new teeth in old laws and calling upon public bodies to eliminate the evils of sub-contracting, as the California State Highway Department already has done.

The evils of too much and too free credits, convict labor, day labor as against the contract method and the too easily gotten bond on a construction project came in for widespread attack on the part of the delegates of the state branch as well as the members of the Northern California Chapter who were in attendance.

The convention took cognizance of the stand of the Rolph administration toward more and better construction, not only to relieve the employment situation, but also to prepare the way for better times following the present depression.

Several delegates enjoyed a preview Friday of motion pictures of the work on the Hoover Dam, now being handled by the Six Companies, Inc., five of whose associates are members of the Associated General Contractors. This preview was put on at the Dohen Studios by the Six Companies organization.

One of the outstanding talks of Thursday was that of Col. Carlos W. Huntington, Registrar of Contractors, who conveyed a message of good wishes to the convention from Governor Rolph, whose activity and hearty accord with the contractors' desires and hopes were lauded in resolution introduced by Adolph Teicher Jr. of Sacramento, retiring president of the Northern California Chapter.

Huntington outlined the progress of work in his department since the Contractors' License Law went into effect two and one-half years ago, urged the co-operation of all lines of construction activity in order that the law's effectiveness might be accomplished. His talk was followed by a detailed survey of the inner workings of the Registrar's office at Sacramento, where the files are kept on 22,000 licensed contractors of the state.

It was not definitely announced it is probable that Walter J. Wilkinson, retiring president of the State

Branch, C. E. Bressler of Santa Ana, a zone director of the national organization and others including W. A. Bechtel of San Francisco, members of the Six Companies, will attend the National A. G. C. Convention to be held in Milwaukee, January 18th to 21st.

CORVALLIS PLANS
BUILDING CONGRESS

Steps are being taken at Corvallis, Ore., for the formation of a Building Congress chapter to operate as a unit of the state-wide Oregon Building Congress. A nominating committee has been named to select seven directors who will be elected at a meeting to be held next month. E. K. Martin of Corvallis is chairman of the committee.

It is expected that the membership will exceed 100. The first work of the chapter will be to stimulate building and aid in absorbing some of the unemployment in the district. Another move will be to educate the public to letting contracts to local contractors and not be duped by unethical contractors coming in from other sections.

\$326,742 ESTATE
LEFT BY ARCHITECT

The estate of the late Herbert A. Schmidt, San Francisco architect, has been appraised at \$326,472, according to papers filed in Superior Court by the appraiser.

The bulk of the estate is vested in shares of the San Francisco Bank valued at \$243,000. Mrs. Marion Schmidt, the widow, is principal beneficiary.

Schmidt was a son of the late A. H. R. Schmidt, a former officer of the German Bank.

OHIO LIEN LAW
IN SUPREME COURT

A test case on the mechanics' lien act in Ohio will be tried in the United States Supreme Court during its present sessions. The question in the case involves the validity of the provisions of the Ohio law that mechanics' lien claims are limited to the contract price of the construction upon which the claims are based.

The case to be tried is that of Chapell State Theater Co. v. Hooper, etc. In this case, it is claimed by the theater company that the contract price was sufficient in amount to pay the claims of all persons except claims of laborers and material men against a subcontractor, which claims exceeded the subcontract price. The theater company, as owner of the property, claimed to have paid the principal contractor, but did not receive a certificate showing a list of unpaid laborers and material men.

of a new law which gives cities and counties of California the right to give preference to home firms bidding on public works, the board of supervisors of Los Angeles County awarded to the Consolidated Steel Corp., a Los Angeles concern, the contract for the steel for a 400-ft. bridge to be built across the mouth of Alamitos Bay connecting the cities of Long Beach and Seal Beach via Ocean Ave.

Although the corporation was second from the low with a bid of \$15,100, it was given the preference over the Virginia Bridge & Iron Co. of Roanoke, whose bid of \$12,500 was the lowest.

Hoover Aids Engineers
With \$5,000 Donation

President Hoover has donated \$5000 to the Professional Engineers' Committee on Unemployment as "with no particular restrictions as to its use," H. deB. Parsons, general chairman of the committee, has announced. The President's check was contained in the following communication to Mr. Parsons:

My Dear Mr. Parsons:

The devoted effort of your committee in securing employment and relieving distress among professional engineers has my sympathetic approval. I feel that the inherent administrative ability of American engineers to meet and cope with emergencies is sufficient assurance that any funds made available to you will be well administered and used to the best advantage, not only in finding useful employment but by relieving individual cases of distress with small loans under liberal terms, which particularly appeals to me.

Having been informed that your committee intends, if sufficient financial support is forthcoming, to extend its activities to a national scope, I am inclosing check for \$5000, with no particular restrictions as to its use but as an encouragement of the splendid spirit which has inspired you and your associates in this undertaking.

Yours faithfully,

HERBERT HOOVER.

New Gasket Material
Is Product of G. E.

A new gasket material, moisture-proof, and highly oil-resistant, has been announced for sale by the General Electric Company. This material, known as No. 1000 Compound, is recommended especially for applications where the primary purpose of the gasket is to exclude moisture, for which purpose it has been found superior to cork or other rubber compounds.

It is a white, odorless sulphur-free rubber compound, available both in sheets and moulded shapes. It is extremely tough and strong, very flexible, requires no sticker, and can be used repeatedly in testing work, as well as in permanent joints. It is unaffected by exposure to the weather, and when under compression in properly made joints is not attacked by cold oil. In contact with hot oil it is practically unaffected where enclosed in recessed joints under compression, but is not generally recommended where resistance to hot oil is of prime importance. Mildly alkaline solutions, such as derived from Portland cement, or dilute acid solutions have no apparent effect on this material.

This material has been found especially useful in making joints in porcelain and metal assemblies, such as in dry-type bushings for outdoor transformers and oil circuit breakers. It is used effectively, also, in terminal pot-heads for lead-covered cables. It has been used also for subway transformers, covers of switchgear, factory treating tanks, factory testing of transformer radiators, and sealing of gas-filled machinery.

Ventura County Chapter, Associated General Contractors of America, was dissolved by action of the board of directors at a special meeting November 13, is announced by Walker H. Gabbert as secretary-manager.

HERE—THERE EVERYWHERE

A proclamation calling the Arizona Legislature into special session December 28th, to deal primarily with state unemployment problems has been issued by Governor George W. P. Hunt. Relief for the unemployed will be sought through submission to the people of a bond issue to provide funds for a state building and highway construction program.

California will have twenty-two labor camps for unemployed single men in operation by January 1st with a total capacity of 2000 men, it is announced by Deputy State Forester W. B. Rider, a member of Governor Rolph's labor camp committee. Establishment of these camps will exhaust the funds set aside for this work, but if money becomes available for the proposed fire trail and slash disposal work, it will be possible for the state to take care of an additional 1000 men, who draw no compensation except room and board and medical care.

Are street paving inspectors competent to inspect the construction of a big steel frame building?

Members of the Oakland civil service board declare that they are now worrying about this problem, since the city council recently adopted an ordinance re-naming "street construction inspector" as "construction inspector." In order to permit them to supervise the driving of piles and the erecting of the foundation of the exposition building.

Building department officials, however, protested that the inspection of a building belongs to building inspectors and not to street inspectors. The civil service board, discussing the matter informally, declared that buildings should come under the supervision of the building department and not the street department. Secretary Herbert Graham of the board was requested to bring the matter to the attention of the departmental officials for a discussion and a report.

The civil service board has been asked to certify the "street construction inspectors." In conformity with the city council ordinance, but the board members say they will wait until they are informed whether street men will inspect buildings, or not.

The San Francisco News, in an editorial published last Monday, lauds the San Francisco Art Association for its selection of Timothy Pfueger, San Francisco, as president of the association.

The editorial is published herewith: "By electing an architect president of the San Francisco Art Association, the directors have honored the profession that is credited by most American and European critics with having made the most solid and original contribution to the arts of any American group.

"Architecture, the critics are agreed, is the one medium in which American artists have excelled and in which they have something important to teach the old world.

"Timothy Pfueger might well have been chosen to head the association, which runs the San Francisco School of Fine Arts and conducts our most important annual exhibitions, because of his personal achievements as designer of the Telephone Building, "450

Sutter Street," and other outstanding buildings designed in the modern manner.

"But Mr. Pfueger has been a notable patron of the arts as well as a creator. His employment of painters, sculptors and designers to embellish buildings designed and supervised by him has given local artists some of their finest opportunities. No other architect except W. B. Faville has tried so consistently to bring the arts to the service of the builder. And it was scarcely necessary to recall that it was in association with builders that painters and sculptors of the great periods of the past did their greatest work."

Among the philanthropes of the late Edward Hines, wealthy Chicago lumberman who died at Evanston, December 1, is the U. S. Veterans' Hospital near Chicago, known as the Edward Hines Jr., Hospital in commemoration of his son who died in France during the World War.

State highway building projects to cost \$2,787,000 will be advertised for bids before January 1, it is announced by the State Department of Public Works. The highway projects on which bids will be asked are estimated to cost \$1,593,000, while the Division of Architecture has prepared specifications for buildings at State institutions to cost \$1,194,000.

Paul Orzel, designer of a "coal pocket" in the Bronx, New York City, which collapsed February 21, 1930, causing the death of three men and injuries to 11 others, was convicted by a jury of second degree manslaughter at Elmira, N. Y., November 23, 1931, and was sentenced to 7½ to 15 years in the state prison, Southwest Builder and Contractor reports. A stay of execution was granted permitting Orzel to spend the time outside prison walls on condition that he shall not do any structural engineering or planning except under the supervision of a licensed professional engineer who shall be responsible for his work. The faulty coal pocket consisted of a steel bin of 2700 tons capacity set on a steel framework 10 feet high. The structure collapsed while being filled with coal and fell on the men working underneath. Engineers testified the failure was due primarily to lack of bracing in a vertical plane in the supporting framework, failure to frame the members together and the crushing of 4-inch H section fillers under the bin used to bring it up to the level of an adjacent bin. Collapse was induced by the heavy load and vibration caused by dropping coal into the bin. Orzel had been previously found guilty of practicing engineering without a state license.

R. V. Melkie, chief engineer of the Turlock Irrigation District, has accepted appointment as consulting engineer for the Merced Irrigation District.

C. W. Deterding, county engineer of Sacramento County, is preparing plans for the new H street bridge to tie-in with the new H street subway, giving the eastern section of the capitol city one of Sacramento's finest gateways. The bridge will cost in the neighborhood of \$200,000.

The Coos Bay Lumber Company has reopened its Los Angeles office in the Petroleum Securities Building with Jack Thomas in charge. Mr. Thomas was transferred to the executive of-

fices at San Francisco when the Los Angeles office was closed nearly a year ago.

Gas & Electric Facilities, Ltd., with offices at 447 Sutter Street, has recently been organized for the manufacture and sale of the following articles: Knopp thermo electric valve, Knopp pyro switch, Knopp floating control, and Knopp concrete joint. The products of the new company are manufactured in Emeryville, and distributed from the San Francisco office throughout the United States. According to B. W. Mueller, executive manager, the company is organizing agencies in all parts of the country. Frank Cressey Jr., is president; A. H. Markwart and O. A. Knopp, vice-presidents; and Stanley Weigel, secretary-treasurer.

C. H. Hubbard has succeeded A. B. Anderson as manager of the Hayward Lumber & Investment Co's yard at Los Banos. Mr. Hubbard was for 6 years manager of the company's yard at San Bernardino. Anderson will engage in the mining business in Imperial county.

Obstructionist tactics have halted progress on the San Gabriel flood-control project, at the very time when it is ready for construction to begin in accordance with a revised plan, says Engineering News-Record. Gold-mining claims within the canyon suddenly developed tremendous value when the site was definitely selected. The asserted values are considered grossly excessive by the district, but offers of settlement for smaller sums have been refused. As a result, no trespass signs backed by a court order are blocking men from the further exploratory work necessary to secure state approval of the site. This has happened after a long series of earlier difficulties had been cleared away—the bond issue released by supreme court decision, and the revised plan worked out for a series of dams to take the place of the abandoned high masonry structure. As a result millions of dollars are now lying idle and hundreds of men are kept from work. Such last-minute tie-up of public funds is opposed to the public interest, and deserves only the minimum consideration required for its legal disposition. If similar dilatory proceedings are objectionable under ordinary circumstances, they are even less tolerable under present conditions, where the release of public funds is essential to employment of idle workers.

Reports from 221 West Coast mills show production for the week ended December 5 of 65,083,000 ft. as compared with shipments of 62,484,000 ft. and new orders totaling 69,875,000 ft. Reports from 171 mills show the uncompleted orders on November 28 were equal to 15 per cent of the gross stocks on hand.

During the first 15 days of December, 13 lumber carriers were reported entered at Los Angeles harbor. These boats had a combined capacity of 19,150,000 ft., and as part cargoes were discharged at other ports from Santa Barbara south to San Diego, the figures approximate Southern California receipts. Of the 13 carriers, 9, with a capacity of 13,750,000 ft., brought in 4, and 4, with a capacity of 5,400,000 ft., brought in redwood. The cargo movement to Southern California for the current year up to and including December 15 was 502,110,000 ft.

A suit has been filed by Attorney E. A. Walton of Salt Lake City, attacking the legality of several contracts in connection with the construction of that city's new storm sewer project. Mr. Walton contends that the contracts, which specify that hand labor instead of machinery be used, are illegal because they provide for unnecessary additional expense to the city in the use of hand labor instead of machinery. The use of hand labor was specified to help provide work for the unemployed.

New business established in San Francisco during November totaled 441 compared to 423 in October and 650 in November a year ago, the Research Department of the Chamber of Commerce reports. The food group accounted for 31.2% of the new establishments; the automotive trade for 6.2%; the wearing apparel group for 6.2%; and the novelty gift shops and books 3.2%. During November 54 new business offices were reported opened. The 11 months total of new businesses established amounted to 4478 compared to 5150 a year ago.

New industries established during November totaled 11 compared to 8 in October and 11 in November a year ago. Industrial expansions totaled 14 compared to 11 in October and 8 a year ago. New industries for the first 11 months totaled 105 compared to 109 a year ago and industrial expansions totaled 69 compared to 59 for the same period last year. Six national industries will establish branches in San Francisco within the next three months, and 11 other large manufacturing concerns are expected to establish branches in San Francisco before the end of 1932 was the report brought back by an industrial staff representative returning from an Eastern trip.

Distribution of approximately \$9,300,000, will be made by building and loan associations of this state in the course of the next few days, representing interest and dividends on investment certificates and membership shares. It is reported by Neill Davis, secretary of the California Building-Loan League. A number of institutions have already announced the prepayment of interest due January 1st, making it possible for their investors to use the return on their savings for holiday season purchases.

Payment of approximately \$27,900,000, will be made to investors in California associations during 1931 alone. While a portion of these interest and dividend payments are reinvested, the greater share goes into circulation through the purchase of merchandise and for current obligations. The savings account average more than \$1000, each, yielding an income to the average investor of over \$40 a year. The return from these savings in the aggregate, however, exert an important influence on the purchasing power of the state.

Semi-annual interest and dividends totalling \$226,000,000, will have been paid out to investors and shareholders in these institutions in the United States as returns for the last half of 1931. Those benefiting from this distribution number more than 12,000,000 investors, or one out of every ten persons in the nation. While the larger disbursements are made during January and July, there is a steadily increasing distribution of interest and dividends on a quarterly, rather than a semi-annual basis.

With the resignation of H. L. Carnahan in the hands of Governor Rolph it is expected that the position will

be given to former Governor Friend W. Richardson, within the next few days. Carnahan's resignation is effective Dec. 31.

What he believes to be the largest tree in the world has been found by A. L. Day, a miner and prospector, in the mountains in the vicinity of the Kaveah river. Returning to Three Rivers from a trip he asked W. E. Metzger, manager of the San Joaquin Tourist and Travel Association, to organize an expedition in the spring to verify his measurements of the tree, which he claims is 38 ft. in diameter at the base and 28 ft. in diameter 8 ft. above the ground.

In line with President Hoover's aim to encourage building, the Upson Co., Lockport, N. Y., one of the largest manufacturers of wall board and other building supplies, has declared an extra common stock dividend of 12½ cents per share, which is being mailed separately to stockholders with a letter suggesting that it be devoted to remodeling of homes or other buildings. This supplemented the regular quarterly dividend of 25 cents per share on the A and B common stock, which continues the Upson Company's unbroken record of fifteen years.

Charles A. Upson, president of the company, announced that earnings for 1931 would be somewhat in excess of 1930. The officers of the company have sufficient confidence in the immediate future of the building industry, he said, that plans are completed for several new products as well as for carrying out several improvements in existing products. These new products and improvements are based on research in which a considerable percentage of earnings for the past five years has been invested, he said.

Building permit reports have been received by the Bureau of Labor Statistics of the United States Department of Labor from 342 identical cities having a population of 25,000 or over, for the months of October, 1931, and November, 1931. According to these reports there was a decrease of 23.7 per cent in the number and a decrease of 25.4 per cent in the estimated expenditures for new residential buildings comparing permits issued in November with those issued in October. New nonresidential buildings decreased 29.0 per cent in number but only 6.2 per cent in estimated cost. Additions, alterations and repairs decreased 26.3 per cent in number and 15.5 per cent in estimated cost. Total building operations decreased 26.8 per cent in number and 14.9 per cent in cost. During November 5826 family dwelling units were provided. This is a decrease of 27.4 per cent as compared with October.

Various agencies of the United States Government awarded 105 building contracts during November at a total cost of \$14,437,537. This is an increase of over \$4,000,000 as compared with October.

Comparing permits issued in 294 identical cities during November, 1931, and November, 1930, there was a decrease of 25.8 per cent in the number of new residential buildings and a decrease of 56.0 per cent in the estimated cost of this class of building. New nonresidential buildings decreased 22.7 per cent in number and 32.6 per cent in estimated expenditures. There was a decrease of 2.9 per cent in the number of repairs made and a decrease of 4.7 per cent in their cost. Total building operations decreased 12.7 per cent in number and 39.8 per cent in cost.

The number of family dwelling units provided decreased 49.1 per cent.

No deviation from a contract can effect the lien rights of materialmen unless they are parties to the arrangement, it was held by Judge Myron H. Westover, of the Los Angeles County Superior Court, in a decision which awarded \$110,000 to Hammond Lumber Company and other claimants against the sureties for Arthur Bard & Co., builders of the Breakers Club, now known as the Hollywood Beach Club, on the ocean front at Santa Monica.

The decision, according to Southwest Builder and Contractor, is said to be the first one by a California court on the question in dispute. Under the contract the builder was to be paid \$400,000 in cash, but instead received notes secured by a lien on the property. When the unpaid claims were passed on to the sureties they refused to pay, relying on the theory that a deviation from a contract released them from their obligations. The court held, however, that lien rights of materialmen and subcontractors could not be affected by such a deviation unless they were parties to the agreement.

Recent practical developments in the design and construction of low cost bridges are being studied by the American Road Builders' Association. Results of the investigation will be presented at the 29th annual Convention and Road Show in Detroit, January 11-15, 1932. The work is in charge of S. B. Slack, bridge engineer, Georgia State Highway Board, East Point, Ga. Low cost bridges are built extensively all over the country, but especially on light traffic roads in thinly populated areas. Designs of timber, steel and concrete are commonly used and not infrequently a composite structure of timber piles, steel stringers and concrete floor will be found economical. The design and construction methods used for these structures are summarized by the author who is an authority on bridges. The material in the report is presented through the courtesy and with the approval of the Highway Research Board.

A resolution to direct the Senate Finance Committee to draft a bill to authorize a \$1,000,000,000 unemployment construction fund has been introduced by Senator Black, Democrat, Alabama.

City Council of North Sacramento, Calif., has passed a resolution to raise the license fee of plumbers to \$20 a year. Final action on the resolution, together with the elimination of a surety bond relative to the issue will be taken at the next meeting.

Hugh Bancroft, President of Dow, Jones & Co., Inc., publishers of the Wall Street Journal, said: "If the federal government is not to add to the difficulties of economic recovery, it must balance its budget and at the same time must not increase federal taxes. Hundreds of millions of dollars are being spent for the purpose of harassing business, destroying business and competing unfairly with business. The government is competing with its citizens in 97 separate activities."

Barber Asphalt company announces the appointment of E. J. Elliott as sales representative for the Pacific coast states with headquarters at 1174 Phelan Bldg., San Francisco.

Building News Section

APARTMENTS

Preparing Preliminary Plans.
ALTERATIONS Cost, \$10,000
OAKLAND, Alameda Co., Calif. East
Oakland.
Alterations and addition to frame and
stucco store and apartments.
Owner—Withheld.
Architect—Guy L. Brown, American
Bldg., Oakland.

Preparing Plans. Cost, \$—
APARTMENTS.
LOS ANGELES, Cal. Laurel Canyon
Road and Selma Ave.
Five-story and basement Class B con-
crete and steel frame apts. (135x
69-ft.; 43 apts.)
Owner—Mrs. P. J. Guerin, 1615 N
Stanley Ave., Los Angeles.
Architect—Robert H. Orr, Corporation
Bldg., Los Angeles.

BONDS

REDWOOD CITY, San Mateo Co.,
Cal.—Election will be held January 5
in the La Vista Elementary Union
School District to vote bonds of \$18,-
000 to finance erection of a new school
building. Trustees of the district are:
Mary J. Cavalli, Charles A. Wyman,
Frank P. Bell, Archie F. Woodhams,
and Kathleen Allen.

SAN MATEO, San Mateo Co., Cal.—
As previously reported, and election
will be held January 26 in the San
Mateo Union High School District to
vote bonds of \$240,000 to finance im-
provements at the San Mateo and
Burlingame High Schools. The money
will be expended as follows:

San Mateo School—Auditorium, \$105,-
000; grounds and tennis court, \$14,000.
Burlingame School—Land, \$10,000;
Cafeteria and music building, \$65,000;
playgrounds and equipment \$4000; road
and parking space, \$2000; additional
locker rooms, \$27,000; lockers, \$1000;
heating plant, \$1500; concrete work in
girls' locker room, \$10,000.

CHURCHES

CHURCH Cost, \$45,000
MARVILLE, Yuba Co., Calif.
New church.
Owner—Meridian Community Church.
Architect—Not Selected.

A drive is now under way to raise
funds to finance construction. Mem-
bers of the soliciting committee are:
Mrs. Lena Burris, W. W. Woodard,
Dr. W. L. Stephens and Mabel Phil-
lips.

Plans Being Figured.
CHURCH Cost, \$45,000
LAS VEGAS, Nev. Ninth and Clark.
Concrete and brick church (to seat
350) steel sash, asbestos shingle
roof, cement floor, steel truss roof,
wood joists and rafters, oak inter-
ior trim, maple floors, warm air
heating plant.
Owner—Church Of the Latter Day
Saints.
Architect—Ashton & Evans, Salt Lake
City, Utah.

FACTORIES AND WARE- HOUSES

MONTEREY COUNTY, Calif.—Until
2 P. M., January 7, bids will be re-
ceived by the Department of Public
Works, Division of Highways, at the
office of the District Engineer, San
Luis Obispo, for the erection of main-
tenance station buildings in Monterey
County, about one mile north of Sa-
linas, consisting of standard truck
shelter, superintendent's cottage, com-
bined office and bunkhouse, gasoline
and oil house, combination woodshed
and garage, blacksmith shop, septic
tank and leaching field, station sign,
pump house, water tower and tank,
well for water supply and fence. The
work comprises excavation, concrete
and masonry work, carpentry and mill
work, lathing and plastering, sheet
metal work, painting, plumbing, heat-
ing and electrical work. Plans may be
obtained from the District Engineer
upon deposit of \$25. Certified or cash-
ier's check or cash in the sum of 10%
must accompany each bid. L. H. Gib-
son, district engineer.

Completing Plans. Cost, \$75,000
Transit Shed
LONG BEACH, Los Angeles Co., Cal.
Berth 48, Channel 3.
Concrete and corrugated iron transit
shed (450x83 ft.); sprinkler sys-
tem, electric wiring, etc.)
Owner—City of Long Beach.
Plans by Long Beach Harbor Dept.

LOS ANGELES, Cal.—Madsen Iron
Works, Ltd., 5631 Bickett St., Hunt-
ington Park, submitted the low bid to
the Los Angeles board of public works
Dec. 16 at \$11,556 (\$12,876, less \$1320
credit on salvage) for the remodeling
of the municipal asphalt plant at 2245
McPherson St. The time of delivery
is 30 days from receipt of order. Plant
to be shut down only two weeks. The
work involves the construction of a 2-
ton plug mill, doubling the present ca-
pacity, reinforcing the frame of the
plant and installing a dust collector.
R. W. Stewart, deputy city engineer,
room 600, City Hall, is in charge of
this department.

SAN FRANCISCO.—Ellison & Rus-
sell, engineers, Pacific Building, San
Francisco, are taking piling bids in

SKILSAW Portable Electric Hand
Saws (4 models).

SKILSAW Portable Electric Sander
SKILSAW Radial Arm Attach-
ments.

SYNTRON Portable Electric Ham-
mers (4 models, motor-
less).

MALL Flexible Shaft Machines (50
models).

Electric Drills, Grinders, Buffers,
Routers, Lock Mortisers.

PETER H. NELSON

Labor Saving Portable Electric
Tools.

1344 Mission St. Underhill
San Francisco /762
SALES . SERVICE . RENTALS

connection with the erection of a steel
frame and concrete factory (650x100-
ft.) and concrete warehouse (40x416-
ft.) at the foot of Adeline Street, Oak-
land, for the El Dorado Oil Co., 3rd
and University Ave., Berkeley. Bids
will be opened January 4. Cost, \$750,-

Bids Opened—Held Under Advise-
ment.
LAUNDRY Cost, \$11,000
SAN FRANCISCO. 17th and Folsom
Streets.

One-story reinforced concrete laundry
48x100-ft.; tar and gravel roof;
steel trusses, boiler room, drier
room, laundry equipment, etc.)
Owner—Perfection Curtain Cleaners
(N. Koblick, president), 3121 17th
Street.

Engineer—G. F. Gill, 116 New Mont-
gomery Street.
Announcement will be made within
three or four days.

Planned.
DISTRIBUTION PLANT Cost, \$—
SAN FRANCISCO. Potrero Ave. bet
25th and Army Streets.

Distribution plant for dairy.
Owner—Dairy Delivery Co., 3550 19th
Street.

Architect—Not Selected.
Proposed project is in a very pre-
liminary stage.

Piling Bids Being Taken—To Close
January 4.

FACTORY Cost, \$750,000
OAKLAND, Alameda Co., Cal. Foot
of Adeline St. on the estuary.

Steel frame and concrete coconut fac-
tory (650x100) steel frame and re-
inforced concrete warehouse (40x
416) pile foundations, flat slab floor
corrugated iron roof and siding).

Owner—El Dorado Oil Works, Third
and University Ave., Berkeley.
Engineers—Ellison & Russell, Pacific
Bldg., San Francisco.

MONTEREY. Monterey Co., Cal.—
Monterey Peninsula Packing Corp.,
Ltd., is planning the erection of a
fruit and vegetable cannery to cost
approximately \$150,000. Martin Lonitz,
Monterey real estate agent, is in
charge of the financing. More definite
information will be given when plans
are further developed.

SAN LUIS OBISPO COUNTY, Cal.—
Until 2 P. M., Jan. 5, bids will be re-
ceived by the Department of Public
Works, Division of Highways, at the
office of the District Engineer, State
Highway Bldg., 50 Higuera St., San
Luis Obispo, for the erection and
completion of maintenance station
buildings in San Luis Obispo County,
about two miles north of Cambria,
which consists of the following group
of buildings and appurtenances: stand-
ard truck shelter, cottage, gasoline
and oil house, combination woodshed
and garage, septic tank and leaching
field, blacksmith shop, station sign and
fence. The work of this contract com-
prises excavation, concrete and mas-
onry work, carpentry and mill work,
lathing and plastering, sheet metal
work, painting, plumbing, heating and
electric installation.

Plans may be obtained from the
above address upon deposit of \$25.
Certified check, 10%. L. H. Gibson,
District Engineer.

SAN DIEGO, Cal.—T. C. Ryan, owner of the Ryan School of Aviation, San Diego, proposes erecting a new air terminal at Lindberg Field, San Diego. Plans which have been submitted to the San Diego city council for approval, include an administration building and a large hangar.

FLATS

Sub-Bids Being Taken.
FLATS Cost, \$12,000
SAN FRANCISCO, N Jefferson St. 108
W Webster St.

Two-story and basement frame and stucco flats (two 6-room, 2 baths) tar, gravel and tile roof, gas hot air furnace, canvas walls and ceilings, hardwood floors & trim, etc.
Owner—J. Pouey, 1447 Chestnut St.
Architect—R. R. Irvine, Cal. Bldg.
Contractor—Louis Franceschi, 1403 Jefferson St.

To Be Done By Day's Work.
FLATS Cost, \$6500
SAN FRANCISCO, N Retiro St. near
Fillmore St.
Two-story and basement frame and stucco flats (2 flats).
Owner and Builder—B. Lieberman, 3675
Fillmore Street.
Architect—F. Quandt, 2800 Fillmore
Street.

Contract Awarded.
FLATS Cost, \$7000
SAN FRANCISCO, N 21st Street W
Collingwood.

One-story and basement frame and stucco flats (2 flats).
Owner—H. Stiavelli, 250 21st Ave.
Plans by Mr. Norberg.
Contractor—B. Norberg, 332 Marvel
Avenue.

GARAGES AND SERVICE STATIONS

Planned.
SERVICE STATION Cost, \$—
PETALUMA, Sonoma Co., Cal. West-
ern Ave. and Keller St.
Service station (brick construction)
4 pumps, tire facilities, etc.
Owner—Shell Oil Co., Shell Bldg., San
Francisco.
Plans by Eng. Dept. of Owner.

Additional Sub-Contracts Awarded.
GARAGE Cost, \$6500
OAKLAND, Alameda Co., Calif. SE
Bay Place and Harrison St.
One-story brick and tile garage.
Owner—J. K. Nelsen, 1512 Everett
Ave., Oakland.
Architect—Miller and Warnecke, Fi-
nancial Center Bldg., Oakland.
Contractor—Jensen & Pedersen, 3443
Adeline St., Oakland.
Plastering—Axel Sommarstrom, 109
Sunnyside Ave., Oakland.
Concrete—Nat Lena, 1174 19th Street,
Oakland.
Tiling—M. & S. Tile Co., Decoto.
Brick—George Addison, 2939 Minna
Ave., Oakland.
Millwork—Zenith Mill & Lumber Co.,
2101 E 12th St., Oakland.
Plumbing—Scott Co., 113 10th Street,
Oakland.
Other awards reported Dec. 12.

Plans Being Figured—Bids Close Jan.
4, 5 P. M.
GARAGE Cost, \$12,000
BERKELEY, Alameda Co., Cal. Dur-
ant St. and Shattuck Ave.
One-story reinforced concrete garage
(40x130 ft., tar and gravel roof,
steel rolling doors, etc.)
Owner—C. M. McLean.
Architect—W. H. Ratcliff Jr., Cham-
ber of Commerce Bldg., Berkeley.
Lessee—University Chevrolet Co., 2349
Shattuck Ave., Berkeley.

Planned.
SERVICE STATION Cost, \$—
OAKLAND, Alameda Co., Calif. NE
Lakeshore Ave. and Beacon St.
Modern service station.
Owner—Eureka Mill & Lumber Co.,
3615 E 14th St., Oakland (C. I.
Gilbert, Secretary).
Architect—Not Given.
Application has been filed with the
city council for permission to con-
struct this station.

GOVERNMENT WORK AND SUPPLIES

PALO ALTO, Santa Clara Co., Cal.
—L. S. Case, Inc., Monadnock Bldg.,
San Francisco, at \$3,117 awarded con-
tract by Supervising Superintendent
of Construction for installing complete
compressed asphalt tile or linoleum
floor covering in Personnel Quarters
Buildings Nos. 217 and 218, and lin-
oleum floor covering in kitchens and
halls of Cottage Buildings Nos. 304,
305 and 306 and in kitchen and laundry
of Cottage Building No. 14.

OAKLAND, Cal.—Until Jan. 13, 3 P.
M., bids will be received by Super-
vising Architect, Treasury Department
Washington, D. C., to install one pas-
senger elevator in the U. S. Post Of-
fice and Customhouse at Oakland.
Plans obtainable from the Supervising
Architect's Office at Washington.

SUNNYVALE, Santa Clara Co., Cal.
—Bids will be asked shortly by the
Bureau of Yards and Docks, Navy De-
partment, Washington, D. C., for con-
structing administration building, en-
listed men's barracks, dispensary of
concrete and stucco with tile roof,
hellum repurification building, 1,000-
000 cu. ft. hellum storage room, pip-
ing tunnel, cafeteria and rest house
at Sunnyvale air station.

HONOLULU, T. H.—Following are
additional prospective bidders for
painting stucco on the Honolulu Post
Office, bids for which will be opened
by the Supervising Architect, Treas-
ury Department, on January 22:
Alfred Olson Co., 461 N. Clark St.,
Chicago.
Universal Const. Co., Medical Arts
Bldg., Ft. Wayne, Ind.

MARE ISLAND, Cal.—Until Jan. 13,
11 A. M., bids will be received by the
Public Works Officer, U. S. Navy
Yard, Mare Island, for one 2,000 pound
hydro-electric freight elevator com-
plete and installed in Cafeteria Bldg.
No. 119 at the U. S. Navy Yard, Mare
Island. Specification No. 6773. Specifi-
cations obtainable from Commandant,
Navy Yard, Mare Island. Deposit of
\$5.00 required.

Plans Being Prepared.
BOMBING BASE Cost, \$5,000,000
MARIN COUNTY, Calif.
Group of buildings (masonry construc-
tion).
Owner—United States Government.
Plans by Constructing Quartermaster,
829 4th St., San Rafael.
Work includes: 125 single homes for
officers, 80 double homes for officers,
11 hangars (100x200-ft.), machine and
assembly shops, 4 barracks, two ware-
houses (100x200-ft.), bachelor officers'
quarters, one officers' clubhouse, one
non-commissioned officers' clubhouse,
one headquarters, one post school, one
chapel, one hospital, gymnasium and
theatre building, laundry, parachute
building, photography building, guard
house, fire station, radio station, ath-
letic field, seven miles paved streets.
Construction will be carried on over
a period of approximately four years.

Bids Opened.
TEMPORARY BLDGS. Cost, \$—
WEST LOS ANGELES, Calif.
Erect 20 temporary housing buildings
and utilities together with grading
and drainage in connection there-
with at Veterans' Administration
Home.
Owner—United States Government.
Plans by Supervising Superintendent
of Construction, U. S. Veterans'
Hospital, Palo Alto.

This work will include excavating,
concrete construction, roofing, roof
ventilators, carpentry, insect screens,
painting, glazing, hardware, plumbing,
heating and electrical work and con-
nection to outside sewer, water, steam
and electric distribution systems.

Following is a complete list of bids:
Bannister Field Co., 4101 Goodwin
Ave., Los Angeles, \$42,371 (1) add \$14-
000; 55 days.

Wigg Const. Co., Los Angeles, \$42-
700 (1) add \$13,600; 35 days.
Fred. Snell, Beverly Hills, \$46,100 (1)
add \$15,800; 45 days.
Anton Johnson, South Pasadena, \$47-
373 (1) add \$15,791; 90 days.

Pacific Systems Homes, Inc., Los
Angeles, \$48,807 (1) add \$15,982; 90
days.

DeCamp Hudson, Inc., Los Angeles
\$48,958 (1) add \$15,511; 45 days.

Erick Shodine, Los Angeles, \$49,200
(1) \$16,500; 120 days.

F. F. Greenfield, Los Angeles, \$49-
397 (1) add \$15,934; 45 days.

Floyd Shofner, Los Angeles, \$49,492
(1) add \$16,500; 60 days.

R. E. McKee, Los Angeles, \$49,700
(1) \$16,450; 75 days.

Louis Gelsler, Huntington Park, \$50-
975 (1) add \$16,500; 75 days.

Orndorff Const. Co., Los Angeles,
\$53,600 (1) add \$17,500; 70 days.

R. E. Campbell, Los Angeles, \$54-
500 (1) add \$31,750; 62 days.

Courtright & Huffman, Los Angeles
\$54,837 (1) add \$18,038; 75 days.

Sneed Bros., Los Angeles, \$55,200 (1)
\$18,250; 80 days.

Bids referred to Washington for
award.

MARYSVILLE, Yuba Co., Cal.—Un-
til December 23, 3 P. M., under Cir-
cular Proposal No. 32-211, Specifica-
tions No. 4022, bids will be received
by U. S. Engineer Office, California
Fruit Bldg., to assemble and install a
40-ft. extension to the existing 36-in.
double corrugated pipe culvert thru
the east levee of the Feather River,
near the Eliza Bend Pumping Station,
approximately two miles south from
Marysville together with the construction
of a concrete headwall and a con-
crete stopwall. The work will also in-
clude the removal of the present head-
wall and the construction of a new
concrete headwall.

Bids Wanted—To Close Jan. 13, 2:30
P. M.

PAINTING, ETC. Cost, \$—
LIVERMORE, Alameda Co., Cal. Vet-
erans' Hospital.

Painting at Veterans' Administration
Hospital (interior plaster and
woodwork in 12 sets of officers'
quarters).

Owner—United States Government.
Architect—Not Given.

Bids will be received by Supervising
Superintendent of Construction, Vet-
erans' Administration Hospital, Palo
Alto.

Commissioned To Prepare Plans.
POST OFFICE Cost, \$—

REDLANDS, San Bernardino Co., Cal.
Class A post office.

Owner—United States Government.
Architect—E. D. Coates, Jr., Rowell
Bldg., Fresno.

LONG BEACH, Los Angeles Co., Cal.—Following are additional contractors who have secured plans for the purpose of submitting bids to Treasury Department on January 5 for the construction of the new U. S. Post Office in Long Beach. Other bidders reported December 17.

Clinton Const. Co., Spring Arcade Bldg., Los Angeles.

W. D. Lovell, 290 Park Ave., Long Beach.

B. O. Larsen, 1340 E St., San Diego. Chas. W. Pettifer Co., 733 W 14th St., Long Beach.

MacDonald & Kahn, Financial Center Bldg., San Francisco.

Schuck Const. Co., 1937 W 62nd St., Los Angeles.

L. A. Clark, 1018 Mignonette St., Los Angeles.

T. W. Jean, 2633 N Allen Street, Alhambra.

Schuler & McDonald, 1723 Webster St., Oakland.

Jas. J. Burke & Co., Kearns Bldg., Salt Lake City.

L. E. Dixon Co., Edwards & Wilbey Bldg., Los Angeles.

L. A. Contracting Co., 4816 W Pico St., Los Angeles.

Herbert M. Baruch Corp., 1015 Lincoln Bldg., Los Angeles.

G. F. Campbell Bldg. Co., California Bank Bldg., San Diego.

Weymouth Crowell Co., 2104 E 15th St., Los Angeles.

Floyd Shofner, 5670 Wilshire Blvd., Los Angeles.

Concord Const. Co., 5631 Sansome St., Philadelphia.

R. J. Chute Co., 2506 W Santa Barbara Ave., Los Angeles.

Newman Mfg. Co., Norwood Station, Cincinnati.

MARE ISLAND, Cal.—Lindgren and Swinerton, Inc., 225 Bush St., San Francisco, desire sub-bids on all portions of the work in connection with the construction of the overhaul building to be erected at Mare Island for which bids will be opened on Jan. 6.

SAN FRANCISCO.—Lindgren and Swinerton, Inc., 225 Bush Street, San Francisco, desire sub-bids on all portions of the work in connection with the construction of the miscellaneous buildings to be erected at the Presidio for which bids will be opened Jan. 8.

VANCOUVER, Wash.—Until 10 A. M., Jan. 15, bids will be received by W. H. Lynch, District Engineer, Bureau of Public Roads, 816 New Post Office Bldg., Portland, Ore., for the erection of an equipment depot at Vancouver, Wash. Bidding data may be obtained from Mr. Lynch upon deposit of \$10. Guarantee in the sum of 5% must accompany each bid. The depot will comprise three buildings to be constructed of masonry.

Plans Being Prepared. Cost, \$210,000. POST OFFICE. LONGVIEW, Washington.

Two-story and basement steel and concrete post office, 104x117-ft.

Owner—United States Government.

Architect—John Graham, Dexter-Horton Bldg., Seattle, and Bebb and Gould, Hoge Bldg., Seattle.

Plans for this structure will be completed in about ninety days when bids for construction will be asked. Exterior will be of brick and stone.

Commissioned To Prepare Plans. Cost, \$—.

POST OFFICE. REDLANDS, San Bernardino Co., Cal.

Class A post office.

Owner—United States Government.

Architect—G. Stanley Wilson, 3646 9th St., Riverside.

Additional Prospective Bidders. Cost, \$—.

MISC. BUILDINGS. SAN FRANCISCO. Presidio Reservation.

Construct four double officers' quarters, residence of Office in Charge, attendants' quarters and storage buildings, recreation building, laboratory and storage building for the U. S. Marine Hospital.

Following are additional contractors who have secured plans. Others reported January 3.

Anderson & Ringrose, 320 Market St., San Francisco.

Frank J. Reilly, 6350 Fulton St., San Francisco.

Andrew F. Mowat, McDowell Bldg., Seattle, Wash.

W. G. Thornally, 354 Hobart Street, Oakland.

P. F. Reilly & Jon Grace, 703 Market St., San Francisco.

N. H. Sjoberg & Son, Call Bldg., San Francisco.

San Francisco Const. Co., 3159 Fillmore St., San Francisco.

Clinton Const. Co., 923 Folsom St., San Francisco.

Ocean Const. Co., 1327 Sixth Ave., San Francisco.

Monson Bros., 475 6th St., San Francisco.

R. E. Campbell, 108 W 6th St., Los Angeles.

Henry B. Post, 1330 Webster Street, Palo Alto, Calif.

Devereux-Olson Const. Co., 716 11th Ave. S., Minneapolis.

Mahony Bros., Flood Building, San Francisco.

I. M. Sommer & Co., 901 Bryant St., San Francisco.

Young & Horstmeier, 461 Market St., San Francisco.

Commissioned To Prepare Plans. Cost, \$125,000.

VISALIA, Tulare Co., Calif. Acequia

and Locust Streets.

Class A post office.

Owner—United States Government.

Architect—W. D. Coates, Jr., Rowell Bldg., Fresno.

Plans Being Figured—Bids Close Feb. 18, 3 P. M.

POST OFFICE, JAIL. Cost, \$—.

FAIRBANKS, Alaska.

Fireproof post office, courthouse, jail, etc.

Owner—United States Government.

Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Contracts Awarded.

OFFICES. Cost, price, \$1,125,000.

PORTLAND, Oregon. Broadway, Madison, Sixth and Main Sts.

Seven-story and basement Class A Federal offices.

Owner—United States Government.

Architect—Whitehouse, Stanton and Church, Railway Exchange Bldg., Portland.

Contractor—Murch Bros. Const. Co., St. Louis, Mo.

Elevators—Otis Elevator Co., 1 Beach St., San Francisco, \$48,148.

ALAMEDA, Alameda Co., Cal.—

Until January 5, 2 P. M., bids will be received by C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, to construct Unit 11, consisting of the reconstruction of the existing causeway from Government Island, Alameda, to Oakland, involving:

(1) remove existing superstructure, lump sum bid;

(2) 11.6 M. B. M. untreated timber in place;

(3) 292.7 M. B. M. treated timber in place;

(4) 3965 lin. ft. treated piling in place;

(5) 2550 sq. yds. bituminous wearing surface;

(6) 500 lin. ft. reconstruction dip, wrap and relay 6-in. pipe and fittings.

Plans obtainable from engineer on deposit of \$10, returnable, check for same to be made payable to Federal Reserve Bank of San Francisco.

COLUMBIA COUNTY, Calif.—Western

Pipe & Steel Co., 444 Market St., San Francisco, at \$30.01 submitted low bid to U. S. Engineer Office, California

Fruit Bldg., Sacramento, to furnish f.o.b. trucks or railroad cars at Colusa;

(1) 80 lin. ft. 12-gauge corrugated galvanized iron culvert pipe, 42-in. dia., to be made up in four sections, each 20 ft. long;

(2) three 12-gauge corrugated galvanized iron coupling bands to fit 42-in. dia. pipe of item 1. Each band to be 12½-in. wide and complete with bolts, etc.;

(3) one cast iron automatic drainage gate with balanced shutter for 42-in. dia. pipe of item 1, complete and assembled to one end of a section of the pipe under item 1. This gate shall be similar and equal to "Calco" automatic drainage gate, model 100. Price bid to include cost of assembly to pipe.

Complete bids follow:

Western Pipe & Steel Co. San Francisco, (1) \$264 (2) \$11.67 (3) \$84.34 total, \$360.01.

California Corrugated Culvert Co., Berkeley, (1) \$270.40 (2) \$10.10 (3) \$85.15 total, \$366.65.

SAN FRANCISCO.—MacDonald & Kahn, Financial Center Bldg., desire bids on all portions of the work in connection with the construction of group of miscellaneous buildings to be erected at the Marine Hospital for which bids will be opened on January 8th.

Plans Being Figured—Bids Close Jan. 27, 3 P. M.

POST OFFICE. Cost, \$—.

ANACONDA, Montana.

Fireproof Post Office.

Owner—United States Government.

Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Plans obtainable from the office of the Supervising Architect at Washington.

See call for bids under official proposal section in this issue.

PEARL HARBOR, T. H.—In addition to those previously reported, following are prospective bidders to erect Engine and Aircraft Overhaul Shop at Pearl Harbor, bids for which will be opened by the Bureau of Yards and Docks, Navy Department, Feb. 3, under Specification No. 6376:

McClintic-Marshall Corp., Wilkins Bldg., Washington.

United Const. Co., Munsey Bldg., Washington.

Truscon Steel Co., 305 Hill Building, Washington.

Newport Contracting & Engineering Co., Lee Hall, Va.

U. S. Steel Products Co., 30 Church St., New York City.

W. P. Thurston Co., Inc., Richmond, Virginia.

MARE ISLAND, Cal.—MacDonald & Kahn, Financial Center Bldg., San Francisco, desire sub-bids on all portions of the work in connection with the construction of the overhaul building to be erected at Mare Island for the United States Government, for which bids will be opened Jan. 6.

MARE ISLAND, Calif.—In addition to those previously reported, following are prospective bidders on the shop building to be erected at Mare Island under Specification No. 6431, bids for which will be opened January 6 by the Bureau of Yards and Docks, Navy Department, Washington, D. C.:

Allied Const. Co., 625 Broadway, Cincinnati.

The Wm. Bayley Co., 1427 I St. N. W., Washington.

Northern Engineering Works, 210 Chene St., Detroit.

United Const. Co., Munsey Bldg., Washington.

Truscon Steel Co., 305 Hill Building, Washington.

Newport Contracting & Engineering Co., Lee Hall, Va.

Crane Co., Washington.

Bethlehem Steel Co., Washington.

MONTEREY, Monterey Co., Cal.—Until January 4, under Circular 5, bids will be received by the Purchasing and Contracting Officer, U. S. Corps, Presidio of Monterey, to furnish and deliver lumber, 100 rolls roofing paper, 627 square shingles, other roofing supplies, iron, nails, hinges, hasps, paints, laundry trays, urinals, pipe, 20 drinking fountains, tees, nipples, elbows, valves, electric supplies, including conduit, switches, receptacles, cord, plugs, wire, lamp cord, millwork, etc. Specifications obtainable from above office.

SAN FRANCISCO—G. P. W. Jensen, 320 Market St., desires sub-bids on all portions of the work in connection with the construction of the group of buildings to be erected at the Marine Hospital for which bids will be opened on January 8.

SAN FRANCISCO—Pacific Painting & Decorating Co., 1717 Webster St., Oakland, at \$1.58 submitted low bid to Constructing Quartermaster, Fort Mason, for interior painting of fifteen double sets of Non-commissioned Officers' Quarters at the Presidio.

Following is a complete list of bids: Pacific Painting & Decorating Co.

Oakland	\$1,589
Zimmerman Company	2,175
Lee Dixon	2,195
A. B. C. Painting Company	2,245
R. P. Paoli	2,250
Monroe & Dosh	2,349
Patterson, Oakland	2,625
W. J. Thompson	2,670
Ralph Zelinski	2,685
E. Anderson	2,895
H. W. Leeds	2,897
E. Kahler	3,000
D. Zelinsky & Son	3,850
Fischer & Werner	4,080

Bids held under advisement.

BUTTE, Montana.—As previously reported, A. M. Lundberg, St. Louis, Mo., at \$241,000 submitted low bid to the Supervising Architect, Treasury Department, Washington, D. C., to extend and remodel the U. S. Post Office at Butte. Following is a complete list of bids received:

A. M. Lundberg, St. Louis, \$241,000.
E. A. Moline, Jamestown, North Dakota, \$242,130.
Redlinger & Hansen Co., Minneapolis, \$249,500.

Charles Weitz's Sons, Inc., Des Moines, Iowa, \$249,691.

A. H. Brodkey, Omaha, Neb., \$255,759.

Geo. Griffith Constr. Co., St. Louis, \$255,899.

Wm. MacDonald Constr. Co., St. Louis, \$258,000.

Mads Madsen Co., Minneapolis, \$268,204.

Phelps-Drake Co., Minneapolis, \$269,700.

Jerome C. Hoesspfing, Miles City, Mont., \$284,500.

Hiram Lloyd Bldg. & Constr. Co., St. Louis, \$285,346.

Jas. J. Burke & Co., Inc., Salt Lake City, Utah, \$295,000.

HALLS AND SOCIETY BUILDINGS

Plans Completed.

MEMORIAL BLDG. Cost, \$50,000
SANTA CRUZ, Santa Cruz Co., Calif.
Two-story and basement veterans' memorial bldg. (concrete exterior, walls, frame interior, tile roof; Spanish style).

Owner—County of Santa Cruz.

Architect—Davis-Pearce Co., Grant & Weber Sts., Stockton.

Plans have been forwarded to Santa Cruz County Supervisors for approval. Bids will be asked shortly.

HOSPITALS

Bids Opened.

WARDS, ETC. Cost, \$500,000
YOUNTVILLE, Napa Co., Cal.

Group of buildings (4-story administration building, two 4-story ward buildings, 1- and 2-story service building and concrete connecting corridor; reinforced concrete construction; tile roofs).

Owner—State of California.

Architect—Fred. H. Meyer, 525 Market St., San Francisco.

Following is a complete list of bids:

General Work

R. W. Littlefield, 337 17th St. Oakland	\$407,245
K. E. Parker, San Francisco	412,500
J. F. Shepherd, Stockton	412,970
MacDonald & Kahn, S. F.	418,599
Anderson & Ringrose, S. F.	425,000
J. P. Brennan, Redding	428,732
Barrett & Hlip, San Francisco	429,776
H. Mayson, Los Angeles	431,600
Wm. C. Keating, Sacramento	431,900
Andy Sordal, Long Beach	432,194
Lindgren & Swinerton, S. F.	477,000

Plumbing

Carpenter and Mendenhall, 907 Front St., Sacramento	\$36,900
Anderson & Rowe, S. F.	37,891
Hickman Bros., Los Angeles	38,900
Skelly & Kohler, S. F.	39,977
Turner Co., San Francisco	43,050
Scott Co., San Francisco	43,293
Mechanical Contracting Co., San Francisco	43,860
Lohman Bros., Los Angeles	44,321
J. A. Fazio, Oakland	45,000

Scott Plumbing & Electric Co., Sacramento	45,474
Herman Lawson, S. F.	46,000
George Schuster, Oakland	48,663

Electric Work

W. B. Baker, 270 6th St., San Francisco	\$28,495
R. R. Jones Elec. Co., L. A.	30,339
H. H. Walker, Los Angeles	30,473
E. Nichols, Los Angeles	31,870
Turner Co., San Francisco	32,950
Alta Elec. Co., San Francisco	33,960
Matson-Scabrooke Co., Oakland	33,986
Butte Electric Company	34,126
NePage-McKenney Co., Oakland	34,977
Central Elec. Co., S. F.	35,900
Decker Elec. Co., S. F.	37,298
R. Flatland, San Francisco	37,750
Eddy Elec. Co., Stockton	37,950

Heating and Ventilating

Alta Electric & Mechanical Co., 938 Howard St., S. F.	\$34,896
Mechanical Contracting Co., San Francisco	36,520
Hickman Bros., Los Angeles	37,823
W. H. Robinson, Monterey Park	38,549
George Schuster, Oakland	38,767
Carpenter & Mendenhall, Sacramento	39,200
Scott Co., San Francisco	39,393
Jas. A. Nelson, San Francisco	39,739
Lohman Bros., Los Angeles	39,775

Herman Lawson, San Francisco	40,500
W. A. Aschen, Oakland	41,690
Turner Co., San Francisco	41,984
Anderson & Rowe, S. F.	42,187
George C. Bell, Oakland	42,946
Carl T. Doell, Oakland	44,065

Scott Plumbing & Electric Co., Sacramento 53,433

Plumbing, Heating & Ventilating

Carpenter and Mendenhall, 907 Front St., Sacramento \$75,775

Hately & Hately, Sacramento 76,772

Mechanical Contracting Co., San Francisco 78,920

Anderson & Rowe, S. F. 79,979

Scott Co., San Francisco 82,193

Lohman Bros., Los Angeles 83,120

Herman Lawson, San Francisco 86,200

George Schuster, Oakland 87,200

Fearey & Moll, Oakland 89,800

Scott Plumbing & Electric Co., Sacramento 98,648

Refrigeration

Cardinale Machinery Corp., 1031 S Broadway, Los Angeles \$21,600

Oakland Refrigeration & Butcher Supply Co., Oakland 23,703

Cycle Iron Works, S. F. 23,840

York Ice Machine Co., S. F. 24,000

Carrier Eng. Corp., S. F. 25,060

Creamery Package Co., S. F. 25,144

Bids held under advisement.

SUB-BIDS WANTED

SAN FRANCISCO—Albert Nelson, 242 Ocean Ave., desires sub-bids on all portions of the work in connection with the construction of the group of buildings to be erected at the Marine Hospital for which bids will be opened on January 8.

Contracts Awarded.

RESIDENCE, ETC. Cost, \$—
SPADRA, Los Angeles Co., Cal.

Two-story frame and stucco superintendent's residence; two one-story reinforced concrete ward buildings and 1-story frame and stucco assistant physician's cottage (concrete foundations and tile roofs).

Owner—State of California.

Plans by State Department of Public Works, Division of Architecture, Public Works Bldg., Sacramento, Geo. B. McDougall, state architect.

General Work

Willard Lutz, 1630 Lyman Place, Los Angeles \$31,600

Plumbing

Thomas Haverly, 316 E 8th St., Los Angeles \$3,311

Heating

W. H. Smith, Long Beach \$3,095

Plans Being Figured—Bids Close Jan. 26th, 2 P. M.

DORMITORIES Cost, \$—
PACIFIC COLONY, Los Angeles Co., Calif.

Three one-story reinforced concrete dormitories (tile roof).

Owner—State of California.

Architect—Walker & Eisen, Western Pacific Bldg., Los Angeles.

Contract Awarded.

HEALTH CENTER Cont. price \$16,100
SAN FRANCISCO. Grove and Polk Streets.

Terra Cotta for Health Center Bldg.

Owner—City and County of San Francisco, S. J. Hester, secretary of the Board of Public Works.

Architect—S. Heiman, 57 Post St.

Contractor—Larsen and Larsen, 629 Bryant Street.

YOUNTVILLE, Napa Co., Calif.—Lindgren & Swinerton, Inc., 225 Bush St., San Francisco, desire sub-bids on all portions of the work in connection with the construction of the hospital building to be erected at the Veterans' Home, for which bids will be opened by the State Department of Public Works, Division of Architecture, Sac-

ramento, December 29. All sub-bids must be in by December 28.

SAWTELLE, Los Angeles Co., Cal.—Congressman Joe Crail has introduced bills in Congress asking for appropriations totaling \$4,000,000 for the construction of a 500-bed addition to the present hospital at the Soldiers' Home, Sawtelle, and for the construction of a new 500-bed out-patients' hospital at the Sawtelle home.

Bids Wanted—To Close Jan. 11, 11 A. M.

FURNITURE Cost, \$—
FRENCH CAMP, San Joaquin Co. Cal. Furnish and install bed side tables in new unit at San Joaquin County General Hospital.
Owner—County of San Joaquin, Eugene D. Graham, county clerk.
Spec. prepared by W. Y. Tretheway, county purchasing agent, Room 5, Courthouse, Stockton.

Shade Contract Awarded.
ADDITIONS Cont. price, \$269,837
SAN FRANCISCO, Potrero Ave. bet. 20th and 23rd Sts.

Class A additions on roof of San Francisco Hospital (four wards; brick walls, tile roofing).

Owner—City and County of San Francisco.
Architect—Alfred I. Coffey and Martin J. Rist., associated, Phelan Bldg.
Contractor—Barrett & Hilt, 913 Harrison Street.

Shades—D. N. & E. Walter, 562 Mission Street.
Other awards previously reported.

Contract Awarded.
ELEVATOR, Etc. Cont. price, \$4665
FRENCH CAMP, San Joaquin Co., Cal. General contract work in connection with a X-ray department, passenger elevator and connecting passageway for the County General Hospital.

Owner—County of San Joaquin, E. D. Graham, county clerk.
Architect—Frederick H. Meyer, 525 Market St., San Francisco.

Connecting Passageway—E. H. Riley, First National Bank Bldg., Stockton.

Other awards reported Dec. 8, 1931.

SAN FRANCISCO—Young & Horst-meyer, 461 Market Street, desire sub-bids on all portions of the work in connection with the construction of the Marine Hospital group of buildings for which bids will be opened on January 8.

HOTELS

Preparing Plans.
STORE & HOTEL Cost, \$45,000
LAS VEGAS, Nevada.

Two-story concrete and brick store and hotel (80x123-ft.) 26 rooms, 12 stores.

Owner—Charles Howard.
Architect—J. Frank Cavanaugh, Architects' Bldg., Los Angeles.
Contractor—Selected, Name Withheld.

Sub-Contracts Awarded.
REMODEL Cont. price, \$30,250
SALINAS, Monterey Co., Cal. 17 Main Street.

Remodel two-story hotel (wood studs and joists, brick exterior walls, all 45 baths).

Owner—Franciscan Hotel, 117 Main St., Salinas.
Architect—H. H. Winner, 15 Steuart St., San Francisco.

Contractor—Carl N. Swensen, 355 Stockton Ave., San Jose.

Plumbing—Scott Co., 243 Minna St., San Francisco.

Heating and Ventilating—Anderson Dougherty-Hargis, Monterey.

Tile Work—Scott Co., 243 Minna St., San Francisco.

Mill Work—Pacific Mfg. Co., Monadnock Bldg., San Francisco.

Electric Wiring—W. B. Baker Mfg. Co., 270 6th St., San Francisco.

Painting—A. A. Zelinsky, 4420 California St., San Francisco.

Work involves finish carpentry, rough carpentry, lathing and plastering, magnesite work, plumbing, electric, metal windows, ventilating, tile work, painting and finishing.

ICE AND COLD STORAGE PLANTS

Planned.
ICING PLANT Cost, \$—
STOCKTON, San Joaquin Co., Calif.

Waterway harbor.
Iceing plant.

Owner—City of Stockton.
Architect—Not Selected.

Proposed project is in a very preliminary stage.

POWER PLANTS

Plans Being Revised.
SUB-STATION Cost, \$8000

Total cost, includ. equip., \$100,000
VALLEJO, Solano Co., Calif. Foot of Kentucky Street.

One-story reinforced concrete sub-station (55x33-ft.; concrete roof, covered with tar and gravel).

Owner—Vallejo Electric Light & Power Co., Vallejo.

Plans by W. A. Jones, 403 Alameda St., Vallejo.

It is expected to call for bids in about one week.

LOS ANGELES, Calif.—H. A. Van Norman, general manager and chief engineer of the Los Angeles water and power department, announces bids will be called at once for furnishing machinery and equipment for a 60,000-kilowatt unit of a steam generating plant to be erected at Wilmington. The estimated cost of the proposed plant is \$7,000,000. Present plans call for completion of this unit in 18 months.

WILMINGTON, Los Angeles Co., Cal.—Los Angeles Water and Power Department is preparing plans for a 60,000-kilowatt unit of a steam generating plant to be erected at Wilmington. Bids for machinery and equipment are to be called at once, according to the Department.

SEAL BEACH, Orange Co., Calif.—Construction of an additional unit to the Seal Beach plant of the Los Angeles Gas and Electric Corp. to provide an additional 40,000 K. V. A. is being planned by the Engineering Department of the company, 810 S. Flower St., Los Angeles; Hattie J. Kistler, Manager of Construction. The project involves approximately 15 miles of new high line between the Seal Beach plant and the East Side (Los Angeles) Substation. This new transmission line will involve steel tower construction with copper wire lines. A decision on the type of generating turbines has not been made, but equipment to provide the 40,000 K. V. A. will be purchased probably next spring. The boiler equipment is now on hand. An addition to the present structure to house the new plant will be required. This addition will be of steel frame and brick filler construction, with concrete foundations, and will add about one-half again to the area of the present plant. The estimated cost of the project is \$3,500,000.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

To Ask Bids In About Two Weeks.
LIBRARY ADDITION Cost, \$32,700
VALLEJO, Solano Co., Calif.
City library addition (wood portion of present structure in the rear will be razed).

Owner—City of Vallejo Library Trustees.

Plans by A. Lutgens, 524 Georgia St., Vallejo.

RESIDENCES

Sub-Contracts Awarded.
RESIDENCE Cost, \$33,500

SAN FRANCISCO, Seaciff District.
Two-story and basement frame, stucco and brick veneer residence (14 rooms, 5 baths; slate roof, tile baths and kitchen, gas heating system, etc.)

Owner—Joseph Branstien.

Architect—Bakewell and Weihe, 251 Kearny Street.

Contractor—A. F. and C. W. Mattock, 212 Clara Street.

Mill Work—Lannom Bros. Mfg. Co., 5th and Magnolia Sts., Oakland.

Lumber—J. H. McCallum, 748 Bryant Street.

Sheet Metal—Frank Davison, 65 Chesley Street.

Roofing—Slate Roofing Co., 4128 Gilbert St., Oakland.

As previously reported grading contract awarded to L. Devenenzil, 150 Collins Street; boring of caissons to D. J. Sullivan, 1942 Folsom St.

Construction Postponed Indefinitely.
RESIDENCE Cost, \$8000

BERKELEY, Alameda Co., Cal. Thousand Oaks.

Two-story and basement frame and stucco residence (single roof, gas heat, colored tile baths & kitchen)

Owner—Withheld.
Architect—John Dinwiddie, Balboa Bldg., San Francisco.

Contract Awarded.
RESIDENCES Cont. price, \$11,905

BOULDER CITY, Nevada.
Seventeen 3-room and twelve 4-room residences.

Owner—United States Government.
Plans by U. S. Bureau of Reclamation, Wilda Bldg., Denver.

Contractor—J. F. Beneston & Sons, Las Vegas, Nev.

The residences will be 1-story buildings without finished basements. All residences will have concrete foundations and outside walls of timber frame construction covered on the outside with deep-siding over sheathing.

Sub-Contracts Awarded.
RESIDENCE Cost, \$5000

RICHMOND, Contra Costa Co., Calif.
W 32nd St. bet. Garvin and Esmond Streets.

Two-story frame and stucco residence (6 rooms, single roof, gas heat, hardwood floors, colored tile bath and kitchen, etc.)

Owner—Glenn Bunker, 2433 35th Ave., Oakland.

Architect—F. H. Slocombe, 3530 Harrison St., Piedmont.

Contractor—Rodger Stone, Central Bank Bldg., Oakland.

Plumbing—George Doll, Richmond.

Electric—El Cerrito Electric Co., El Cerrito.

Concrete—Frank Ansez, Richmond.

Plans Being Figured—Bids Close Jan. 6th.

RESIDENCE Cost, \$—
PASADENA, Los Angeles Co., Calif.

Two-story frame, concrete and brick residence (71x52-ft.; 12 rooms).

Owner—Withheld.
Architect—Bennett and Haskell, First Trust Bldg., Pasadena.

Sub-Bids Being Taken.

RESIDENCES Cost each, \$5000
SAN FRANCISCO. S Seneca Street W Mission.

Two 1-story and basement frame and stucco residences (5 rooms each; composition and tile roof, gas heat, colored tile baths and kitchens, hardwood floors and trim, etc.)
 Owner and Builder—John Dull, 940 Geneva Avenue.
 Architect—Not Given.

Completing Plans.

RESIDENCE Cost, \$15,000
FRESNO. Fresno Co., Cal. Elgarden Tract.

Two-story frame and stucco residence.
 Owner—L. S. Cobb, Fresno.
 Architect—C. E. Butner, Cory Bldg., Fresno.

Bids will be asked in about 2 weeks.

Sub-Contracts Awarded.

RESIDENCE, ETC. Cost, \$4500
PALO ALTO. Santa Clara Co., Cal. No. 335 Alma Street.

Class C residence and masseur parlor (hollow tile construction).

Owner—Anita L. Bybee.

Plans by De Munt Bros.

Contractor—De Munt Bros., 725 Santa Cruz Ave., Menlo Park.

Cement Work—Paul Saunders and Perry DeMant, 725 Santa Cruz Ave., Palo Alto.

Steel Sash—Soule Steel Co., 1750 Army St., San Francisco.

Reinforcing Steel—San Jose Iron Works, 535 W-San Carlos St., San Jose.

Tile Work—Paul Bolt, Palo Alto.

Painting—W. Tilly, Palo Alto.

Sheet Metal—Peninsula Sheet Metal Works, 926 Emerson St., Palo Alto.

Plumbing—Grant Winner, 704 Bryant St., Palo Alto.

Roofing—Peninsula Roofing Co., Mt. View.

Plastering—C. Armstrong, Palo Alto.

Electric—Callahan Electric Co., 433 California Ave., Palo Alto.

Sub-Contracts Awarded.

RESIDENCE Cost, \$5000
OAKLAND. Alameda Co., Calif. 551 58th Street.

One-story and basement frame and stucco residence (6 rooms; Spanish type).

Owner and Builder—Morgensen Bros., 5664 Broadway, Oakland.

Architect—Not Given.

Plastering—A. Springer, 618 17th St., Oakland.

Painting—F. L. Courtney, 5169 Golden Gate Ave., Oakland.

Brick—C. P. Hunter, Jr., 1517 Tyler St., Berkeley.

Tile—Rigney Tile Co., 3012 Harrison St., Oakland.

Plumbing—Ambrose Bros., 206 Chumalla Ave., San Leandro.

Contract Awarded.

RESIDENCE Cost, \$10,000
BURLINGAME. San Mateo Co., Cal.

Two-story and basement frame and stucco residence (7 rooms and 2 baths; shake roof, gas heat, electric refrigeration, etc.; English type).

Owner—Leona Richardson.

Architect—John Dinwiddie, Balboa Bldg., San Francisco.

Contractor—A. J. Wilbe, Whitcomb Hotel, San Francisco.

Preparing Working Drawings.

RESIDENCE Cost, \$10,000
SAN FRANCISCO. No. 1 Villamar Avenue.

Two-story and basement frame and stucco residence (7 rooms and 2 baths; composition and tile roof, gas heat, colored tile baths and

kitchen, hardwood floors and trim, etc.)

Owner—Dr. V. H. Podstata, 450 Sutter St., San Francisco.

Architect—John Dinwiddie, Balboa Bldg., San Francisco.

SCHOOLS**Preparing Plans.**

SCHOOL ADDITION Cost, \$100,000
LOS ANGELES. Calif. 820 Towne Ave. Class B brick school addition (16 units).

Owner—Los Angeles City School District.

Architect—A. S. Nibecker, Jr., Los Angeles.

Preparing Plans.

MUSIC HALL Cost approx. \$25,000
ST. HELENA. Napa Co., Cal.

Two-story frame and stucco music hall (auditorium to seat 100) composition shingle roof, maple floors, steam heat to connect to main plant).

Owner—Pacific Union College, St. Helena.

Architect—Trelchel and Goodpastor, American Bank Bldg., Oakland.

Preparing Plans.

SCHOOL Cost, \$230,000
VALLEJO. Solano Co., Calif.

Two-story Junior High School (reinforced concrete exterior walls, fire resistance construction on interior, tile roof, maple floors in classrooms, linoleum in corridors, steam heating system with vacuum pump).

Owner—Vallejo Junior High School District, Elmer E. Cave, secretary, Board of Education.

Architect—Frederick H. Reimers, 233 Post St., San Francisco, Davis-Pearce Co., Grant and Webster Sts., Stockton, associated.

Preparing Preliminary Plans.

BLEACHERS Cost, \$35,000
BERKELEY. Alameda Co., Calif. Southwest of Campus.

Reinforced concrete bleachers.

Owner—University of California.

Architect—Geo. W. Kelham, 315 Montgomery St., San Francisco.

Completing Plans.

SCHOOL Cost, \$140,000
LOS ANGELES. Cal. 71st and Los Angeles Streets.

Two-story brick school (24 units).

Owner—Los Angeles School District.

Architect—M. L. Barker and G. Lawrence Ott, 346½ La Brea Avenue, Los Angeles.

Bids will be taken in one week.

Reinforcing Steel Contract Awarded.

GYMNASIUM Cont. price, \$418,000
BERKELEY. Alameda Co., Cal. Campus of the University of California.

Two-story and basement Class A steel frame and concrete men's gymnasium (gymnasium type hardwood floors, composition, rock, asphalt and gypsum roofing, steel sash, etc.).

Owner—University of California.

Architect—Geo. W. Kelham, 315 Montgomery St., San Francisco.

Contractor—Dinwiddie Const. Co., Crocker Bldg., San Francisco.

Reinforcing Steel—Pacific Coast Steel Co., 20th and Illinois Sts., San Francisco.

As previously reported, structural steel awarded to Judson-Pacific Co., 609 Mission St., San Francisco; excavation to J. Catucci, 1212 18th Ave., Oakland; heating to Turner Co., 829 Tehama St., San Francisco; electric to Alta Electric & Mfg. Co., 938 Howard St., San Francisco; plumbing to F. W. Snook, 596 Clay St., San Francisco.

Taking Bids—To Close Jan. 12.

SCHOOL ADDITION Cost, \$90,000
PASADENA. Los Angeles Co., Calif. Roseville and Craig Sts.

Reinforced concrete school addition (6 classrooms, library, etc.)

Owner—Pasadena School District.

Architect—Bennett and Haskell, First Trust Bldg., Pasadena.

Bids Wanted—To Close Jan. 8th, 11 A. M.

ENTOMOLOGICAL BLDG. Cost, \$125,000
RIVERSIDE. Riverside Co., Cal.

Two-story and basement reinforced concrete entomology bldg. (100x70)

Owner—Regents of the University of California, 405 Higar Ave., Los Angeles.

Architect—G. Stanley Wilson, 3646 9th St., Riverside.

OAKLAND. Cal.—International Time Recording Co., 529 Market Street, San Francisco, at \$1,644 awarded contract by Oakland Board of Education to furnish and install electric clock and program system in the Fremont High School at 47th Ave. and Foothill Blvd.

Plans Being Prepared.

SCHOOL Cost, \$140,000
LOS ANGELES. Cal. 71st and Hoover Streets.

Two-story Class B brick and concrete school (24 units; 200x40-ft.).

Owner—Roman Catholic Archbishop of Los Angeles and San Diego.

Architect—M. L. Barker and G. L. Ott, 346½ S La Brea Ave., Los Angeles.

PALO ALTO. Santa Clara Co., Cal. —Until January 7, 7:30 P. M., bids will be received by A. C. Barker, secretary, Board of Education, to furnish and install electric alarm systems in the high school. Specifications obtainable from secretary.

SAN JOSE. Santa Clara Co., Cal.—F. C. Amoroso & Sons, Wallace and Keith Sts., San Francisco, desire sub-bids on all portions of the work in connection with the construction of the Science building to be erected for the State of California at San Jose for which bids will be opened in Sacramento on January 5.

SAN FRANCISCO.—Until Jan. 4, 3 P. M., bids will be received by Leonard S. Leavy, City Hall, to furnish miscellaneous gymnasium equipment for School Department.

BANKS, STORES & OFFICES

Preparing Plans.

BANK Cost, \$—
RIVERSIDE. Riverside Co., Calif.

Masonry bank building.

Owner—First National Bank of Riverside.

Architect—Garrett Van Pelt, Jr., 51 S Euclid Ave., Pasadena.

Bids Opened—Held Under Advisement.

REMODEL BLDG. Cost, \$12,000
CHICO. Butte Co., Calif. Broadway and Second Sts.

Remodel 1-story and basement brick building (2 stores, tile work, new plumbing, heating, etc.)

Owner—Withheld.

Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Announcement will be made within a few days.

Shade Contract Awarded.

OFFICES Cost, \$325,000
SAN FRANCISCO. N McAllister St. W Polk St. (60x120-ft.)

Six-story and basement Class A reinforced concrete offices (terra cotta and granite facing; steam heating

system, etc.)
Owner—Perry F. Burke, care William Magee, 69 Sutter Street.
Architect—Bliss & Fairweather, Balboa Building.
Contractor—Barrett & Hilt, 918 Harrison Street.
Engineer—T. Ronneberg, Crocker Bldg.
Shades—D. N. & E. Walter, 562 Mission Street.
Other awards previously reported.

SANTA ANA, Orange Co., Cal.—Santa Ana Business Property Syndicate, Santa Ana, announces that work will start shortly after January 1 on the erection of a three-story and basement, Class A store and office building, 100x100 feet in area, at the north-east corner of Fourth and Main Sts., Santa Ana, for the Syndicate. The building will cost approximately \$175,000. Meyer & Holler, 315 Wright & Callender Bldg., Los Angeles, will handle construction.

Bids Opened.
STORE Cost, \$—
SAN FRANCISCO, Pacific Avenue and Taylor Street.
One-story and basement reinforced concrete and steel frame store (composition roof and concrete floors).
Owner—Withheld.
Architect—E. A. Neumarkel, 340 Kearny Street.
Low Bidder—J. Martinelli, 1355 Francisco Street.
Following is a complete list of bids:
J. Martinelli \$ 8,832
G. P. W. Jensen 8,860
M. Vukicevich 9,197
J. D. Hannah 9,250
Monson Bros. 9,378
I. M. Sommer 9,455
Richard Hanna 9,488
The Phoenix Company 9,787
Mission Concrete Company 9,970
C. C. & H. H. Haun 10,020
Young & Horstmeier 10,300
Charles Koenig 10,567
J. W. Cobby & Son 10,650
H. L. Petersen 10,997
Bids held under advisement.

To Be Done By Day's Work.
ALTERATIONS Cost, \$7000
OAKLAND, Alameda Co., Cal. 467-9
14th Street.
Alterations to lunch room.
Owner—Foster Lunch System, 938 Mission St., San Francisco.
Architect—Not Given.

THEATRES

Complete Bid Listing — Contract Awarded.
THEATRE Cont. Price, \$188,765
BERKELEY, Alameda Co., Cal. Shattuck Ave. and Bancroft Way.
Two-story Class A reinforced concrete theatre and store (seating capacity 2500).
Owner — United Artists Theatres of California (Jos. M. Schenck, vice-president), 165 S. Vermont Street, Los Angeles.
Architect—Walker & Eisen and C. A. Balch, Western Pacific Bldg., Los Angeles.
Contractor—Cahill Bros., 206 Sansome St., San Francisco.
Following is a complete list of bids received:
Cahill Bros., San Francisco.....\$188,765
Lindgren & Swinerton, Inc., San Francisco 190,000
Baird & Hilt, S. F. 192,137
Walter Sorensen, S. F. 198,516
J. Wesley Forderer, Los Angeles 199,527
Jas. L. McLaughlin, S. F. 208,800
Clinton-Stephenson Constr. Co., San Francisco 211,662
MacDonald & Kahn, S. F. 221,000

WHARVES AND DOCKS

OAKLAND, Cal.—Donald F. Gregory, president of the Berkeley Waterfront Co., has announced that a general plan of improvements for the East Bay waterfront is now under consideration by representatives of the cities on the East Bay Harbor. The proposed development includes piers extending through tidelands to the San Francisco county line in the center of the bay to the Oakland side, with deep water channels paralleling the pier heads.

Bids Wanted—To Close Jan. 27.
TRANSIT SHED Cost, \$275,000
LOS ANGELES, Calif. Berths 145-146
Los Angeles Harbor.
One-story concrete and steel transit shed (100x120-ft.; sprinkler system, steel rolling doors, etc.)
Owner—City of Los Angeles.
Plans by Harbor Engineer.

MISCELLANEOUS CONSTRUCTION

Planned.
SWIMMING POOL Cost, \$—
SANTA CRUZ, Santa Cruz Co., Cal. Facing San Lorenzo River.
Swimming pool.
Owner—Glenn Ellis, Santa Cruz.
Architect—Not Given.

Preparing Plans.
BROADCASTING STA. Cost, \$—
BAKERSFIELD, Kern Co., Calif.
Radio broadcasting station (steel tube mast 165-ft. high).
Owner—James McClatchy Company.
Architect—Edwin J. Symmes, Habersfelde Bldg., Bakersfield.

SAN FERNANDO, Los Angeles Co., Cal.—Until 2:30 P. M., January 15, bids will be received by the Veterans' Administration, Palo Alto, for the construction of a garbage dehydrating plant at the Veterans' Administration Hospital, San Fernando. The work will include excavating, backfilling, plain and reinforced concrete work, stucco work, carpentry, miscellaneous iron and steel work, steel stairs, steel window equipment, insect screens, painting, glazing, hardware, electric work, plumbing, steamfitting and electrically-driven steam garbage dehydrator, complete with electric motor and controller, steam connections, etc. Bidding data may be obtained from the Supervising Superintendent of Construction, Veterans' Hospital, Palo Alto; no deposit required. Guaranty bond, certified check or U. S. bonds in the sum of 25% must accompany each bid. L. H. Tripp, director of construction.

SAN LEANDRO, Alameda Co., Cal.—Civic Center Committee, composed of twenty-five representative citizens, Dr. Chas. Howard Miller, chairman, proposes erection of a \$160,000 community center. The committee plans a bond issue for \$80,000 to finance the purchase of a 20-acre site and \$22,500 for a building program.

LAS VEGAS, Nev.—Lions Club has suggested that a public swimming pool be constructed in the Las Vegas city park. The matter was referred to the city engineer for report.

MISCELLANEOUS SUPPLIES AND MATERIALS

UKIAH, Mendocino Co., Cal.—Until January 12, 10 A. M., bids will be received by H. M. Burke, county clerk, to furnish and deliver stove oil and fuel oil for the county courthouse and county detention home, for a period of

one year commencing Jan. 15, 1932 and ending Jan. 14, 1933. Specific gravity of oil to be 18 degrees plus. Specifications obtainable from the county clerk.

UKIAH, Mendocino Co., Cal.—Until Jan. 12, 10 A. M., bids will be received by H. M. Burke, county clerk, to furnish stove oil and fuel oil to Mendocino County at the Court House and Detention Home for a period of one year, beginning Jan. 15, 1932, and ending Jan. 14, 1933. Specific gravity of the oil to be 18 degrees plus.

SAN DIEGO, Cal.—Until Jan. 7, 11 A. M., bids will be received by 11th Naval District, foot of Broadway, San Diego, for provision and installation of (a) approximately 55 feet of new steel meat track, together with the necessary cast iron hangers, timber supports for meat track, ½-inch diameter suspension rods and flat steel lateral stiffeners; (b) the removal of one existing crossover and its two accompanying switches, and the reinstallation of crossover and appurtenances, providing a connection between the new and old tracks and including the making of the necessary repairs to the old tracks caused by the removal and reinstallation; and (c) the provision of 50 new meat trollies and hooks. Check of \$10.00 required for bidding data.

SAN DIEGO, Calif.—D. C. Collier, president of the San Diego exposition, is negotiating with the Mexican government for the erection of a \$150,000 radio and television station near the Lower California border.

SAN DIEGO, Cal.—Until Jan. 7, 11 A. M., bids will be received by 11th Naval District, foot of Broadway, San Diego, for provision of a roof ventilating monitor and includes the cutting out a section of the existing concrete and tile filled roof; installing new reinforced concrete curb around the new ventilating opening; providing and installing new steel monitor frame, steel columns, trolley beams, etc.; steel monitor sash; concrete roof slab and built-up roofing for monitor; corrugated iron siding and copper flashings. Check or postal money order in amount of \$10.00 required for bidding data.

Steel Bridge Design Competition Is Slated

For the purpose of continuing its program of encouraging improvement in the esthetics of steel bridge design, the American Institute of Steel Construction offers three cash prizes of \$500, \$250 and \$100 in a competition open to bona fide registered students of structural engineering and architecture in recognized technical schools of the United States and Canada. The subject of the design is a steel highway bridge. The problem is defined by the following description:

At a crossing of a parkway or boulevard over a double-track railroad it is desired to construct a highway bridge of a character befitting its purpose and location. The roadway width is 40 ft. between curbs and there are two sidewalks on each side 6 ft. wide. The clear span of the structure is 50 ft. and the clearance over track centers, from top of rail to under side of bridge is 22 ft. The approach grades at both ends are 5 per cent.

The jury of award will consist of architects and consulting bridge engineers of national reputation. Preliminary drawings must be received at the executive offices of the American Institute of Steel Construction, 200 Madison Ave., New York City, by March 19.

Engineering News Section

BRIDGES

LOS ANGELES, Calif.—Nead Const. Co., 809 Anacapa Blvd., Wilmington, submitted low bid to county supervisors Dec. 21 at (\$1) \$12,200 (based on use of redwood timber) for constructing a timber and steel bridge on Bank Blvd. over the arm of Alamitos Bay at the Recreating Lagoon.

Gieblisch & Hoak, 12 Virgil Walk, Long Beach, submitted the low bid on (2) Douglas Fir, at \$17,445.

The plans call for a bridge 327 ft. in length, with one center removable steel span, 41 ft. 4 in. in length, the remainder of the spans, which are wooden, being each 20 ft. in length. Construction will require cresoated piling in 40-ft. lengths. The roadway will be 24 ft. with one 5-ft. walk. The deck will be laminated with a 4-in. asphaltic conc. wearing surface. Plans were prepared by A. H. Adams, City Engineer, Long Beach.

SEATTLE, Wash.—City council voted to set March 8 as date for general election to vote bonds of \$1,800,000 to finance construction of the Ballard Bridge. In addition a bond issue for \$500,000 will be decided upon as the city's portion of the cost in the improvement of Railroad Avenue, the total cost of which is placed at \$1,200,000, the balance of the work to be financed by assessment.

SOLANO COUNTY, Calif.—Until Jan. 8, 3 P. M., under Circular Proposal No. 32-216, Specifications No. 4038, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, for removing an existing timber trestle and furnishing, complete, and in place of same one 80-ft. timber trussed highway bridge span, together with timber pile abutments, across the dredge cut on the west side of Yolo By-Pass in Solano County, about one-half mile south of the boundary line between Solano and Yolo counties. Bids will be taken as follows:

- (1) dismantle and remove a section 80 ft. long of existing timber trestle;
- (2) construct two timber pile abutments in place;
- (3) construct timber trussed bridge span in place, 80-ft. long.

EUREKA, Humboldt Co., Calif.—Until January 12, 2 P. M., bids will be received by Fred M. Kay, county clerk for repairing the cable suspension bridge over the South Fork of Trinity river at Limestairs in Road District No. 5. Plans obtainable from Frank Kelley, county surveyor.

SAN DIEGO, Calif.—Bids will be asked shortly by the county supervisors to construct a concrete bridge over Sorrento Slough; estimated cost, \$50,000. Plans were prepared by Bridge Department of the State Highway Commission.

DREDGING, HARBOR WORKS & EXCAVATIONS

MARYSVILLE, Yuba Co., Calif.—Until December 29, 3 P. M., under Circular Proposal No. 32-211, Specifications No. 4022, bids will be received by U. S. Engineer Office, California Fruit Bldg., to assemble and install a

40-ft. extension to the existing 36-in. double corrugated pipe culvert thru the east levee of the Feather river, near the Eliza Bend Pumping Station, approximately two miles south from Marysville together with the construction of a concrete headwall and a concrete stopwall. The work will also include the removal of the present headwall and the construction of a new concrete headwall.

NYSSA, Ore.—J. A. Terteling, Elensburg, Wash., at \$133,450, under Schedule No. 1, submitted low bid to the U. S. Bureau of Reclamation at Nyssa, Dec. 22, for construction of the North Canal, Cwyhee Project, Oregon-Idaho, including earthwork, tunnels and structures. General Const. Co., Seattle, low at \$151,050, under Schedule No. 2. Work under Schedule No. 1 covers earthwork and structures on North Canal Sta. 4-20.63 to Sta. 235-64.88 and operating roads at Tunnel No. 2 and between Tunnel No. 3 and Black Willow Station. Schedule No. 2 involves Tunnel Nos. 2 and 3, approach tunnel to Owyhee River siphon and tunnel transitions.

STOCKTON, San Joaquin Co., Calif.—Longview Dredging & Const. Co., Rio Vista, at \$225,547.50 submitted low bid to U. S. Engineer Office, California Fruit Bldg., Sacramento, for dredging approximately 3,111,000 cu. yds. of material in the Stockton 26-ft. channel prism from a point just west of the northerly end of Spud Island, approximately 10 miles northeast of Stockton, to the vicinity of Camp 8, Venice Island, a distance of approximately 4.4 miles.

Complete bids follow:

- Longview Dredging & Const. Co., Rio Vista, \$0.725; \$225,547.50.
- Hydraulic Dredging Co., Oakland, \$0.747; \$232,391.70.
- Standard Dredging, Los Angeles, \$0.759; \$236,124.90.
- San Francisco Bridge Co., S. F., \$0.768; \$238,848.00.
- Puget Sound Bridge Co., Seattle, \$0.889; \$276,567.90.

LOS ANGELES, Calif.—Until 2 P. M. Jan. 4, bids will be received by the Los Angeles county supervisors for the construction of levee and Gunite protection work on Pacoima Wash, between Arleta St. and San Fernando Road. The items upon which bids are being taken, are:

- (1) 66,500 cu. yds. excavation;
- (2) 186,000 sq. ft. Gunite facing slab;
- (3) 207,000 sq. ft. manufacturing and placing pre-cast mattress;
- (4) 9900 sq. ft. concrete paving slab, Laurel Canyon Blvd.;
- (5) 30 cu. yds. Class B concrete cutoff walls and curtain walls;
- (6) 5 cu. yds. Class C misc. reinforced concrete structures;
- (7) 100 cu. yds. rockfill, Laurel Canyon Blvd.;
- (8) 10,900 lbs. placing metal drainage culverts and gate complete;
- (9) clearing right of way of all debris.

E. C. Eaton, 202 N Broadway, is the Flood Control Engineer. Mame B. Beatty, 303 Hall of Records, Clerk of the Board.

LOS ANGELES, Calif.—Bids will be asked shortly by the U. S. Engineer yds. of material in the Los Angeles

Office, Central Bldg., Los Angeles, for dredging and depositing 100,000 cu. Coter Harbor.

STREET LIGHTING SYSTEMS

REDWOOD CITY, San Mateo Co., Calif.—Until Jan. 4, 10 A. M., bids will be received by E. B. Hinman, county clerk, for illuminating by means of electric energy and lamps, involving: 43 100 candle power overhead street lighting units with refractors. Certified check, 10%, required.

BURLINGAME, San Mateo Co., Calif.—Petition will be presented to the city council at an early date requesting electroliters on California Drive from Broadway to Palm Drive. This will be the second petitioned presented.

MACHINERY AND EQUIPMENT

VALLEJO, Solano Co., Calif.—Fageol Motors, San Francisco, at \$375, submitted low bid to Board of Education to furnish one school bus. Bids held under advisement until the return of Elmer L. Cave, city superintendent of schools. Complete list of bids on file in office of Daily Pacific Builder.

SANTA ANA, Orange Co., Calif.—Until 7:30 P. M., Jan. 11, bids will be received by city council for furnishing equipment as follows:

- (1) one commercial 1½-ton truck chassis with 160-inch wheelbase, equipped with dual rear wheels, cab and stake body;
- (2) one 1½-ton truck chassis with 140-in. wheelbase;
- (3) one light commercial car with cab and open pickup body;
- (4) one light passenger sedan with standard equipment.

Specifications may be obtained from the city engineer, DeWitt Dudley. Certified check, 10%.

OAKLAND, Calif.—City council rejects bids to furnish apparatus for reclaiming used oil for city auto crankcases. Bids were considered too high. New figures will be asked.

RESERVOIRS AND DAMS

LOS ANGELES, Calif.—Surveys for the proposed water conservation program in the Harbor District will start at once under the direction of E. C. Eaton, Los Angeles county flood control engineer. The plans for the project, which is estimated to cost \$800,000, will involve construction of a reservoir and percolation basin in Nigger Slough at Harbor Blvd., north of Wilmington, where provision will be made for the storage of 15,000 acre feet of water. This will be used for replenishing the area between Wilmington, Long Beach, Compton, Gardena and Torrance. The \$44,900 fund was voted in 1917 for a flood control channel from the slough to the ocean but County Counsel Everett Mattoon has ruled that the district may use the bond money for the present preliminary work.

ST. HELENA, Napa Co., Cal.—Until January 12, 8 P. M., bids will be received by E. R. Palmer, city clerk, for making certain improvements to the Lower Reservoir of the city. Specifications obtainable from John A. Mitchell, city engineer.

LOS ANGELES, Cal.—N. I. Fadel, 7827 S Harvard Blvd., submitted low bid to county supervisors at \$27,000 for driving outlet tunnel for San Gabriel Dam No. 2, approximately 1000 lin. ft. of 16-ft. dia. tunnel. The quantities are:

- (1) 6000 cu. yds. driving untimbered tunnel complete;
- (2) 400 cu. yds. driving timbered tunnel complete, includ. all costs of timbering;
- (3) 3400 cu. yds. excav. for open cut approaches at portals of tunnel.

The bids were:

N. I. Fadel (1) \$3.25 (2) \$6.00 (3) \$15.00 totals, \$27,000.
J. W. Breedlove Corp. and Andrianos & Biller, (1) \$3.80 (2) \$7.75 (3) \$1.00 totals \$29,300.

Nevada Const. Co., (1) \$4.30 (2) \$7.00 (3) \$1.00 totals, \$32,000.

R. L. Cox, (1) \$4.60 (2) \$6.00 (3) \$1.00 totals, \$33,400.

Gist & Bell, (1) \$4.70 (2) \$6.75 (3) \$1.00 totals, \$34,300.

LOS ANGELES, Cal.—Henry L. Jacques, construction engineer, Los Angeles Water and Power Department announces excavation will start about January 15 for the Bouquet Canyon Dam. At the present time the department is building roads, power lines, water lines, and establishing a forty men are now on the job. About forty men are now on the job. Water for construction purposes will be brought from San Francisco Canyon by a tunnel through the hills.

Excavation for the dam will be done by the department using its own forces supplemented by labor from unemployed lists. The department now has on hand shovels for this work, while the hauling of earth and rock to the site of the project will be handled by Switzer Bros. under a yearly contract which that firm holds for dump truck services.

This dam will be built in Bouquet Canyon at the junction of Spunky Canyon Road, about ten miles north of Saugus. It will be a combination rolled earth and rock fill dam, 185 ft. in height, 50 ft. wide at the crest, 1100 ft. in length at the crest, with 3 to 1 slopes, making the base approximately 1200 ft. in thickness. The reservoir will impound 32,000 acre ft. Construction will involve approximately 3,500,000 cu. yds. material.

Plans for the dam were prepared by H. A. Van Norman, General Manager and Chief Engineer. All Construction and field work is under the supervision of H. L. Jacques, Construction Engineer.

PIPE LINES, WELLS, ETC.

YREKA, Siskiyou Co., Cal.—Until January 7, 7:30 P. M., bids will be received by U. F. Brown, City Clerk, to furnish f. o. b. Yreka, pipe and couplings as follows:

- (1) 3500 ft. 8-in. No. 14 gauge double riveted and double dipped soil proof wrapped sheet steel pipe in 30-ft. lengths;
- (2) 100 ft. 8-in. No. 14 gauge double riveted and double dipped soil proof wrapped steel pipe in 10-ft. lengths.

All above to be wrapped within one and one-half inches of end and ends to be made for 8-inch Dayton couplings.

- (3) 127 eighth inch Dayton couplings with bolts and gaskets.

Certified check 10% required with bid. Further information obtainable from city clerk.

SIGNAL HILL, Los Angeles Co., Cal.—Until 3 P. M., Jan. 4, bids will be received by city council for furnishing 200 ft. of wrought iron pipe, ¾-in. thick, 16-in. in diameter, for use as well casing at Smith Well No. 2 (now being drilled). Geo. H. Cooper is the city clerk. W. V. Compton is the city water superintendent.

SAN DIEGO, Cal.—Construction of a pipe line from El Capitan Dam site to Lakeside, consisting of eight miles of 36-in. diameter pipe, and estimated to cost \$442,000, is included in the construction authorized under the \$3,676,000 bond issue voted on Dec. 15. H. N. Savage, 524 F St., San Diego, is the hydraulic engineer.

SEWERS AND SEWAGE DISPOSAL PLANTS

BROOKDALE, Santa Cruz Co., Cal.—Lloyd Bowman, county surveyor, in a report to the supervisors estimates the cost of a sewage disposal system for the Brookdale territory at between \$12,000 and \$15,000. The cost, the supervisors hold, is prohibitive.

PALO ALTO, Santa Clara Co., Cal.—City council votes to call election for \$185,000 bond issue to finance extension of the city's and Stanford University's sewage system in addition to the construction of a sewage disposal plant and treatment works. The Stanford University will pay \$31,000 of the total cost of the system. J. F. Byxbee, Jr., is city engineer of Palo Alto.

SACRAMENTO, Calif.—City council will order surveys made for proposed new sewage disposal system to eliminate the further pollution of the Sacramento river. Tentative estimates of cost place the construction of a modern plant at between \$300,000 and \$400,000. Jas. S. Dean is city manager.

LAS VEGAS, Nev.—A. R. Thompson, city engineer, reports that construction of the new sewer system and sewage treatment plant will be started by the Fuller Const. Co. of Dallas, Texas, successful bidders, as soon as the contract for the sale of the bonds has been signed and \$50,000 in money derived from the sale of the \$125,000 block of bonds, shall have been received by the city. The contract amounts to \$106,510.54.

The work involves the construction of the disposal plant, consisting of by-pass manhole, screen chamber, incinerator, tanks, drying apparatus, pump house, pumps and motors, piping, valves, etc., and pipe as follows:

- (1) 6,720 ft. 8-in. pipe;
- (2) 15,000 ft. 10-in. pipe;
- (3) 5,680 ft. 12-in. pipe;
- (4) 5,600 ft. 15-in. pipe;
- (5) 2,930 ft. 18-in. pipe;
- (6) 1,700 ft. 21-in. pipe;
- (7) 102 manholes;
- (8) 3 flush tanks;
- (9) 90 8x6-in. wyes;
- (10) 220 10x6-in. wyes;
- (11) 90 12x6-in. wyes;
- (12) 110 15x6-in. wyes;
- (13) 70 18x6-in. wyes;
- (14) 20 21x6-in. wyes.

Trenching items are as follows:

- (15) 1,780 ft. 6-ft. or less;
- (16) 10,570 ft. 8- to 8-ft.;
- (17) 15,740 ft. 8- to 10-ft.;
- (18) 5,600 ft. 10- to 12-ft.;
- (19) 2,000 ft. 12- to 14-ft.;
- (20) 2,380 ft. 14- to 16-ft.;
- (21) 580 ft. 16- to 18-ft.;
- (22) 100 ft. 18- to 20-ft.;

(23) 3,500 cu. yds. loose rock excav.;
(24) 10,500 cu. yds. solid rock.
The bids were opened Oct. 28. W. L. Benham Eng. Co., Oklahoma City, Okla., consulting engineer.

WATERWORKS

SAN FRANCISCO.—United Iron Works, 580 2nd St., Oakland, at \$20,700 awarded contract by Board of Public Works to furnish and deliver centrifugal pumps, synchronous motors and power transformers in connection with the Corral Hollow Pipe line project of the Hetch Hetchy Water System.

OAKLAND, Calif.—Art Concrete Works, 24th and Adeline Sts., Oakland at \$1265, submitted low bid to East Bay Municipal Utility District to furnish the following:

- (1) 2000 concrete meter boxes;
 - (2) 2500 concrete meter box covers.
- Complete bids follow:
(A) Art Concrete Wks., Oakland..... \$1265
(B) Forni Mfg. Co., Oakland..... 1370

SALEM, Ore.—A bond issue of \$2,500,000 to finance the acquisition of a municipal water system has been authorized by the city. If an offer to purchase the privately-owned system is not accepted condemnation proceedings will probably be started. The city also has under consideration the construction of an entirely new system. Barr & Cunningham, Spalding Bldg., Portland, Ore., consulting engineer.

PALO ALTO, Santa Clara Co., Cal.—City council votes to call election to vote bonds of \$15,000 to finance installation of a water system in the newly annexed Embarcadero Tract. Preliminary surveys have been completed by J. F. Byxbee, Jr., city engineer.

LOS ANGELES, Calif.—General Petroleum Corp., V. F. Grace, construction superintendent, 2525 E 37th St., Los Angeles, is taking bids for a waste water separator to be constructed at Berth 238, Los Angeles Harbor. The work will involve piping, pumps and concrete work, and will cost approximately \$20,000.

LOS ANGELES, Calif.—Until 11 A. January 6, bids will be received by city purchasing agent, Thomas Oughton, for furnishing a fire department salvage pump, Byron-Jackson or equal under Spec. No. 2701.

BEVERLY HILLS, Los Angeles Co., Cal.—Until 8 P. M., Jan. 19, bids will be received by city council for installation of 1058 ft. 8-in. cast iron pipe water main for civic center. Plans obtainable from consulting engineers, Salisbury, Bradshaw & Taylor, Petroleum Securities Bldg., Los Angeles. B. J. Firminger, city clerk.

BEVERLY HILLS, Los Angeles Co., Cal.—Marko Mattick, 1436 W 51st St., Los Angeles, awarded contract by the city council at \$14,070 to furnish and lay 3770 ft. of cast iron pipe.

WOODLAND, Yolo Co., Cal.—Estimates of cost for the installation of water mains in Cross St. from College to Fifth and from Beamer to Woodland Ave. and from Third St. extending 250 ft. west on Woodland Ave. This is the first unit of water works extensions planned by the city council with a view to relieving the unemployment situation.

SAN BERNARDINO, Cal.—January 16 has been set as date for election to vote on the formation of a county water works district in the Cull Subdivision at Harlem Springs, San Ber-

Harding County, Howard L. Way is county engineer.

- YUBA COUNTY, Cal.—Western Pipe & Steel Co., 444 Market St., San Francisco, at \$46,771 submitted low bid to U. S. Engineer Office, California Fruit Bldg., Sacramento, to furnish f.o.b. trucks or railroad cars at Marysville:
- (1) 80 lin. ft. 12-gauge corr. galvanized culvert pipe, 36-in. dia., to be made up in 4 sections, each 20 ft. long;
 - (2) 4 12-gauge corr. gal. iron coupling bands to fit 36-in. dia. pipe of item 1. Each band to be 12 1/2 in. wide and complete with bolts, etc.;
 - (3) 2 cast iron, automatic drainage gates with balanced shutter for 30-in. dia. pipe of item 1, complete and assembled to one end of two sections of the pipe of item 1. These gates to be similar and equal to "Calco" automatic drainage gate, model 100.

Complete bids follow:
 Western Pipe & Steel Co., San Francisco.....\$346.74
 California Corru. Culvert Co., Berkeley.....351.78

STREETS AND HIGHWAYS

SANTA BARBARA, Calif.—Until 10 A. M., Jan. 11, bids will be received by county supervisors for improvement of west end of Goleta Foothill Blvd., involving:

- (1) 19,000 cu. yds. excavation;
- (2) 12 cu. yds. reinf. concrete;
- (3) 60 x 7-ft. cattle path;
- (4) 296 lin. ft. 18-in. corr. iron pipe;
- (5) 70 ft. 24-in. corr. iron pipe.

Plans obtainable from county surveyor, Owen H. O'Neill.

SEAL BEACH, Orange Co., Calif.—Until 7:30 P. M., Jan. 7, bids will be received by city council to improve Central Ave. bet. 8th St. and the state highway, under the 1911 act, involving:

- (1) 116,727 sq. ft. 6-in. concrete paving, including grading;
- (2) 3390 lin. ft. concrete curb;
- (3) 16,253 sq. ft. cement walk.

Estimated cost, \$32,000. Ray Shaw, city engineer. Ollie B. Padrick, city clerk.

GLENDALE, Los Angeles Co., Cal.—Until 10 A. M., Jan. 14 (tentative date), bids will be received by the city council for widening and paving Glendale Ave. The work will be paid for in cash. The approximate quantities, as estimated by J. C. Albers, city engineer, are:

- (1) 6400 cu. yds. curb;
- (2) 11,600 sq. ft. 8-in. concrete gutter;
- (3) 90,500 sq. ft. 4-in. asph. concrete base;
- (4) 172,000 sq. ft. 2-in. asph. concrete wearing surface.

Note: The tentative date has been extended from Dec. 31 as previously announced.

VERNON, Los Angeles Co., Cal.—G. G. Fisher Equip. Co., 4427 Firestone Blvd., South Gate, submitted low bid to city council at \$17,869 for improving E 26th St. and Soto St. under the Mattoon Act, involving:

- (1) 3969 ft. curb;
- (2) 3978 sq. ft. 9-in. gutter;
- (3) 60,855 sq. ft. 8-in. asph. concrete paving;
- (4) 861 ft. 12-in. plain conc. pipe;
- (5) 401 ft. 6-in. vitrified pipe;
- (6) 2 manholes;
- (7) 6 reinf. concrete catchbasins;
- (8) 106 cu. yds. reinf. conc. in retaining wall;
- (9) 458 ft. timber guard rail;
- (10) all other work.

Howard S. McCurdy, city engineer.

The total bids were:
 (A) G. G. Fisher Equip. Co., \$17,869.
 (B) L. A. Paving Co., \$18,599.33.
 The unit bids were:

	(A)	(B)
(1)	\$.412	\$.50
(2) .....	.284	.26
(3) .....	.189	.19
(4) .....	.825	1.10
(5) .....	.62	1.00
(6)	67.00	80.00
(7)	44.25	26.00
(8)	18.50	18.00
(9) .....	.86	1.00

SANTA ANA, Orange Co., Calif.—Kovacevich & Price, Inc., 5400 Imperial Highway, Lynwood, awarded contract by city council at \$29,442 to improve 17th St. bet. Ross and Main Sts. and portions of other streets, involving in the main:

42,525.93 sq. ft. 6-in. concrete paving, including grading;
 38,455.85 sq. ft. subgrade for asphalt concrete pavement;
 12,677 tons asphalt concrete paving;
 1013.23 tons asphalt concrete top.

REDDING, Shasta Co., Cal.—Meeting will be held in Redding Jan. 16 for final organization of the proposed joint highway district in Trinity and Shasta counties to be known as Joint Highway District No. 21, seeking construction of an approach road to Lassen Park from the Pacific Highway near Redding to Viola, which project will include the Shingletown-Viola Rd. now being graded by Shasta County.

BERKELEY, Alameda Co., Calif.—Central California Roads Co., 2779 Poplar St., Oakland, at \$138,875 awarded contract by city council to improve Spruce St. from Rose St. to Northeast city limits, Oxford St. from West extension to Hearst Ave. east of Oxford St. north to Rose St. and Rose St. from north extension to Shattuck Ave. to Spruce St., involving in the main: 466,200 sq. ft. grading;
 489,200 sq. ft. rock cushion, 4-in. thick; curb and gutters;
 sewers, 6-in. to 24-in. dia.

Complete bids published in Issue of November 25.

SAN FRANCISCO.—Until Dec. 30, bids will be received by S. J. Hester, secretary, Board of Public Works, to improve Felton Street between Colby and Dartmouth Sts. for the San Francisco Water Department.

Deposit of \$10 required for specifications. Certified check of 10% required with bid.

MERCED COUNTY, Cal.—Until Jan. 13, 2 P. M., bids will be received by State Highway Commission to grade between one mile east of San Joaquin river and easterly boundary about 1 mile in length, to be graded and paved with Portland cement concrete; about 3.5 miles of levee to be constructed. Quantities to be published in the next issue.

COCONINO COUNTY, Ariz.—Utah Construction Co., 1 Montgomery St., San Francisco, awarded contract by U. S. Bureau of Public Roads, Phoenix, Ariz., for grading and structures on Section E. Route 7, Oak Creek National Forest Highway, Coconino National Forest, a length of 6.322 miles.

CALIFORNIA.—Triangle Rock and Gravel Co., San Bernardino, at \$39,289 awarded contract by U. S. Bureau of Public Roads, to place crushed rock base on Oakhurst Highway and Wawona Road, Yosemite and Sierra National parks.

OAKLAND, Alameda Co., Cal.—W. H. Larson, 2805 Parker St., Berkeley, at \$4880 submitted low bid to East Bay

Municipal Utility District to furnish material and do all necessary work to repair approximately 20,000 sq. ft. of bituminous surfacing of street pavements. Complete bids follow:
 (A) W. H. Larson, Berkeley.....\$4880
 (B) Hutchinson Co., Oakland.....5800
 (C) Independent Const. Co., Oakland.....7100

SAN FRANCISCO.—Until Dec. 30, bids will be received by S. J. Hester, secretary, Board of Public Works, to improve Felton St. between Colby and Dartmouth Sts. for the San Francisco Water Dept. Following quantities involved:

- (1) 300 feet curb;
- (2) 1 brick catchbasin;
- (3) 25 ft. 10-in. V.C.P. culverts;
- (4) 6000 sq. ft. asph. conc. pave.

Certified check of 10% required with bid. Deposit of \$10 required for plans and specifications.

LOS ANGELES, Cal.—Plans for the construction of levee and Gunite protection work on Pacoima Wash, between Arleta St. and San Fernando Road were adopted by Los Angeles County supervisors, Dec. 21. E. C. Eaton, Flood Control Engineer, 202 N. Broadway.

The items upon which bids will be asked are:

- (1) 66,500 cu. yds. excav.;
- (2) 186,000 sq. ft. Gunite facing slab;
- (3) 207,000 sq. ft. manufacturing and placing pre-cast mattress;
- (4) 9900 sq. ft. concrete paving slab. Laurel Canyon Blvd.;
- (5) 30 cu. yds. class B concrete cut-off walls and curtain walls;
- (6) 5 cu. yds. class C miscellaneous reinf. concrete structures;
- (7) 100 cu. yds. rockfill, Laurel Canyon Blvd.;
- (8) 10,900 lbs. placing metal drainage culverts and gate complete;
- (9) Clearing right of way of all debris.

Bids will be called at once.

MERCED, Merced Co., Calif.—As previously reported, until Jan. 13, 2 P. M., bids will be received by C. H. Purcell, State Highway Engineer, Public Works Bldg., Sacramento, to grade and pave with Portland cement concrete about one mile and construct about 3.5 miles of levee, involving:

- (1) 2,750 cu. yds. rdwy. excav. without class.;
- (2) 1,500 cu. yds. imported borrow;
- (3) 20,000 cu. yds. excav. (levee);
- (4) 16 cu. yds. struc. excav.;
- (5) 1,600 sq. yds. subgrade for pave.;
- (6) 335 cu. yds. Class A Portland cement concrete (pave.);
- (7) 9,200 lbs. bar reinf. steel (pave.);
- (8) 38 lin. ft. 18-in. corr. metal pipe;
- (9) 235 cu. yds. bit. mac. and conc. removed from existing pave. and disposed of;
- (10) 5.5 miles existing property fences moved and reset;
- (11) 8 gates.
- (12) 8 sta. finish roadway;
- (13) 19 monuments complete in place.

The State will furnish corrugated metal pipe and flood gates as more explicitly set forth in the special provisions.

The astonishing growth in the popularity of golf throughout America has been manifest in Canada no less than in the United States.

Canada's national parks have been withdrawn from exploitation and are being preserved in their virgin beauty and wildness, for purposes of pleasure and recreation.

Canada presents an interesting field historically to visitors from the United States.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
1270	Dall	Owner	7000
1271	Brehm	Owner	2500
1272	Struthers	Owner	3000
1273	Povey	Franceschi	9000
1274	Golden	Hantzche	1850
1275	Breed	Armbrust	3500
1276	Liebman	Owner	10000
1277	Stiavelli	Norberg	6000

DWELLINGS

(1270) SW SENECA AVE. 113 SE Huron Ave.; two 1-story and basement frame dwellings.

Owner—J. Dall, 938 Geneva Ave.
Plans by Owner. each \$3500

DWELLING

(1271) 1493 SHOTWELL ST.; one-story and basement frame dwelling.

Owner—P. Brehm, 28 Aztec.
Plans by Owner. \$2500

DWELLING

(1272) W ELIZABETH 255 E Diamond; 1-story and basement frame dwelling.

Owner—M. Struthers, 1887 San Jose Avenue.
Plans by Owner. \$3000

FLATS

(1273) N JEFFERSON 160 W Webster; 2-story and basement frame (2) flats.

Owner—J. Povey, 2157 Lombard St.
Architect—Richard Irvine, Call Bldg.
Contractor—L. Franceschi. \$9000

REPAIRS

(1274) 1547 21st AVE.; repair fire damage to dwelling.

Owner—L. Golden, 1352 Irving St.
Architect—Not Given.
Contractor—G. M. Hantzche, 455 32nd Avenue. \$1850

DWELLING

(1275) N ALTON 192 W Castenada; one-story and basement frame dwelling.

Owner—F. E. Breed.
Architect—G. M. Cantrell.
Contractor—H. W. Armbrust, 2472 28th Avenue. \$3500

FLATS

(1276) N RETIRO 130 SW Fillmore; two 2-story and basement frame (2) flats.

Owner—P. Liebman, 3675 Fillmore St.
Architect—F. Quandt, 2800 Filbert St.
each \$5000

FLATS

(1277) N 21st 25 W Collingwood; one-story and basement frame (two) flats.

Owner—H. Stiavelli, 250 21st Ave.
Plans by contractor.
Contractor—B. Norberg, 832 Marvell Ave., Burlingame. \$6000

BUILDING CONTRACTS

San Francisco County

No.	Owner	Contractor	Amt.
290	Pentrier	Doelger	4500
295	Calabrese	Di Grazia	3800

BUILDING

(295) E GATES 75 N Tompkins Ave. 25x70; all work on one-story and basement frame building.

Owner—D. Calabrese.
Architect—Not Given.
Contractor—J. Di Grazia, 1441 Broadway.

Filed Dec. 24, '31. Dated Dec. 7, '31.

Roof finished	\$950
Rough plastered	950
Accepted	950
Usual 35 days	950
TOTAL COST, \$3800	

Limit, 60 days.

COMPLETION NOTICES

San Francisco County

Recorded Accepted

Dec 28, 1931—S BAY ST 75 W Octavia 25x75. Risdon Bros to whom it may concern. December 28, 1931
Dec 28, 1931—SW SAN BRUNO AVE 175 SE Mansell SE 25-5 1/4 SW 115-4 NW 25 NE 118 m or 1 ptn blk 23 Paul Tract Hd. Bernard Plummer to Walter Burrows. Dec 28, 1931
Dec 28, 1931—S BAY ST 50 W Octavia 25x75. Risdon Bros to whom it may concern. December 28, 1931

Dec 28, 1931—W 26th AVE 100 South Kirkham S 50 x 120. Herman Christensen to whom it may concern. December 28, 1931

Dec 28, 1931—SW VINCENT AND 16th Avenue W 32-6 x S 100. Marshall T Struthers to whom it may concern. Dec 28, 1931

Dec 28, 1931—NO. 6027 GEARY ST. Pat Melia to Jas P Fletcher. December 22, 1931

Dec 28, 1931—ALL THAT PTN BLK 2464-A Map Pinelake Park, desc'd: S Vicente N 86° 50' E 443 from W terminus of the course N 86° 40' E 533.247, which forms the N bdy line of said Blk 2462 A S 32 E 107.119 to NW 31st Ave NE 6.201 to S terminus of curve with radius of 20 ft. which forms NE curved cor. of sd Blk 2464A NE and NW 37.608 W 90.247 to beg. Henry and Hazel Stoneson to Stoneson Bros and Thorinson. Dec. 23, 1931

Dec 24, 1931—E 31st AVE 100 North Judah ST 25x120. Arthur and G H Johnson to whom it may concern. December 24, 1931

Dec 24, 1931—E 31st AVE 125 N Judah ST 25x120. Arthur and G H Johnson to whom it may concern. December 24, 1931

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - California

Johnson to whom it may concern December 24, 1931

Dec. 24, 1931—NO. 734 JUNE ST. C A Bernhard to F C Calabahan December 19, 1931

Dec. 23, 1931—N DAKEN WAY 185 E San Benito Way 40x110. S R Andersen to whom it may concern. Dec. 22, 1931

Dec. 23, 1931—LOT 10 BLK 2945-A Sub No. 5, Miraloma Park. Meyer Ipos to whom it may concern. December 17, 1931

Dec. 23, 1931—LOT 23 BLK 2947 Claremont Court. Carl L and Louise A Micheletti to Morris & Weiner. Dec. 21, 1931

Dec. 23, 1931—W TWENTY-SIXTH Ave 25 N Moraga N 25xW 95. Marion Realty Co., Ltd to whom it may concern. Dec. 22, 1931

Dec. 23, 1931—LOTS 25 AND 26 and ptn Lot 27 Blk 2961-A Sub No. 4 Miraloma Park, as follows: SE Rochdale Drive and SW Lot 25 NE 91.96 E 100.748 SW 99.993 Meyer Bros to whom it may concern. Dec. 17, 1931

Dec. 23, 1931—S BEACH ST. 180 W Webster W 75xS 137-6. M P and Hannah Jorgensen to whom it may concern. Dec. 23, 1931

Dec. 23, 1931—E BRYANT ST. 110 S Twenty-second 25x100. Milton F Mitchell to whom it may concern. December 23, 1931

Dec. 23, 1931—W CARRILLO 95 E 30th Ave. G R Johnson to whom it may concern. Dec. 22, 1931

Dec. 23, 1931—NW MISSION 55-79 SW Niagara Ave NW 103-35 SW 25 SE 110 NE 25-77 ptn Lot 11 Blk 3 West End Map No 1. R Arancia to C Lindberg. December 22, 1931

Dec 23, 1931—BUSH ST and Treasury Place. Mills Estate, Inc to Lindgren & Swinerton, Inc. December 14, 1931

Dec 22, 1931—W NAPLES 75 North Brazil Ave. Carlo Bernicchi to E Malaspina. December 21, 1931

Dec 22, 1931—S ULLOA 95 E 32nd Ave E 25 x S 100; E 32nd Ave 25, 50, and 75 S Ulloa S 25 x E 95 (4 completions). A J and Mary A Herzog to whom it may concern. December 22, 1931

Dec 22, 1931—W 17th Ave 250 and 275 S Lawton S 25 x W 120 (two completions). Michael D and Mary A Hardiman to whom it may concern. December 22, 1931

Dec 22, 1931—S 24th 100 W Florida W 27 x S 104. Joseph Leary to P J Phelan. December 24, 1931

Dec 22, 1931—W 23rd Ave 60 N Vicente N 25 x W 120 OL 1196. G R Vertner to Jesse Horn. December 22, 1931

Dec 22, 1931—LOTS 1, 2, 3 BLK 4292 Lots 1 and 2 Blk 4293 Lots 1 and 2 Blk 4295 Lots 1, 9 and 9 Blk 4315 Lot 1 Blk 4316 Lots 2, 5, 9 and 10 Blk 4317 Lot 1 Blk 4318 Lots 1B and 2 Blk 4343 Lots 1, 2, 6, 12, 14 and 15 Blk 4347 Lots 8 and 10 Blk 4349 Lot 1 Blk 4351 Lots 1, 2, 3, 4, and 5 Blk 4352 Lots 1, 2, and 4 Blk 4353 Lots 1, 2, 3, and 5 Blk 4354 Lots 1 and 2 Blk 4355 Lot 1 Blk 4373 Lots 1, 4 and 6 Blk 4379 Lots 2, 3, 5, 6 and 8 Blk 4380 Lots 1, 2, and 2 Blk 4381 Lot 3 Blk 4347 and Lot 1 Blk 4349 all of said lots and blocks on Assessor's map and the following ptns of streets filled: Tennessee

- St. Minnesota St, Indiana St, Iowa St, 26th St, Main St, Missouri St, Texas St and Connecticut St. The Western Pacific Railroad Co to Meyer Rosenberg. December 15, 1931
- Dec 22, 1931—N SACRAMENTO 137-6 E Franklin E 44 x N 127-84. John Rosenfeld's Sons to Theodore Cohn. December 21, 1931
- Dec 21, 1931—LOT 10 BLK 248 A map Pinelake Fk Su No 1. Carlton V and Carrie M Lane to whom it may concern. December 13, 1931
- Dec 21, 1931—SW LAMARTINE 150 NW Cayuga Ave. Wm E and J G Grosman to whom it may concern. December 21, 1931
- Dec 21, 1931—SW ONEIDA AVE 106-382 SE San Jose Ave 347 Oneida S W Oneida Ave 132-882 SE San Jose Ave, 341 Oneida Ave. Theodore J Sullivan to whom it may concern. December 21, 1931
- Dec 21, 1931—W HARVARD 125 N Silliman 25x100. James and Mary P Keeley to N P Nelson. December 21, 1931
- Dec 19, 1931—E SCOTT 125 N Lombard N 25 x E 110 WA 415. M Gross to H O Linderman Ltd. December 17, 1931
- Dec 19, 1931—NW SALA TERRACE and Ellington, No 2 Sala Terrace. Alfred H Ohlsen to whom it may concern. December 19, 1931
- Dec 19, 1931—NE CHESTNUT AND Pierce E 59-285 x N 75. Harry J Oser to Schultz Const Co. December 19, 1931
- Dec 19, 1931—W 33rd AVE 125 N Lawton N 50 x W 120 OL 801. Whitney Inv Co, Ltd to Marian Realty Co, Ltd. Dec 19, 1931
- Dec 19, 1931—E 21st AVE 125 North Noriega N 25 x E 120 OL 880. Helen B and Leonard Grant to Henry Doelger. November 14, 1931
- Dec 18, 1931—N Cabrillo 90 W 31st W 55 x N 100. Bryan Feerick to whom it may concern. December 18, 1931
- Dec 18, 1931—SW GEARY and Mason W 40 x S 100 50 vb 196. Marquard Catering Co to Home Mfg Co. December 8, 1931
- Dec 17, 1931—SW PARADISE AVE 189-94 SE Elk SE 31-36 S 41 deg 37 min 04 sec W 100-61 NE line Blk Q 2nd Addn to Glen Park Terrace N 61 deg 11 min 56 sec W 16-67 N 32 deg 17 min 14 sec E 105-25 to beg. Fred Slepniokoff to whom it may concern. December 17, 1931
- Dec 17, 1931—628 CENTRAL AVE. N A von Schmidt to J D Wood-sid. November 19, 1931
- Dec 17, 1931—S TARAVAL 82-6 W 151e Ave 25x100. A M Tadwich to James P Fletcher. December 8, 1931
- Dec 17, 1931—PTNS LOTS 12 and 13 Blk 25 St Francis Wood Exten No 2 desc'd: W boundary line San Pablo Ave dist N 17-56 from pt inter of W byd line San Pablo Ave with dividing line bet lots 12 and 13 Blk 25 S 31 deg 15 min 48 sec W 14-49 S 03 deg 57 min E 17-72 S 31 deg 33 min 32 sec E 24-20 N 80 deg 58 min 48 sec E 95 N 40 to beg. Mable Ahrens to Wm Martin. December 10, 1931
- Dec 17, 1931—N SANTIAGO 57-6 E 22nd Ave E 25x100. F M Stich to whom it may concern. Dec 16, 1931
- Dec 17, 1931—271 to 381 and 383 to 391A San Jose Ave. D Herzberg & Son to T J Martin. Dec 15, 1931
- Dec 17, 1931—SW PARADISE AVE 156-61 SE Elk SE 33-33 S 32 deg 17 min 14 sec W 175-25 to NE line Blk Q 2nd Addn to Glen Park Terrace N 70 deg 35 min 56 sec W 8-22 N 19 deg 24 min 04 sec E 110-16. Fred Slepniokoff to whom it may concern. December 17, 1931
- Dec 17, 1931—S ULLOA 32-6 E 15th Ave 25x100. John Robertson and A Lelleas. December 17, 1931
- Dec 16, 1931—MISSION and Bay Sts Shops. Southern Pacific Co to J N J Firebrick Const Co (rebrickng 3 boilers in railroad's boiler plant). December 14, 1931
- Dec 10, 1931—SW FILLMORE and Hayes 25x107. W Moskowitz to F Mannix. December 10, 1931
- Dec 10, 1931—W 40th AVE 225 South Lawton S 25 x W 120 OL 825. Paul and Della Fresly to whom it may concern. December 9, 1931
- Dec 10, 1931—W 32nd AVE 300 South Quintara S 25 x W 120. Henry Doelger to whom it may concern. December 8, 1931
- Dec 10, 1931—E 40th AVE 225 South Taraval S 25 x E 120. Henry Doelger to whom it may concern. December 7, 1931
- Dec 9, 1931—NE HOLYOKE 50 SE Burrows SE 25 x NE 70 ptn blk 30 University Md Survey and Mrs H Westlund to whom it may concern. December 1, 1931
- Dec 9, 1931—S SANTIAGO 31-10 1/2 W 14th Ave W 31-10 1/2 x S 100. Duncan B MacDonald to whom it may concern. December 7, 1931
- Dec 9, 1931—SE VIENNA 700 NE Peru Ave NE 25 x SE 100 Blk 68 Silver Heights. Henry Schwarz and Albert Nickles to whom it may concern. December 5, 1931
- Dec 9, 1931—LAND bounded by Turk St, Parker Ave and Rose St on line part to Parker Ave extending from Turk to Rose St approx 1200 ft E of Parker Ave. San Francisco College of Women, conducted by the Religious of the Sacred Heart to Meyer Rosenberg. Dec 7, 1931
- Dec 9, 1931—W 17th AVE 100 North Ortega. Clarence A and Murtes Ahern to Henry Erickson. December 4, 1931
- Dec 9, 1931—E 31st AVE 100 N Fulton. Sam Blaustein to whom it may concern. December 8, 1931
- Dec 9, 1931—W 33rd AVE 375 S Kirkham S 50 x W 120 OL 801 W 33rd AVE 275 S Kirkham S 25 x W 120 OL 801 W 33rd AVE 325 South Kirkham S 25 x W 120 OL 801. Whitney Inv Co Ltd to Marian Realty Co Ltd. December 8, 1931
- Dec 9, 1931—E CORA 172-6 S Visitation Ave 34x6x106. Harry and Rose Apts to whom it may concern. December 9, 1931
- Dec 15, 1931—W VILLAMAR AVE 150 yards N Sea Cliff Ave NE of and adj to lot No 1 known as No 1 Villamar Ave. V H Podstata to Strehlow & La Voie. Dec 12, 1931
- Dec 15, 1931—SW 16th AVE AND Ulloa 25x107-6. Eva G Husted to G J Elkington & Sons. Dec 15, 1931
- Dec 15, 1931—W 2nd AVE 118 N Noriega N 25 x W 120 OL 882. Ida J Bluett to H H Isaac. December 15, 1931
- Dec 15, 1931—N HAIGHT 152-6 W Ashbury W 25 x N 137-6. Mildred M Livingston and H B Livingston to Young & Horstmeier. December 15, 1931
- Dec 15, 1931—SE NEWHALL 25 SW Innes Ave SW 25 SE 100 Blk 184 Central Park Hd Assn. John and Mary Leary to Bay View Realty Co. December 15, 1931
- Dec 15, 1931—SAN FRANCISCO Campus of the University of California. The Regents of the University of California to Charles A Langlais (to install electric equipment for distribution system). December 15, 1931
- Dec 15, 1931—LOT 14 and S 5 ft lot 15 blk 3277 map Mt Davidson Manor. Niles E Johnson to whom it may concern. December 14, 1931
- Dec 11, 1931—THIRD & CHANNEL Sts. Southern Pacific Co to S F Elevator Company Inc (repairs to elevators in Grocers' Terminal Bldg). December 8, 1931
- Dec 11, 1931—W SEVENTEENTH AVE 125 S Vicente S 25x120; W 17th Ave 150 S Vicente S 25x140. S F Johnson to whom it may concern. December 11, 1931
- Dec 11, 1931—N KIRKHAM 82-6 W 25th Ave 25x100. Ray Allison and John N Beck to whom it may concern. Dec 11, 1931
- Dec 11, 1931—E THIRTY-FOURTH Ave 200 N Kirkham 25x120. David Moses to F C Fisher. Dec 11, 1931
- Dec 11, 1931—N CHESTNUT 59-285 E Pierce E 27xN 75. Harry J Oser to Schultz Const Co. December 8, 1931
- Dec 11, 1931—N CHESTNUT 86-285 E Pierce E 33 N 90 W 25 S 15 W 8 S 75. Harry J Oser to Schultz Const Co. Dec. 8, 1931
- Dec 10, 1931—S ULLOA about 155 W Granville Way. Chas Anderson to whom it may concern. December 10, 1931
- Dec 14, 1931—W RHODE ISLAND—136-3 N 20th St. 25x100. Matthew H Fugina Jr and D Fugina to whom it may concern. Dec. 7, 1931
- Dec 14, 1931—E TWENTY-FIRST AVE 200 N Ortega N 25x E 120 OL 937. Carl and Fred Gellert to whom it may concern. December 15, 1931
- Dec 14, 1931—E FORTY-FIFTH AVE 225 N Kirkham N 25x E 120 OL 725. Carl and Fred Gellert to whom it may concern. Dec. 10, 1931
- Dec 14, 1931—N SENECA 40 W Knights Place 134 Seneca Ave; N Seneca Ave 93-4 W Knights Place 146 Seneca Ave N Seneca Ave 66-8 W Knights Place, 140 Seneca Ave. A M Samuelson to whom it may concern. December 12, 1931
- Dec 12, 1931—GOLDEN GATE PARK California Academy of Sciences Cahill Bros, Inc (for construction of East Wing of Museum of Calif. Academy of Sciences) to whom it may concern. Dec. 10, 1931
- Dec 12, 1931—S TWENTY-SIXTH 79-7 S 2 E Diamond 25x114. W W Sanders to whom it may concern. December 12, 1931
- Dec 12, 1931—E WISCONSIN 25 N 22nd running alig E Wisconsin to the 50 ft. line N of 22nd. Mary Hurley to whom it may concern. December 11, 1931
- Dec 11, 1931—N FELL 165 E Webster E 27-6xN 120 to L Linden. Eugene and Dolores Domene to Rosario De Luca & John De Luca (as De Luca & Son). Dec. 10, 1931

LIENS FILED

San Francisco County

Recorded	Amount
Dec 24, 1931—SE FOLSOM 412-6 SW 4th SW 137-6 x SE 165. Sibley Grading and Seaming Co, Ltd vs Lester G Loupe Co and Joe Green-back. \$220.50	
Dec 26, 1931—E VAN NESS AVE 47-84 N Washington E 123. W G Fabien vs W S and Virginia W Rogers, E Mainmarna and Sidonia Weiss. \$185	
Dec 23, 1931—W 33rd AVE 175 South Clement S 25 x W 120 OL 214. Morris Rubin vs Allen Stone and I M Sommer. \$30.00	
Dec 28, 1931—S SACRAMENTO ST. 137-6 W Octavia W 55 S 132-84 E 55 N 132-84. W A 196. Morris Rubin vs A. Abrams; J Abrams; F Bibb; G Bibb; M Harris; J Harris and A Harris and I M Sommer. \$155	
Dec 24, 1931—SW GEARY and Mason Sts W 100 x S 100. Art Tile & Mantle Co vs Home Mfg Co, Harry Marquard, Marquard Catering Co and Marquard Inv Co and Mary J E Cryan. \$565.35	

Dec 24, 1931—SW VIENNA 146-4 SW Silver Ave SW 25 x SE 100. Albert Cook vs Henry Schwarz and Albert Nickles.....\$304.50

Dec 24, 1931—E LAGUNA 100 South Waller St S 43 x E 82-4. L Demattiel vs Wm Van Herrick and H Van Herrick.....\$193.62

Dec 23, 1931—E LAGUNA 100 South Waller S 43 E 82-4 N 1-10 1/4 E 42-10 N 39-8 W 125 WA 214. Pacific Coast Steel Corp vs Wm Van Herrick.....\$1,116.90

Dec 22, 1931—E MONTGOMERY ST 77 N Washington N 30 E 127 to W Jessop Place S 27 W 37-9 S 3 W 59-3. Sibley Grading & Teaming Co, Ltd vs B Fagano and E Martinoni.....\$160.80

Dec 22, 1931—SW 35 ft LOT 8 BLK 2988A Map West Portal Park. O Fantozzi as Star Concrete Co vs Martin Stelling Jr, Edgar L Gould, V Filippis and National Surety Co.....\$459.97

Dec 22, 1931—SE MISSION ST 240 NE Virginia Ave NE 25 x SE 132-6 J D Woodside & 475. Martin Welch as Cortland Sheet Metal Works, \$100, vs Theresia Steinauer and R A Warring.....\$459.97

Dec 21, 1931—SE VIENNA 700 NE Peru Ave NE 25 x SE 100 ptn blk 68 Excel Hd Assn. Thomson, Inc vs Henry Schwarz and Albert Nickles.....\$310.15

Dec 21, 1931—E 22nd AVE 93 South Noriega S 25 x E 120. Antonio Filippi as W H Gnecco & Co vs Gust Jelm and Geo R Norment.....\$42

Dec 21, 1931—NW NAPLES 275 SW Avalon Ave SW 25 x NW 100, ptn blk 48 Excel Hd Assn. Antonio Filippi as W H Gnecco & Co vs Strom & Smith and Gust Jelm.....\$47

Dec 21, 1931—SE VIENNA 146-4 SW Silver Ave SW 25 x SE 100. Arc Electric Co vs Henry Schwarz and Albert Nickles.....\$47.50

Dec 19, 1931—NW NAPLES 275 SW Avalon Ave SW 25 x NW 100 Blk 48 Excel Hd Assn. Const Device Co vs Gust Jelm.....\$15.50

Dec 19, 1931—SE VIENNA 650 NE Peru Ave 25 x 100 ptn blk 68 Excel Hd Assn. Pan-American Lumber Co vs Paint Co Ltd vs Henry Schwarz and Albert Nickles.....\$128.45

Dec 18, 1931—NW NAPLES 275 SW Avalon Ave SW 25 x NW 100. Blk 48 Excel Hd Assn. Chas R McCormick Lumber Co vs Gust Jelm.....\$411.14

Dec 18, 1931—NW NAPLES 275 SW Avalon Ave SW 25 x NW 100. Albert Cook vs California Pacific Title & Trust Co and Gust Jelm.....\$187.90

Dec 18, 1931—N CALIFORNIA 101-1 E Pierce E 27-8 x N 120 to South Perine Place WA 390. A E and E Engdahl as Engdahl Bros vs Hannah, Rosie and John Henry.....\$72.95

Dec 18, 1931—SE NEWHA 125 SW Innes Ave SW 25 x SE 100 ptn blk 184 Central Park Hd Assn. Eduardo Crespiello vs John and Mary Leary, Anthony R Sanchez.....\$187.62

Dec 18, 1931—SE VIENNA 650 NE Peru Ave NE 25 x SE 100 ptn blk 68 Excel Hd Assn. H S Thomson, Inc, \$248.65; J H McCallum, \$350.15; vs Henry Schwarz and Albert Nickles.....\$187.62

Dec 18, 1931—NW NAPLES 275 SW Avalon Ave. Dave C Milligan vs Gust Jelm and California Pacific Title & Trust Co.....\$80.00

Dec 18, 1931—NW NAPLES 275 SW Avalon Ave SW 25 x NW 100 Blk 48 Excel Hd Assn. D O'Connor and Jas T O'Connor as D O'Connor & Son, \$230.64; D F Donovan, \$250. M Blengina and F Messimino as New Mission Hardwood Floor Co, \$150, vs Gust Jelm.....\$187.62

Dec 18, 1931—NW NAPLES 275 SW

Avalon Ave SW 25xNW 100. New Mission Sheet Metal Co, \$135; S F Glass Co, \$35.10; Albert Nickles, \$50; Warden Bros, \$490; Lee Hardware Co, \$175; Sands Water Heater Co, \$33.75 vs Gust Jelm.....\$187.62

Dec 17, 1931—NW NAPLES 275 SW Avalon Ave SW 25 x NW 100. W E Trousdale vs California Pacific Title and Trust Co and Gust Jelm.....\$315.00

Dec 17, 1931—NW NAPLES 275 SW Avalon Ave SW 25 x NW 100 Blk 48 Excel Hd Assn. Spring Valley Lumber Yard vs Gust Jelm.....\$110.13

Dec 16, 1931—SW GEARY AND Mason Sts. Sibley Grading & Teaming Co, Ltd vs Home Manufacturing Co; Harry Marquard; Marquard Catering Co; Marquard Investment Co and Mary J E Cryan.....\$15.05

Dec 16, 1931—SW GEARY AND Mason S 100 x W 40. Herman Castler vs Mary J E Cryan and Harry A Marquard and Marquard's Inv Co and Home Mfg Co, Inc.....\$104

Dec 8, 1931—E LAGUNA ST 100 S Waller S 43 E 82-4 N 1-10 1/4 E 42-10 m or 1 N 39-8 W 125. James Cantley vs Wm and Hermina Van Herrick.....\$125.00

Dec 8, 1931—E LAGUNA ST 100 S Waller S 43 x E 132-4. Sudden Lr Co vs Wm Van Herrick.....\$753.27

Dec 9, 1931—SW GEARY AND Mason Sts. M T Hoaglund and Fred Skuse vs Home Mfg Co, Harry Marquard and Marquard Catering Company.....\$33.00

Dec 9, 1931—E 22nd AVE 93 South Noriega S 25 x E 120. Chas R McCormick Lumber Co vs Gust Jelm and Geo R Norment.....\$395.19

Dec 9, 1931—SW LANE 75 NE Quesada Ave NE 25 x SE 75 ptn blk 328 South San Francisco H D and R R Assn. Eduardo Crespiello vs Anthony R Sanchez.....\$146.25

Dec 8, 1931—NW RHINE 50 SW Flouray extending SW 25 x NW 100. W B Jefferson as The Greater City Lumber Co vs Margaret Laird and James Gilardi.....\$32.85

Dec 9, 1931—E LAGUNA 100 South Waller S 43 x E 82-4. Aetna Elec Co vs William and Hermina Van Herrick.....\$270.00

Dec 15, 1931—NW NAPLES 275 SW Avalon Ave SW 25 x NW 100 blk 48 Excel Hd Assn. Strom Smith vs Gust Jelm.....\$107.50

Dec 14, 1931—E LAGUNA 100 S Waller S 43 to pt dist N 132 from N Herman E 82-4 N 1-10 1/4 to inter of line drawn E from pt on E Laguna dist S thereon 144 from S Waller to pt which is dist 139-8 from S Waller makes at right angle thereto and 125 E Laguna E 42-10 m or 1 to E extremity thereon N 39-8 W 125 WA 214. Golden Gate Atlas Materials Co vs Wm Van Herrick.....\$501.28

Dec 14, 1931—S NORIEGA 93 E 22nd Ave E 25xS 120. A Filippi (as M H Gnecco & Co) vs Gust Jelm and Geo R Norment.....\$42

Dec 19, 1931—2270 or 249 NW Istano Way at pt dist SW 255-247 from W Fillmore SW 25 N 35 deg 30 min 14 sec W 32 N 19 deg 50 min 14 sec W 35-355 SE 177 to beg ptn Marina Gardens, W E Trousdale to Paul R Frugoli.....\$490

Dec 17, 1931—2263 OR 3758 California 85 W Parker Ave S 87-63 m or 1 to pt which is dist 626-9 N Euclid Ave E 37 N to S California W 38 m or 1 E Fontanini & Co to C D Kinney and J Weisslein.....\$490

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Am't.
1694	McSwain	Owner	1009
1695	East Bay	Griffith	4000
1696	East Bay	Griffith	4000
1697	Maurer	Tollefsen	3800
1698	Calders	Rose	1135
1699	Foster	Owner	6897

RESIDENCE

(1694) NO. 1405 ARCH ST. **BERKELEY.** One-story 3-room 1-family frame residence. Owner—A. A. McSwain, 1409 Arch St., Berkeley. Architect—Not Given. \$1000

DWELLING

(1695) 6139 BUENA VENTURA AVE., **OAKLAND.** 1-story 6-room dwelling. Owner—East Bay Const. Co., 3817 San Pablo Ave., Oakland. Architect—Not Given. Contractor—C. W. Griffith, 1427 87th Ave., Oakland. \$4000

DWELLING

(1696) 6132 BUENA VENTURA AVE., **OAKLAND.** 1-story 6-room dwelling. Owner—East Bay Const. Co., 3817 San Pablo Ave., Oakland. Architect—Not Given. Contractor—C. W. Griffith, 1427 87th Ave., Oakland. \$4000

DWELLING

(1697) 1366-68 61st AVENUE, **OAKLAND.** one-story 7-room 2-family dwelling. Owner—Marie Maurer. Architect—Not Given. Contractor—C. Tollefsen, 2034 Tenth Ave., Oakland. \$3800

REPAIRS

(1698) 359 49th STREET, **OAKLAND;** fire repairs. Owner—Jos. Calders, 349 49th Street, Oakland. Architect—Not Given. Contractor—A. H. Rose, 478 25th St., Oakland. \$1135

ALTERATIONS

(1699) 467-469 14th ST., **OAKLAND;** alterations. Owner & Builder—Foster Lunch System, 986 Mission St., San Francisco. Architect—Not Given. \$6897

RELEASE OF LIENS

San Francisco County

Recorded	Amount
Dec. 14, 1931—N BUSH 137-6 E Jones E 55xN 137-6 50 V B 220. J S and S I Guerin (as J S Guerin Co) to Board of Trustees of the Glide Foundation (credit on lien).....\$127.50	
Dec 9, 1931—OR fix etc, 741 Diamond St, Rose Giorgi to Mario Giorgi.....\$127.50	
Dec 9, 1931—NW RETIRO WAY 255-247 SW from W Fillmore S 25 N 92 N 35-355 SE 117. Holmes Lime & Cement Co to John Dean, Milton Decker and Paul R Frugoli.....\$42	

COMPLETION NOTICES

Alameda County

Recorded	Accepted
Dec 22, 1931—3609 REDDING Street, Oakland. Superior Tile & Products Co vs John and Ida Jones.....\$86	
Dec 22, 1931—793 CRAGMONT AVE., Berkeley. Superior Tile & Products Co vs Gust Jelm.....\$183.10	
Dec 23, 1931—LOT 38 BLK 17, North Cragmont, Berkeley. Geo W Stewart to Conner & Conner.....Dec 22, 1931	
Dec 23, 1931—LOT 3 BLK 5, Thous-	

and Oaks Height, Berkeley. Gertrude M Woodson to S M Shapiro December 18, 1931

Dec. 23, 1931—PTN LOT 39, Ardmore, San Leandro. Alvina Ketscher to whom it may concern..... December 21, 1931

Dec. 23, 1931—FIRST ST. (State Theatre), Livermore. L Schenone to S Bothwell & Son Dec. 23, 1931

Dec. 23, 1931—SW GROVE AND Stewart Sts., Berkeley. Emma and Daniel Machado to whom it may concern..... Dec. 22, 1931

Dec. 23, 1931—S VIRGINIA 160 W Grant St., Berkeley. Theodore J and Harriet M Miller to John O Weston Dec. 21, 1931

Dec. 22, 1931—HILGARD HALL, Campus of University of Calif., Berkeley. The Regents of the University of Calif to Carrier Engineering Corp, Ltd..... Dec. 15, 1931

Dec. 22, 1931—SE 44 ft LOT 5 BLK A Glenwood, Oakland. Adolph C and Hazel Meyer to C W Leekins..... December 21, 1931

Dec. 22, 1931—3930 LYMAN ROAD, Oakland. George R Morrison to John Lehman..... December 16, 1931

Dec. 21, 1931—LOT 156, Broadmoor Park, San Leandro. G C and F E Warn to whom it may concern..... December 16, 1931

Dec. 18, 1931—DUBLIN CANYON State Highway bet. Dublin and Hayward. Dept. of Public Works, Division of Highways, State of Calif to Lester Hingsberger..... December 15, 1931

Dec. 17, 1931—CAMPUS OF THE University of California. Regents of the University of Calif to Sneed & Co..... Dec. 14, 1931

Dec. 17, 1931—NO. 1927 E 15TH AVE Oakland. James B Grubb to whom it may concern..... Dec. 15, 1931

Dec. 17, 1931—NE ENCINAL AVE 183 ft. SE Grand St., Alameda. John G. Vollmar to B F Woolley..... December 16, 1931

Dec. 16, 1931—NO. 1041 SAN PABLO AVE., Albany. C J Buestad to C J Buestad..... Dec. 15, 1931

Dec. 16, 1931—NW BROADWAY 140 ft NE of 20th St, Oakland. Broadway & Twentieth Properties, Inc to George Wagner..... Dec. 15, 1931

Dec. 15, 1931—FIRST & MARKET Sts., Oakland. Howard Terminal Corp. to Albertson-McCormick, Sprinkler Co., Ltd..... Dec. 12, 1931

Dec. 14, 1931—NO. 641 PALOMA AVE., Oakland. W A Netherby to whom it may concern..... Dec. 11, 1931

Dec. 11, 1931—PTN LOT 15 BLK 7, Elwood T and Helen E Starbuck to T D Courtright..... Dec. 7, 1931

Dec. 12, 1931—2314 HAVENSCOURT Blvd, Oakland. F W Conlogue to whom it may concern..... Dec. 5, 1931

Dec. 12, 1931—400 LINCOLN AVE., Alameda. G W Coupe to F R Haulman..... December 11, 1931

Dec. 11, 1931—NO. 2426 PIERSON ST., Oakland. August Roseberg to August Roseberg..... Dec. 4, 1931

Dec. 11, 1931—LOT 3 BLK F, Estudillo Estates, San Leandro. Charles W and Ada J Griffith to whom it may concern..... Dec. 10, 1931

Dec. 11, 1931—SIXTY-FIRST AND 63rd Sts., Emeryville; 20th and Broadway, Oakland. Southern Pacific Co to Hutchinson Co..... December 5, 1931

Dec. 11, 1931—OAKLAND PIER. Cedar St., bet. Shorey and First Sts., Oakland. Southern Pacific Co to Hutchinson Co..... Dec. 5, 1931

Dec. 11, 1931—LOT 7 BLK 8, North Cragmont, Berkeley. James W and Cora L Walker to G A Pierson..... December 1, 1931

Dec. 11, 1931—SE EUCLID AVE & Hawthorne Terrace, Berkeley.

Jessie-Lee F Decker to J Dawson..... December 5, 1931

Dec. 11, 1931—NO. 6131 ROCK-ridge Boulevard, Oakland. Joseph Gauzza to John Fleming..... December 9, 1931

Dec. 10, 1931—STATE HIGHWAY, bet. Easterly boundary and Greenview. Department of Public Works State of Calif. to Standard Road Planning Co..... Dec. 8, 1931

Dec. 10, 1931—LOT 12, Farber Belrose Tract, Oakland. Winnifred Lee to Theo H Lapham..... Dec. 5, 1931

Dec. 10, 1931—NO. 821 SAN DIEGO Road, Berkeley. Ray H Norheim to whom it may concern..... Dec. 9, 1931

Dec. 10, 1931—NO. 9014 HILLCREST AVE., Oakland. Angelo Magnani to Charles Ungaretti..... Dec. 10, 1931

Dec. 9, 1931—S ASHBY AVE 85 E King St, Berkeley. Levi J Moran to Levi J Moran..... Nov. 21, 1931

Dec. 9, 1931—LOT 10 BLK 4, Oakmore Terrace, Oakland. L W and Margaret Roth to whom it may concern..... Dec. 8, 1931

Dec. 15, 1931—LOT 7 BLK F, Estudillo Estates, San Leandro. Charles W and Ada J Griffith to whom it may concern..... Dec. 12, 1931

Dec. 15, 1931—LOTS 31 AND 32, Peralta Avenue Tract, Oakland. Bertha Albrecht and Frederick Volkner to Robert E Bartlett and N E Rockwell..... Dec. 12, 1931

Dec. 15, 1931—LOT 15 BLK 9, Herzog Tract, Berkeley. A P and A Adeline Perryman to G W Wells and D E Taylor..... Dec. 14, 1931

Dec. 15, 1931—LOT 32 and S ½ Lot 33 Blk 15, Amended Map of Sunset Terrace, Albany. J G and Freda M Brown to J G Brown..... December 5, 1931

LIENS FILED

Alameda County

Recorded	Amount
Dec 24, 1931—1209 TALBOT Street, Berkeley. Carl Hanker vs Cannie and M Casner, Emil Richter.....	\$104
Dec 24, 1931—LOT 16 BLK A, Sub of a ptn of the Quigley Tct, Oakland. B Cooper doing business as The Thrift Shop vs Ida Irene and John I Jones.....	\$24
Dec 24, 1931—INTER SE La Loma Ave and SW bdy line of lot 26, map of La Loma Park, Berkeley. Tilden Lumber and Mill Co vs Ella M Murphy.....	\$276.10
Dec. 23, 1931—LOTS 1, 2, 3, 4, 5, 6 Coelhof Tract, Eden Township. Hozier and M L Caswell vs J R Wilson; Maria, Leo M, Winifred, Amelia, Joas, & Thos R Coelhof; Oakland Speedway Assn, Ltd; H V Clark; Linn Mathewson and Robt Jarvis.....	\$740
Dec 21, 1931—LOT 10 BLK A, Claremont Pines, Oakland. Joseph Guglielmo doing business as Phoenix Day Co vs Roy and Ida Mauvals.....	\$24
Dec. 18, 1931—NW BROADWAY 140 NE Twentieth St., Oakland. Transit Concrete Ltd vs Broadway & Twentieth Properties, Inc; George Wagner and Chris Berg.....	\$264.13
Dec. 18, 1931—NW BROADWAY 140 NE 20th St., Oakland. Pacific Coast Aggregates vs Broadway & Twentieth Properties, Inc; George Wagner and Chris Berg.....	\$1237.03
Dec. 17, 1931—NW BROADWAY 140 NE Twentieth St., Oakland. E K Wood Lumber Co vs Broadway and 20th Properties, Inc; Chris Berg and George Wagner.....	\$70.30
Dec. 17, 1931—LOT 11 BLK 7, Sub of ptn of North Cragmont, Berkeley. E K Wood Lumber Co vs Gust Jelme.....	\$402.17

Dec 16, 1931—E 40 FT LOT 8 BLK 13, Broadmoor, San Leandro. A J Bowman doing business as Bowman Bldg Supply Co vs H A Johnson, C Dewey Oliver.....	\$86.15
Dec. 16, 1931—760 CRAGMONT AVE., Berkeley. John H Levon vs Leonard L Richards, David Nordstrom.....	\$255.00
Dec. 16, 1931—SW SAN PABLO AVE and Bancroft Way, Berkeley. Independent Iron Works vs Robt H Wetmore, Amy Florence Wetmore, Minnie B Buckley, trustees.....	\$4735
Dec. 12, 1931—1319 BRUSH STREET, Oakland. P L Merrick doing business as Merrick Wall Paper and Paint Co vs Bernard White and H Finn.....	\$33.02
Dec. 12, 1931—LOT 16 BLK A, Sub of a ptn of the Quigley Tract, Oakland. Morgan Electric Co, Ltd vs Ida Irene and John I Jones.....	\$134.55
Dec. 11, 1931—W PEARL ST 190 S Calhoun, Alameda. C W Abbott Co vs L J and Hanna Annette and N F Justice.....	\$151.42
Dec. 10, 1931—LOT 17 BLK D, New Piedmont Heights, Oakland. Walter Todd, \$246.80; Sunset Lumber Co, \$487.03 vs J J Groden.....	
Dec. 10, 1931—NO. 8310 E-FOURTEENTH ST., Oakland. Harry and Cecelia Larsen (as Larsen Bros) vs George Linton and John Genicks.....	\$127.20
Dec. 3, 1931—NW PERALTA and W-Tenth St., Oakland. Tilden Lumber & Mill Co vs Roman Catholic Archbishop of S. F. and J B McCullough.....	\$75.45
Dec. 14, 1931—NW PERALTA and W-Tenth Sts., Oakland. D W Cronin and P J O'Connor (as Cronin & O'Connor), \$318.80; Scott Co, \$750 vs Roman Catholic Archbishop and Chas B McCullough.....	
Dec. 15, 1931—PTN LOT 8 BLK 13, Map of Broadmoor, San Leandro. J R Pierce Plumbing Co, \$100.33; Oliver Davis, \$134 vs H E Johnson.....	
Dec. 14, 1931—W PEARL ST 170 S Calhoun St., Alameda. Charles Simpson, \$112.50; Clarence Markus (as Markus Hardware Co), \$96; Swift Lumber Co., Inc, \$608.36; F L Courtney, \$74; Robert Streiff, \$271.10; Frank V Berckefeldt (as Globe Roofing Co), \$86.29 vs L G and Hannan Annett and Noble F Justice.....	\$62.69
Dec. 14, 1931—LOTS 5 AND 6 BLK 200, Hogan Tract, Oakland. Arvis Knapp Co vs Sam and Beckie Feldstein and E L McAllister.....	\$226.75
Dec. 14, 1931—NW PEARL ST. 30 SW Calhoun, Alameda. L Scarameilli vs L G and Hannah Annett and R F Justice.....	\$226.75

RELEASE OF LIENS

Alameda County

Recorded	Amount
Dec 24, 1931—PTN LOT 1, Trenor & Armstrong Tract. LeRoy Olson Co to Frank P Brophy, Jr.....	\$70.65
Dec. 18, 1931—SW GRAND AND Bellevue Aves., Oakland. V N Smith to Union Oil Co of Calif. and Central California Roads Co.....	\$191.49
Dec. 18, 1931—NO. 8310 E-FOURTEENTH ST., Oakland. Harry and Cecelia Larsen (as Larsen Bros) to George Linton and John Genicks.....	\$127.20
Dec. 17, 1931—EDYTH ST AND Dullich Road, Oakland. California Steel Products Co to Roman Catholic Archbishop of S F and A A Polla.....	\$420.40

Dec 14, 1931—EDITH ST and Dululloch Road, Oakland. Nat Lena, \$2886.45; E P Murphy doing business as E P Murphy Co to Roman Catholic Archbishop of San Francisco, Sisters of the Sacred Names of Jesus and Mary, James L McLaughlin Company.....

Dec 14, 1931—EDITH ST and Dululloch Road, Oakland. Pacific Coast Aggregates, Inc, \$5764.53; Transit Concrete, Ltd, \$1830.36; The Patent Scaffolding Co, \$480.25; Henri Gregoire, \$2860, to Roman Catholic Archbishop of San Francisco, James McLaughlin Co, Chris Berg.....

Dec 14, 1931—EDITH ST and Dululloch Road, Oakland. Pacific Coast Aggregates to Roman Catholic Archbishop of San Francisco, Jas L McLaughlin Co, Chris Berg, Henri Gregoire.....\$496.76

Dec 12, 1931—EDITH ST and Dululloch Road, Oakland. East Bay Glass Co to Roman Catholic Archbishop of San Francisco, Sisters of the Sacred Names of Jesus and Mary, James L McLaughlin Co.....\$394.15

Dec. 10, 1931—EDITH ST AND Dululloch Road, Oakland. Dwan & Co to Roman Catholic Archbishop of S. F. and James L McLaughlin Co.....\$773

Dec. 8, 1931—PTN LOTS 23 AND 24, Subd. of Ptn of Piedmont Heights, Oakland. Pacific Mfg Co to Roman Catholic Archbishop of S. F., Sisters of the Sacred Names of Jesus and Mary and James L McLaughlin Co.....\$1898.23

Dec. 8, 1931 — EDITH ST. AND Dululloch Road, Oakland. J E Back Co, Inc to Roman Catholic Archbishop of S. F. and James L McLaughlin, Inc.....\$839

Dec 14, 1931—EDITH ST and Dululloch Rd., Oakland. United States Gypsum Co, \$6039.02; J J Seanlon, \$2780, to Roman Catholic Archbishop of San Francisco, Sisters of the Sacred Names of Jesus and Mary, James L McLaughlin Co, Chris Berg.....

Dec 14, 1931—EDITH ST and Dululloch Road, Oakland. Transit Concrete, Ltd to Roman Catholic Archbishop of San Francisco, Jas L McLaughlin Co, Chris Berg, Henri Gregoire.....\$20

Dec 14, 1931—EDITH ST and Dululloch Road, Oakland. Henri Gregoire to Roman Catholic Archbishop of San Francisco, Chris Berg.....\$2860

BUILDING PERMITS

SAN MATEO

BUNGALOW, \$4000; Lot 5 Blk 6, No. 247 Fifth Ave., San Mateo; owner, and contractor, Charles Hutchinson, 1918 Palm Ave., San Mateo.

STORE, concrete, 2-story, \$26000; Lot 8, No. 71 Third Ave., San Mateo; owner, Stelling & Co, Ltd, 155 Montgomery St., San Francisco; contractor, G. P. W. Jensen, 320 Market St., San Francisco.

RESIDENCE, \$4000; W 10 ft. of Lot 8 E 30 ft. Lot 9 Blk 3, No. 542 26th Ave., San Mateo; owner and contractor, Castle Building Co, El Camino and Allen Sts., San Mateo.

RESIDENCE, \$4000; E 40 ft. Lot 20 Blk 7, No. 356 25th Ave., San Mateo; owner, Castle Building Co, El Camino and Allen, San Mateo.

RESIDENCE, \$7500; Lot 2 Blk 9 W Third Ave., San Mateo; owner, J. M. Carlson, 134 16th St., San Mateo; contractor, W. O. Nicolaidis, 236 Clark St., San Mateo.

RESIDENCE, \$4000; E 50 ft. Lot 6 Blk 6 W, 309 23rd Ave., San Mateo; owner and contractor, Buschke & Johnson, 235 3rd Ave., San Mateo.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded.....Accepted

Dec. 21, 1931—LOT 4, Willbrough Place, San Mateo. Geo W Williams to Geo W Williams.....December 19, 1931

Dec. 21, 1931—LOT 11 BLK 12, Lyon & Hoag Sub. San Carlos. Wm Rappier to whom it may concern.....Dec. 19, 1931

Dec. 21, 1931—LOT 10 BLK 3, Easton Percy W Frelse et al to whom it may concern.....

Dec. 15, 1931—LOT 10 BLK 14, Lomita Park. Giovanni Guido to whom it may concern.....Dec. 12, 1931

Dec. 15, 1931—LOT 29 BLK 4, Burlingame Grove. Joseph Metcalf to whom it may concern.....December 15, 1931

Dec. 15, 1931 — LOCATION NOT Given. County of San Mateo to Robert A Parish.....Nov. 18, 1931

Dec. 15, 1931—LOT 5 BLK C, San Mateo Heights. Edward J Ild to whom it may concern.....Dec. 8, 1931

Dec. 16, 1931—LOT 16 BLK 21, Redwood Highlands. Morton Brewer to whom it may concern.....December 16, 1931

Dec. 16, 1931—LOT 16 BLK 62, Easton. G W Williams Co to G W Williams Co.....Dec. 15, 1931

Dec. 15, 1931—LOT 38 BLK 10, Crocker Estate Tract. Gus R Blomquist to whom it may concern.....Nov. 20, 1931

Dec. 16, 1931—LOT 5 BLK 30, Redwood Highlands. T S Kays to whom it may concern.....Dec. 16, 1931

Dec. 16, 1931—LOTS 12, 13 AND 14 Blk 16. Roman Catholic Archbishop to H H MacDonald.....Dec. 14, 1931

Dec. 16, 1931—LOT 14 BLK 206, Fairways Emerald Lake. Frank Storey to whom it may concern.....December 16, 1931

Dec. 17, 1931—WASHINGTON School, Redwood City. Grammar School District to Gus Waller.....Dec. 10, 1931

Dec. 17, 1931—LOT 82, Bayshore Properties Co. Ezio Bendinelli et al to Bert Norberg.....Dec. 16, 1931

Dec. 17, 1931 — LOT 11 BLK 35, Western Addition, San Mateo. A De Benedetti to whom it may concern.....Dec. 17, 1931

Dec. 17, 1931—STATE HIGHWAY & Ravenwood Ave., San Mateo. Geo F Delno et al to Palmer & Tibbs.....Dec. 10, 1931

Dec. 18, 1931—LOT 9 BLK 11, Burlingame Hills. John F Lienen et al to E S Shaver.....Dec. 4, 1931

Dec. 18, 1931—STATE HIGHWAY, South of San Francisco. State of California to J O'Shea.....Dec. 15, 1931

Dec. 18, 1931—LOT 5 BLK 2, Lomita Park. Frank Wallace et al to O H Taylor.....Dec. 15, 1931

Dec. 19, 1931—PART LOTS 10 AND 11 Blk 5, Huntington Park. Chas A Drew to whom it may concern.....December 17, 1931

LIENS FILED

SAN MATEO COUNTY

Recorded.....Amount

Dec. 23, 1931—LOTS 25, 26 AND 27 Blk 3, Huntington Park, San Mateo. South City Lumber Co, \$—; South City Lumber Co.....\$161.45

Dec. 23, 1931 — LOT 38 BLK 10, Crocker Estate Tract, San Mateo. H H Smith vs Gust Blomquist.....\$375.70

Dec. 24, 1931—LOTS 2 AND 3 Blk 18, Central Park, San Mateo. Harry Blendes vs Fernando Toni.....\$147.50

Dec. 18, 1931—LOT 19 BLK 8, Questa La Honda. W B Jefferson vs Mary Dunham et al.....\$44.70

Dec. 18, 1931—LOTS 25, 26 AND 27 Blk 7, Huntington Park. Sudden Lumber Co vs M A Whitelock.....\$938.74

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded.....Amount

Dec. 22, 1931 — LOCATION NOT Given. Palo Alto Lumber Co; Bay Shore Material Co; Bowman Hardware Co; S G Sesak to Sam Gass.....

Dec. 22, 1931 — LOCATION NOT Given. Sam B. Gass; Sudden Lumber Co; San Carlos Feed & Fuel Co; James O Wallace to Wm E Griffin.....

Dec. 23, 1931—LOTS D AND E, San Mateo, Burlingame Land Co to A M Dittman.....

Dec. 18, 1931 — LOCATION NOT Given. G Breyato to R N Noble.....

Dec. 16, 1931—LOT 11 BLK 7, Burlingame. Pacific Mill & Cabinet Co to Richard P Miner.....\$50

Dec. 7, 1931—LOT 29 BLK 30 Redwood Park. McElroy-Chelm Lumber Co; Lafferty & Wilson; James O Wallace and John Dugish to Harold G Jervis.....

BUILDING PERMITS

PALO ALTO

RESIDENCE, stucco, \$5000; No. 195 California Ave., Palo Alto; owner, W. A. Schall.

SHED, storage, \$1000; No. 101 Lytton Ave., Palo Alto; owner, Anita Byxbee; contractor, W. H. Ball.

RESIDENCE, stucco, \$5000; No. 1020 Guinda St., Palo Alto; owner, N. Ockerman, 1511 Middlefield, Palo Alto; contractor, Aro & Ockerman, 1160 Fulton St., Palo Alto.

ALTERATIONS and addition to residence, \$5000; 537 Coleridge Ave.; owner, Grace Ross Seale, 537 Coleridge Ave.; contractor, H. Dablinett, 1765 Fulton St.

RESIDENCE and masseur parlor, \$3700; 335 Alma St.; owner, Anita L. Byxbee, 355 Alma St.; contrac-

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

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San Francisco

tor, Da Mant Bros 525 Santa Cruz Ave., Menlo Park.
RESIDENCE, rustic, and garage, \$3,500; 404 Oxford St.; owner, Leonard Distel, 261 California Street; contractor, George Pisani.
ALTER residence, \$1000; 161 Bryant St.; owner, Kathleen McCarthy; premises; contractor, H. Dabnnett, 1765 Fulton St.
RESIDENCE, 2-story frame and stucco, and garage, \$2,900; 1327 Webster St.; owner, A. A. Moule; contractor, H. Dabnnett, 1765 Fulton.
ALTER interior and exterior of New Stanford Theatre, \$8000; 221 University Ave.; owner, Fox West Coast Theatres; contractor, Ellis J. Arkush, Brewer St., Hillsborough.

BUILDING CONTRACTS

SANTA CLARA COUNTY

RESIDENCE
 LOT 6 BLK 14, May of Chapman and Davis Tract, San Jose. All work for eight-room frame residence and garage.
 Owner—Mrs. Julia T. Baldwin.
 Architect—Not Given.
 Contractor—A. R. Calvelli, 855 Nevada Ave., San Jose.
 Filed Dec. 16, '31. Dated Dec. 3, '31.
 Frame up and roof on.....\$1433.33
 Inside and outside plastered 1433.33
 Building completed 1433.33
 Usual 35 days 4000.00
 (in form of deed to Lot 7 Blk 79, Naglee Park Tract.)
TOTAL COST, \$3800
 Bond, \$4150. Sureties, J. J. Morella and S. H. Chase. Limit, 120 days from Dec. 3, 1931. Forfeit, none. Plans and specifications filed.

BUILDING PERMITS

BURLINGAME

RESIDENCE, \$3500; Willborough Place, Burlingame; owner and contractor, G. W. Williams Co., 315 Primrose Road, Burlingame.
RESIDENCE, \$4400; Lot 12 Blk 12, B. J. Crossway Road, Burlingame; owner and contractor, N. A. White

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
 Dec. 21, 1931—LOT O BLK 1, Map of Re-survey and Resubd of Lots 21 to 26 incl Blk 1, Ptn Lots 7 and 14 Blk 3, Lots 1 to 15 incl and Lot 23 Blk 7, Palm Haven also ptn Lot 1 of resubd of Palm Haven. James O and Florence M Cunningham to whom it may concern.....
 Dec. 12, 1931
 Dec. 21, 1931—LOT 15 Maurer Subd, Willow Glen. Carl C Maurer to whom it may concern.....Dec. 15, 1931
 Dec. 21, 1931—LOT 2 BLK 3, Map No. 2, Pal Jose, being subd of Lot 16 and part Lot 20 Blk 15, Sunnyvale. Chauncey D and Mable J Minaker to Philip Darr.....Dec. 14, 1931
 Dec. 21, 1931—LOT 33 Delwood Park Narvaez Rancho, City of Willow Glen. Jack Silva to Ira Brotman.....Dec. 21, 1931
 Dec. 21, 1931—LOT 19 BLK 1, Hanchett Residential Park, San Jose. Salvatore and Mary Lima to Mike Perino.....Dec. 19, 1931
 Dec. 24, 1931—PTN LOT 50, Los Altos Country Club Properties. Katharine L Gray to whom it may concern.....Dec. 22, 1931
 Dec. 23, 1931—LOT 167, Cottage Grove Tract, San Jose. Michele and Adelaide Scaglione to whom it

may concern.....Dec. 22, 1931
 Dec. 22, 1931—BEG. AT FLORENCE Ave at SE Cor. Lot 27, Lyndale Subd on E line Lot 37 NW 130 ft. th part Florence Ave SW 55.65 ft. th part E line Lot 37 SE 130 on Florence Ave NE 53.65 to pt of h b Ptn Lot 27, Lyndale Subd., Pala Rancho. W C Thompson to whom it may concern.....Dec. 22, 1931
 Dec. 15, 1931—LOTS 7 AND 8 BLK 31, College Terrace, Palo Alto. H J Pinkerton to whom it may concern.....Dec. 12, 1931
 Dec. 15, 1931—LOT 9 BLK 7, Resubd of Palm Haven, San Jose. Delos Whaley to whom it may concern.....December 12, 1931
 Dec. 15, 1931—LOT 11 Tct 2, Rancho Del Patio being S 1/2 of Sec 26 Tsp 7 S R 1 W. B F and Roxie B Harrison to B J Smith.....Dec. 11, 1931
 Dec. 15, 1931—W SPENCER ST. 78 N Home St., San Jose. Robt B Gray to whom it may concern.....December 15, 1931
 Dec. 16, 1931—PTN LOTS 26 AND 27 Benders Subd, San Jose. R B Gray to whom it may concern.....December 15, 1931
 Dec. 16, 1931—LOT 6, Santana Subd San Jose. Alvie Hudson to Geo S Kocher.....Dec. 15, 1931
 Dec. 17, 1931—N PANORAMA DR in Las Haciendas Tract, bet. Los Gatos and Saratoga. Wm F Hayward to N J Nielsen.....Dec. 14, 1931
 Dec. 18, 1931—LOT 13 TRACT NO. 2, Rancho Del Patio. Raymond R Allison to B J Smith.....Dec. 15, 1931
 Dec. 18, 1931—PTN BOYCE ADDITION, Palo Alto. Gus Meister to whom it may concern.....Dec. 15, 1931
 Dec. 19, 1931—LOT 7 BLK 72 Amended Map of Subd 8, Seale Tct. also SE 23 ft. Lot 8 Blk 72, Subd No. 8, Seale Tract, Palo Alto. Cleveland Smith to Cleveland Smith.....Dec. 13, 1931

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
 Dec. 23, 1931—CAPITOL AVE AND Mabury Road, Pt. Pueblo Tract No. 1 (40.91 Ac, exclusive of roads) Williams & Russ vs Stefano and Maria Messina\$154.16
 Dec. 23, 1931—E SUNOL ST. 249.50 N San Fernando St. r/a E 140 ft. to lands Wilson S pari Sunol St. 60 ft. r/a W 140 to E Sunol St. on Sunol St. 60 to pt of f. g. Williams & Russo vs Wm Bellomo\$43.37
 Dec. 21, 1931—N 1/2 LOT 14, Maybell Tract Subd., San Jose. Palo Alto Lumber Co vs J L and Jane Doe Silvey\$367.65
 Dec. 14, 1931—LOTS 5 AND 6 BLK 31, College Terrace, Palo Alto. W Herbert vs S B and Della G Goss\$185
 Dec. 15, 1931—N 1/2 LOT 14, Maybell Terrace near Palo Alto. J M Taylor vs John Lewis Silvey et al.....\$65
 Dec. 16, 1931—LOT 58, Kellogg Tr near Mountain View. Stirling Lumber Co vs Eugent and Lee Smith\$184.62
 Dec. 18, 1931—LOTS 5 AND 6, College Terrace, Palo Alto. Frank A Brunert vs Sam B Goss et ux.....\$150
 Dec. 18, 1931—LOT 50, Colonial Manor. Wm H O'Neil vs A L R Anderson et ux\$129

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded Amount
 Dec. 18, 1931—PART LOTS 5 AND 9, Amended Map of Subd No. 8, Seale Tract, Palo Alto. Wm and

J C Urbar vs Cleveland Smith; B F Caine and Allan Cutler.....\$111.07

BUILDING CONTRACTS

MARIN COUNTY

RESIDENCE
 ROSS. All work for frame and stucco residence.
 Owner—Not Given.
 Architect—Not Given.
 Contractor—Frank H. Allen, 232 Main St., San Anselmo.
 Sub-Contractor—Joseph Linggi, Olema Road, Fairfax.
 Filed Dec. 22, '31. Dated Dec. 7, '31.
 Frame up\$1395
 When plastered 1395
 When completed 1395
 Usual 35 days 1395
TOTAL COST, \$5590
 Bond, limit, forfeit, plans and specifications, none.

SERVICE STATION

MILL VALLEY. All work for super service station.
 Owner L. Ferreira and F. Schnone, Mill Valley.
 Architect—Not Given.
 Contractor—C. G. Hildebrand, 2164 Hearst Ave., Berkeley.
 Filed Dec. 17, '31. Dated Dec. 14, '31.
 Contract signed, etc.....\$875
 Foundation in place..... 875
 Roof on 875
 When completed 875
TOTAL COST, \$3500
 Bond, \$3500. Surety, Fidelity & Deposit Co. of Maryland. Limit, 45 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted
 Dec. 22, 1931—MILL VALLEY. W E Kushton and wife to L J Klein.....Dec. 12, 1931
 Dec. 24, 1931—SAUSALITO. Marguerite C Schaefer to Melvin H Klyce.....Dec. 17, 1931
 Dec. 14, 1931—LARKSPUR. Mary A Carew to N P Evanow.....December 4, 1931
 Dec. 14, 1931—WINSHIP PARK. Ross. James C Leach to Wm Keffle.....Dec. 15, 1931
 Dec. 17, 1931—SAUSALITO. Sylvia Sloss to Young & Horstmeyer.....

BUILDING PERMITS

STOCKTON

RESIDENCE, brick veneer, six-room and garage, \$6000; No. 745 Lexington Ave., Stockton; owner, R. Genekow, 745 Lexington Ave., Gnekow, 745 Lexington Ave. Stockton; contractor, Guy W. Donaldson, 239 E-Noble St., Stockton.
DWELLING, rustic, 4-room, \$2000; No. 130 W-Worth St., Stockton; owner, Amerigo Del Carlo.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
 Dec. 26, 1931—LOT 119, Burkett Acres Community, Clara B Trant-ham to A Frank Trant-ham.....December 23, 1931
 Dec. 23, 1931—LOT 1 BLK 1, Stockton. Edward Van Vranken to H. E Vickroy.....Dec. 22, 1931
 Dec. 18, 1931—LOT 14 BLK 18 Sur-vey 2999. H B Gregerson and wife to Bryan T Parsons.....Dec 18, 1931

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded	Amount
Dec. 23, 1931—LOT 24, Resubd of Encinas de Moraga, Elizabeth C Badgley to whom it may concern.....	December 15, 1931
Dec. 22, 1931—LOT 1 and Part Lot 31 Blk 20, Richmond Junction. F M Rumbaugh to whom it may concern.....	Dec. 19, 1931
Dec. 12, 1931—LOT 40, Mira Vista Highlands. D W Van Horn to whom it may concern.....	Dec. 11, 1931
Dec. 15, 1931—LOT 28 BLK 227, Central Addition to Pittsburg. Kathryn Lucille Cardinalli to Charles Isaacson.....	Dec. 12, 1931

LIENS FILED

CONTRA COSTA COUNTY

Recorded	Amount
Dec. 24, 1931—LOT 93, La Salle Heights, Martinez, Martinez Sheet Metal Works to Paul N Richardson.....	
Dec. 10, 1931—LOTS 27 AND 28 in Dewing Park, De Walt Machinery Ltd vs John R Serpa, Anna C Serpa and T A Osborne.....	\$150
Dec. 14, 1931—LOT 21, Enes Ambrose Subd 2nd Unit, Diamond Bldg Materials Co vs Clement.....	
Dec. 16, 1931—LOT 21, Enes Ambrose Subd 2nd Unit, Redwood Manufacturers Co vs Clement Alexander Tays.....	\$598.39

RELEASE OF LIENS

CONTRA COSTA COUNTY

Recorded	Amount
Dec. 17, 1931—LOTS 27 AND 28, Dewing Park, Saranap, T A Osborne to John R and Anna C Serpa.....	

LIENS FILED

MARIN COUNTY

Recorded	Amount
Dec. 14, 1931—SAN RAFAEL, A J Daggett vs Thos J Crowley.....	\$299.90
Dec. 15, 1931—LARKSPUR, John Carcano vs Frank Kellogg and H W Hoppe.....	\$60

COMPLETION NOTICES

SONOMA COUNTY

Recorded	Accepted
Dec. 19, 1931—HUMBOLDT ST, Green's Addition to Santa Rosa. Paul J and Edna C Lindan to whom it may concern.....	Dec. 19, 1931

LIENS FILED

SONOMA COUNTY

Recorded	Amount
Dec. 19, 1931—LOTS 22 AND 23, Plat of Re-subdivision of Dosevale Farms, Sterling Lumber Co vs Harold, Grace, Charles E & Louise Everhart.....	\$47.28
Dec. 19, 1931—LOTS 22 AND 23 Plat of Re-subd of Rosevale Farms, Mead Clark vs Harold and Grace E Everhart and Koch & Jensen.....	\$871.02 plus \$6.20
Dec. 22, 1931—LOTS 22 AND 23 Plat of Re-subd of Rosevale Farms, Marshall Maxwell, \$100.50; George Martel & Son, \$142; Jens W Jensen, \$24 vs Harold and Grace E Everhart and Kohn & Jensen.....	
Dec. 23, 1931—LOTS 22 AND 23, Plat of Re-subd of Rosevale Farms.	

Edward F Holtz vs Koch & Jensen; Harold and Grace E Everhart.....	\$30.45
Dec. 23, 1931—LOT 11 BLK E, Subd 8, Del Rio Woods, The Healdsburg Lumber Co vs W S Hanna; John Doe; Richard Roe and Sally Moe, et al.....	\$154
Dec. 17 1931—LOT 23 Rosevale Farms Sub, near Santa Rosa. A E, S A and D C Poulsen, Santa Rosa Dept Store vs Harold & Grace E Everhart.....	\$57.86

RELEASE OF LIENS

SONOMA COUNTY

Recorded	Amount
Dec. 22, 1931—R E IN SECTION 24 T 8 N R 10 W (80 acres and other real state). Healdsburg Lumber Co to Judd Mfg Co; H E Crawford and J E Tsarnas et al.....	\$114.35
Dec. 18, 1931—REAL EST located nr Healdsburg, ranch property. Harvey Taylor to Judd Mfg Co, Frank P Grace, et al.....	

COMPLETION NOTICES

MONTEREY COUNTY

Recorded	Accepted
Dec. 21, 1931—LOT 5 BLK 13, Map of Monterey Heights, Monterey, George G Hague and Percy C Knen to Monterey Bldg & Supply Co.....	December 19, 1931
Dec. 21, 1931—LOT 23 BLK 143, Carmel-by-the-Sea. Emily L Turner to Ernest S Bickler.....	December 16, 1931
Dec. 21, 1931—S 60 FT. OF LOTS 2, 4, 6 Blk 16, Map of N half of town of Monterey. City of Monterey to Albert Station.....	Dec. 5, 1931
Dec. 22, 1931—LOT 3, all that part of the Rancho Bolsa Neuva of Moro Cojo, Monterey County. Alex and F C McGuffie to Mutual Home Builders' Assn.....	Dec. 21, 1931
Dec. 22, 1931—LOT 11 BLK 4, Maple Park Addition No. 2, Elizabeth McDougall to Bruce E Baird.....	December 21, 1931
Dec. 23, 1931—CASTROVILLE Union Grammar School Site. Castroville Union Grammar School to Wm M Myer.....	Dec. 14, 1931
Dec. 26, 1931—BET. MARTIN AND Madison Sts., Monterey. Monterey Union High School District to M J Murphy, Inc; Union Supply Co; Oak Flood Co; Rudolph Furni Co; Albattross St. Eq. Co; C L Frost; Overhulse Bros; C F Weber Co; Raphael Co; Anderson D & H Co; Baker, Hamilton Co; J C Hillard; Vosmer Sheet Metal Co; East Bay Glass Co; Tynan Lumber Co; A D H Co; C F Weber Co; J C Hillard Co; W M McConnell and Tire Elec Co.....	Dec. 15, 1931

LIENS FILED

MONTEREY COUNTY

Recorded	Amount
Dec. 24, 1931—LICENSED SURVEYORS Map of Fruitland Subvn, part of the Rancho Bolsa de San Cayetano. Hammond Lumber Co vs Albert Viach.....	\$1090.81
Dec. 13, 1931—LOT 7 Assessor's Map No 1 Carmel Highlands, Frank De Amara vs Wilma Sutro also known as Mrs Charles Sutro and A McCall Smith.....	\$265
Dec. 18, 1931—LOT 7 Assessor's Map No 1, Carmel Highlands, John Bahten vs Wilma Sutro also known as Mrs Charles Sutro and A McCall Smith.....	\$245.50

RELEASE OF LIENS

MONTEREY COUNTY

Recorded	Amount
Dec. 21, 1931—ITN OF LOT 64 as shown on Map of Locke-Paddon Addn to Salinas. W F Seehrest Lumber Co to G A and Helen A Seihler and Irene and George C Parker.....	\$103.54
Dec. 17, 1931—BEGINNING at North line of Sausal St with East line of Front St, Salinas City; all that part of the Sausal Rancho, Salinas Valley Concrete Pipe Co to E M Vail, Salinas Valley Ice Co Ltd and Frank Myers.....	\$40.18

BUILDING PERMITS

SACRAMENTO

MACHINE shop addition, \$2500; No. 500 Y St., Sacramento; owner, J. H. Stocker, 2231 T St., Sacramento contractor, W. E. Truesdale, 2116 H St., Sacramento.	
RESIDENCE, 10-room and garage, \$6000; No. 2133 Alhambra Blvd., Sacramento; owner, A. McFarland, 1533 33rd St., Sacramento.	
DWELLING, 6-room and garage, \$5500; No. 1173 Perkins Way, Sacramento; owner, N. Lund, 2549 6th Ave., Sacramento.	
DWELLING, 6-room & garage, \$5000; No. 1501 12th Ave., Sacramento; owner J. Layth, 1201 47th St., Sacramento; contractor, F. Richards, Hagginwood.	
DWELLING, 6-room and garage, \$4500 No. 111 Perkins Way, Sacramento; owner, W. Phillips, 2101 9th Ave., Sacramento.	
RESIDENCE, 6-room & garage, \$5000; No. 1800 Third Ave., Sacramento; owner, C C Ruby, 4800 T St., Sacramento.	
DWELLING, brick, \$9500; Lot 5 Blk 20, 21st, 23rd, Q, R Sts., Sacramento; owner, Valley Grocery Co; contractor, T. Schluckebier, 3140 Marshall St., Sacramento.	
STORE and residence, \$6000; No. 2833 36th St., Sacramento; owner, C. D. and V. L. Soracco, 3082 37th St., Sacramento; contractor, Guth & Fox, 1523 27th St., Sacramento.	

COMPLETION NOTICES

SACRAMENTO

Recorded	Accepted
Dec. 24, 1931—LOT 2245, W & K Tet 24, Addition. Joseph and Gertrude J Pedone to whom it may concern.....	December 24, 1931
Dec. 21, 1931—LOT 768, Orange Park Cope Subd No. 7. General Supply Co, Inc vs C M Goethe and Glen Armstrong.....	\$227.81
Dec. 15, 1931—LOT 64, Land Drive Terrace Subd No. 1, Sacramento. W B Phillips to whom it may concern.....	Dec. 15, 1931
Dec. 15, 1931—LOTS 7 AND 8, V. W. 5th and 6th Sts., Sacramento. McLaughlin Draying Co to whom it may concern.....	Dec. 15, 1931

BUILDING PERMITS

FRESNO

DWELLING and garage, \$2000; No. 3547 Washington Ave., Fresno; owner, A. J. Damsell, 3721 Washington St., Fresno; contractor, Dwight W Doss; 5015 Nevada St., Fresno.	
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LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
Dec. 23, 1931 LOT 12, McKeaugh
Hwy. Trust No. 2, Sacramento,
Edl Glass & Edl Co as John
and Gertrude Simmons. \$32

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Dec. 23, 1931—CARUTHERS, Caru-
thers Union High School Dist. to
Irwin & Hopkins (Bus Garage)...
Dec. 18, 1931
Dec. 18, 1931—LOTS 29 TO 32 BLK.
89 Fresno. Goodyear Service Inc
to J. T. Cowan. Dec. 18, 1931
Dec. 18, 1931—KETTLEMAN HILLS
N Kettleman Dome Assn to Marco
Robertson Ltd (pipe line). Dec. 18 '31
Dec. 19, 1931—LOT 14 BLK 23 Alta
Vista Terrace Fresno. Thos W
Ware et ux to A R Eklund
Dec. 18, 1931
Dec. 19, 1931—LOTS 25 AND 26 BLK
2 Cleveland Terrace Fresno. Carl
Gustafson to whom it may con-
cern. Dec. 18, 1931
Dec. 19, 1931—LOTS 16 AND 17 BLK
4 Alhambra Terrace Fresno. Carl
Gustafson to whom it may con-
cern. Dec. 18, 1931

ENGINEERING SOCIETIES
EMPLOYMENT SERVICE

Further information regarding
positions listed in this column is
obtainable from Newton D. Cook,
Room 715, 57 Post St., San Fran-
cisco. (Phone Sutter 1684).

R-3720-S SALESMAN, experienced, to
sell furnace draft control installa-
tions on a guaranteed savings plan.
Commissions will average about \$12
on each sale. Location, San Fran-
cisco and Peninsula cities.

R-3706-S EXPERIENCED DESIGNER
and builder of centrifugal pumps de-
sires to locate one or more men who
can invest a total of \$24,000 to fi-
nance a business which can show
exceptionally good prospects. Loca-
tion, Bay Region.

R-3713-S SALES PROMOTION oppor-
tunity is open for some one who can
finance agency for new line of
brass goods having excellent sales
possibilities. San Francisco territory
requiring \$1500-\$2500 cash is open,
and other territories will be open
soon. Particulars upon written re-
quest. Headquarters, Bay Region.

R-3716-S CHEMICAL ENGINEER,
preferably between 30 and 40 years
old and experienced in the operation
of a chemical testing laboratory, to
take charge of laboratory. Must be
good chemist with sales ability, and
willing to start for \$150 month and
opportunity to share in business as
it grows. Apply by letter. Location,
San Francisco.

R-3719-S TECHNICAL SALESMAN,
at least 30 years old, with good sales
experience, preferably in the line of
food products so that he would be
acquainted with this trade. Chemi-
cal engineering training would be
required. Salary, \$250 per month or
more, depending upon man. Perma-
nent. Location, entire Pacific Coast.
Headquarters, San Francisco.

W-3321-C-S (K-337) MANUFACTUR-
ER of substation connectors and
switching equipment desires addi-
tional agents middle and western
states. Established trade connec-
tions on these and supplementary
lines essential. Apply by letter.
Headquarters, New York.

R-3708-S SALES MANAGER, tech-
nical man preferred, to take charge

of all details in connection with the
sales and distribution of electrical
transcriptions of programs for radio
broadcasting. Must be able to meet
with all types of executives and ad-
vertising agents and adapt himself
to an expanding market which will
cover the entire U. S. A. Invest-
ment of \$5000 required. Location,
San Francisco.

BUSINESS OPPORTUNITIES

Names and addresses of persons or
firms concerned in the following op-
portunities will be furnished on re-
quest to Business Opportunity, De-
partment, Daily Pacific Builder, 547 Mis-
sion St., San Francisco, or phone Gar-
field 8741.

21578—Representation. San Juan,
Porto Rico. Firm is anxious to con-
tact manufacturers interested in re-
presentation in Porto Rico.

21581—Saws. New York. Swedish
manufacturers of various kinds of
saws: circular, mill, hand, cross-cut,
lumber, etc.; machine knives; wood-
working, tobacco and for match fac-
tories, wood pulp and paper mills;
circular cutters, etc., are interested in
securing an agent on the Pacific Coast.

21582—Machinery. San Francisco.
A Swedish concern is offering the
agency here for the sale of a new
patent machine for manufacturing
mineral (aerated) waters and lemon-
ades.

21583—Glass. Vrbo, Czechoslovakia.
Manufacturers of crystal, cut and
pressed glass, seek an agent in San
Francisco.

21584—Representation. Paris, France.
Party seeks representation of local
manufacturers of radio sets and parts,
etc. References available.

21586—Draperies. Nordhorn, Ger-
many. Manufacturer of draperies, cur-
tains and furnishings wishes repre-
sentation.

21588—Surgical Instruments. San
Francisco. Bids wanted by foreign
government on surgical instruments,
laboratory articles, etc.

21593—Representation. Honolulu, T.
H. Commission merchant is interest-
ed in representing local manufactur-
ers in the Hawaiian Islands.

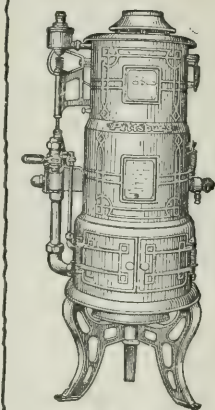
With emphasis on construction as
an unemployment relief measure, fig-
ures compiled by the bureau of labor
statistics of the department of labor
disclose that an average structure
furnishes work for 132 days and that
activities are usually under way in
less than a week after a building
permit is issued.

Only about 1 per cent of the per-
mits issued are allowed to lapse, and
these were found to represent 2.2 per
cent of the cost of all buildings
covered in permits issued in 10 repre-
sentative cities in which a survey was
conducted by the bureau.

The study was restricted by omit-
ting the large number of small build-
ings, such as private garages, sheds,
stables and barns. These classes al-
though large in quantity account for
a small per cent of the total cost of
new building construction. Additions,
alterations and repairs were also
eliminated from the study.

Governor James Rolph has re-
ceived a resolution from the State
Federalation of Labor, urging him to
call a special session of the legisla-
ture for unemployment relief. The
resolution suggests that the legisla-
ture approve an emergency appro-
priation of \$100,000,000 to provide employ-
ment for residents of California.

Plans to spend about \$2,800,000 on
road work have been made by the
Maryland state roads commission, ac-
cording to Harry D. William, Jr., chief
engineer. Work will be continued dur-
ing the winter to provide additional
employment. About 1300 men will be
employed on road construction in ad-
dition to about 1700 engaged on main-
tenance and repair work.



A "Pittsburg" Auto-
matic Water Heater
installed in the Home
indicates high quality
throughout.

Recommended and speci-
fied by all the leading ar-
chitects, plumbers and
builders.

Consider the high merit
of the Pittsburg coupled
with "Pittsburg Perfect
Service."

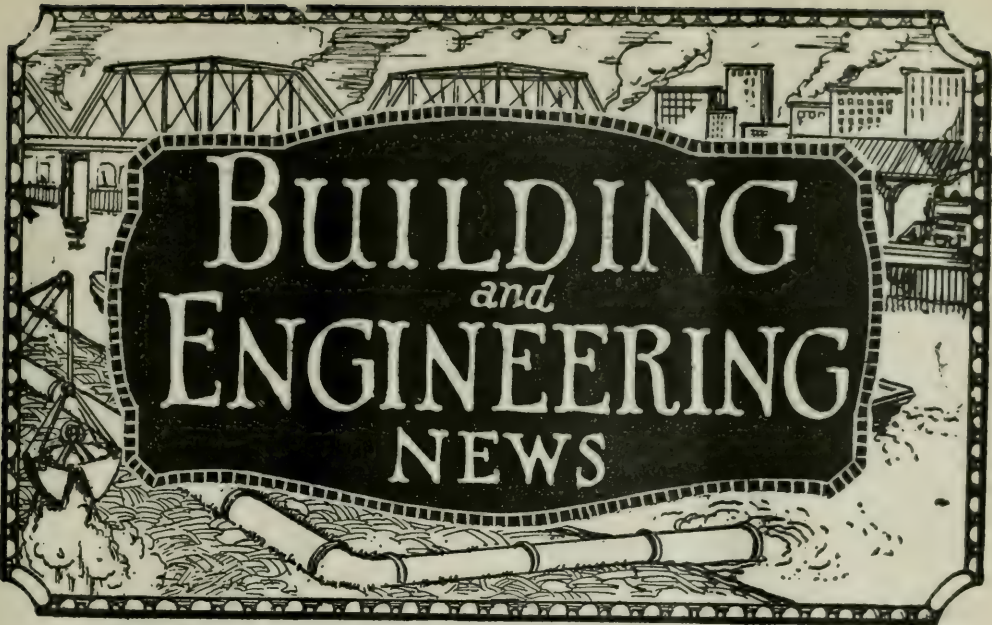
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Makers of "Pittsburg Automatic"—"Bungalow Automatic"
Storage Systems and "Lyon" Tank Water Heaters.

309 13th Street, Oakland 478 Sutter St., San Francisco

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BUILDING *and* ENGINEERING NEWS

Publication Office
547 Mission Street

SAN FRANCISCO, CALIF., JANUARY 9, 1932

Published Every Saturday
Thirty-sixth Year, No. 2

I*mportant* ANNOUNCEMENT!

Building and Engineering News
to consolidate with
Pacific Constructor

This is the last issue of BUILDING AND ENGINEERING NEWS to appear in its present form. This magazine, after 26 years of successful publication, will, with its next issue become a part of PACIFIC CONSTRUCTOR, official publication of the Associated General Contractors of America for the Eleven Pacific Coast States. PACIFIC CONSTRUCTOR will be issued semi-monthly commencing January 15 and will contain 48 pages of highly valuable information, including a 32 page section devoted entirely to construction reports. For further information see page three of this issue.

THE PUBLISHERS

SEE PAGE THREE FOR SPECIAL NOTICE

Send For a Sample Copy
Of The NEW
Daily Pacific Builder

The only daily construction newspaper affording complete coverage of the construction activities in Central and Northern California, featuring work contemplated, bids wanted, bids opened, contracts awarded, sub-bids wanted and sub-contracts let on all types of building construction, bridges, dams and harbor works, irrigation projects; machinery and equipment; water works and supplies business opportunities, building permits, building contracts, mechanics' liens, acceptances, etc., etc.

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

SAN FRANCISCO, CALIF., JANUARY 9, 1932

Thirty-sixth Year, No. 2

Subscription terms, payable in advance:

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Phone GARfield 8744-8745-8746
J. P. FARRELL, Editor
J. E. ODGERS, Advertising Manager

All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

Notice to Subscribers

BUILDING AND ENGINEERING NEWS, effective January 15, 1932, will be consolidated with the PACIFIC CONSTRUCTOR, official publication of the Associated General Contractors of America for the eleven Pacific Coast states.

In future, Building and Engineering News, to be issued as the Pacific Constructor, will be published on the first and fifteenth of each month.

The Editorial content of Pacific Constructor will be enlarged, and special articles will be featured in each issue. These articles will be prepared by a specially trained staff familiar with the needs of the construction industry. Articles of particular interest to the contractor will be covered in each issue, as well as timely briefs on construction developments throughout the eleven Western states.

The first issue in consolidated form will be published on January 15. This issue, as well as those to follow, will contain all matter heretofore published in Building and Engineering News with the exception of recorded matter, viz: building permits and building contracts, mechanics' liens and acceptances. This material will not appear in future issues, but will be available daily in the companion publication of the Pacific Constructor—the Daily Pacific Builder. Advance information on building construction and all types of engineering improvements, however, will be retained in Pacific Constructor. In fact, this branch of the service will be enlarged to cover a wider territory—that territory which Pacific Constructor aims to serve—the eleven Western states.

Subscribers to Building and Engineering News will henceforth be served with the new and enlarged publication, the subscription price of which will remain the same.

The first issue of the new and improved Pacific Constructor comes from the press on January 15. WATCH FOR IT.

THE PUBLISHERS.

STATE JOINS FIGHT IN ALIEN AND PREVAILING WAGE CONTEST

The case of the city of Pasadena, petitioner, vs. J. W. Charboville, city manager of the City of Pasadena, which is before the Supreme Court of the State of California, promises to be a bitterly fought legal battle.

The California State Federation of Labor entered the case as amicus curiae, and now a brief has also been filed in behalf of the Division of Labor Statistics and Law Enforcement of the State Department of Industrial Relations in similar proceedings.

Mandamus proceedings were brought by the city to compel the city manager to sign a contract which did not provide for the payment of "the prevailing wage" and that no aliens would be employed in its execution, as provided by state law. The brief submitted by the Industrial Relations Department, which is signed by Arthur L. Johnson and Charles F. Lowy as attorneys, contends that at least four labor laws will be affected by the decision in the cause.

A copy of the brief is published herewith:

Validity of Acts Not Disputed

"The validity of the two Acts in question is not disputed, but the principal contention of the Petitioner is that being in the nature of a general law they are inapplicable to 41 municipalities in the State operating under a so-called freeholder's charter, under which such municipalities have acquired the right to make provisions for the conduct of their own affairs.

"In this connection it is contended that the two Acts in question increase the costs of public work, narrow competition in costs of labor, with no resulting benefit to the taxpayer; that they place limitation upon bidding and thereby increase costs of public improvements. It is asked what evils the laws purports to remedy, what good is to be gained thereby, and whose business is the rate to be paid or the character of workmen to be employed. It is further insisted that the expenditure of money and the compensation of employees are affairs of the municipalities and should not be interfered with by the general laws of the State.

Express Authority Given Legislature to Pass Acts in Question

"Article XX, Section 17, of the Constitution of this State, provides:

"The legislature may, by appropriate legislation, provide for the establishment of a minimum wage for women and minors and may provide for the comfort, health, safety and general welfare of any and all employees. No provision of this constitution shall be construed as a limitation upon the authority of the legislature to confer upon any commission now or hereafter created such power and authority as the legislature may deem requisite to carry out the provisions of this section."

"We contend that by granting the right of self-government to a municipality, the legislature has not deprived itself of the power conferred upon it by this constitutional provision. By delegating the chartered powers the legislature has not divested itself completely of the right to legislate upon the same subjects, and the municipality has not acquired the exclusive right to deal with the affairs of the local government.

"The Division of Labor Statistics and Law Enforcement, having to do with the enforcement of all labor laws, has been confronted with numerous complaints of the inability of contractors on public jobs to meet their payrolls. At one time four specific complaints, involving a large number of employees on the building of public schools and other public improvements, were brought up for consideration. It appeared that the workers could not obtain their wages because of the inability of the contractors to meet the payrolls and to comply with the contracts. The difficulty was caused chiefly by the fact that they speculated on the costs of labor on the jobs, and not being able to secure labor as cheaply as contemplated in their bids they found themselves unable to finish their work. This required intervention by bonding companies, necessitating long and drawn-out delays and court actions, resulting in some instances in complete losses to numerous employers who had honestly performed labor and services on public jobs. Such a condition tends to bring discredit on the public bodies and public officials, who become helpless to relieve such situations. These practices became so numerous that the legislature was appealed to for protective measures.

"It is a well-known fact that costs of material at the present time are fairly well stabilized, but labor has not yet reached that stage. Unscrupulous contractors and speculators will gamble on obtaining cheap and unskilled labor, and when they find themselves unable to find such labor they frequently abandon the contract and leave it to others to complete. This creates a hardship on all parties interested. In some instances the new contractors are required to undo the work already performed. The authorities must advertise for other bids and make new contracts, and arrange for new forms of payments, resulting invariably in increased taxation.

"The legislature in considering the prevailing rate law had undoubtedly before it for its consideration the benefits thereof as well as the objections thereto, and it must be presumed that they gave proper consideration to the existing needs and demands, and that in adopting this law they expected to remedy the existing evils. One other reason which may have been considered by the legislature was its desire to protect the toiler so that he may also feel secure in his assumption that no question as to the amount he is to receive from the contractor will be raised, and by refusing to permit labor in its speculative state, it stopped unscrupulous contractors from gambling with the wages of the workmen and with the sacred rights of the toiler, which to such contractors were of little or of no concern.

"It will be noted that the Act does not attempt to fix the rate to be paid workmen employed on public works. Such determination is left to the reasonable discretion of the body awarding the contract. That body is presumed to be fully conversant with the labor conditions in the locality wherein the work is to be performed, and when the rate is thus fixed it becomes an easy matter for the competitors to bid as they are fully cognizant of the cost of labor on the particular job.

Presumption in Favor of Respondent's Contention

"Whether or not the legislature exercised proper wisdom in enacting this law is not a question for judicial interference and there is a presumption in favor of holding that the law does apply to chartered cities. See in this regard the case of *In re Miller*, 162 Cal. 687, in which the Supreme Court used the following language:

"The courts must always assume that the legislature in enacting laws, intended to act within its lawful powers and not to violate the restrictions placed upon it by the constitution."

Intention of Legislature Clear

"There is no doubt as to the legislature's intention that the law apply uniformly throughout the state to chartered as well as unchartered cities as it expressly states that it applies to work done under the direction and supervision or by the authority of any of any political subdivision, district or municipality thereof, 'whether such political subdivision, district or municipality thereof operates under a freeholder's charter heretofore or hereafter approved or not.'

"This same provision is found in the act barring the employment of aliens upon public works and in the Eight Hour Law on Public Works, having been inserted in the latter act in 1931 by the legislature, which passed the prevailing rate law and the alien bill. The intention was to have all three acts which so vitally affect public work uniform so far as possible so as to simplify enforcement and have one standard policy for the entire State and so as to place all contractors on the same level as far as bidding on public works is concerned; also to protect local labor against the bringing in of cheap labor from other localities by outside contractors whose only concern was in getting the work done as cheaply as possible even though local residents and taxpayers were thrown out of work and made charges on the public. Employment of aliens fell in the same category, the obvious reason for the act being that aliens should not be permitted to be employed on public jobs when thousands of good American citizens are available, and without employment, and in many instances subjects of charity.

Nullification of Intention of Legislature Would Cause Havoc and Uncertainty

"If these laudable objects of the legislature are now to be set aside as far as chartered cities are concerned merely because of a difference of opinion as to what are 'municipal affairs' great havoc and uncertainty will result in the enforcement of all of the general laws pertaining to public works included for ready reference in the pamphlet attached to this brief.

"The court will be forced to hold, for instance, that the Eight Hour Law on Public Works is not a matter of municipal concern solely but is a matter of general concern in view of the constitutional provision on the subject, found on Page 1 of the attached pamphlet (Article XX, Section 17), which makes this law apply to 'any county, city and county, city, town, district, township, or other political subdivision of the State.' Surely no clearer expression of the desire of the people that the eight hour law on pub-

lie works apply to chartered cities could be asked for. If then the hours of employment are a matter of general concern why are not the wages to be paid or the citizenship of the worker? Can the court consistently hold that one of these acts apply to chartered cities as it will be forced to do because of the express constitutional provision making it applicable, and at the same time hold that the other two pertaining to the same subject matter do not apply?

"Moreover, is the court now to invalidate by implication the act prohibiting the employment of aliens directly by a chartered city? Statute of 1915, Chapter 417, as amended by Statutes of 1921, Chapter 366, found on Page 4 of the attached pamphlet) which act has now been in force for the last sixteen years without question?

"Would it not be more consistent to say that all of these matters pertaining to employees on public work are matters of general concern concerning which the legislature has been given express power to legislate by the provisions of Sect. 17½, Article XX of the State Constitution, quoted in full above, which provisions call for a special rule covering this subject? The Supreme Court of the United States has so held and we respectfully submit that no sounder rule could be laid down for the guidance of all courts of the land on the express point at issue than the rule laid down by the highest tribunal in the country when it said in two different decisions:

"It belongs to the state, as the guardian and trustee of its people, and having control of its affairs, to prescribe the conditions upon which it will permit public work to be done on its behalf, or on behalf of its municipalities. No court has authority to review its action in that respect. Regulations on this subject suggest only considerations of public policy. And with such considerations the courts have no concern." *Atkins vs. Kansas*, 191 U. S. 297 (1902); *Heim vs. McCall*, 239 U. S. 175 (1915).

Conclusion

"Surely the court will not, at this late date, reverse the established rule in this State and in the United States that the State has the power to prescribe the conditions upon which it will permit public work to be done by its municipalities, which power has been expressly delegated to the Legislature in this State by the provisions of Sect. 17, Article XX, and Sect. 17½, Article XX, referred to above, and which power the Legislature has exercised without question since 1897 when it passed the minimum rate law of two dollars per day on public works (Stats. 1897, P. 90, superseded by the prevailing rate law and repealed by Stats. 1931, Chap. 396), which law has always been complied with by all chartered cities of the State. The Eight Hour Law on Public Works has always been enforced by the State Division of Labor Statistics and Law Enforcement against chartered cities ever since it was passed in 1905, which is a period of 26 years, and the act prohibiting the employment of aliens directly by a public body has been enforced against chartered cities ever since it was passed in 1915, which is a period of 16 years. Court decisions with which this Honorable Court is thoroughly familiar give great weight to practices of this kind sanctioned by public opinion for many years and give the court wide latitude in upholding such legislation, especially when two constitutional provisions sanction it and only one can be in any way interpreted as prohibiting it, not by express provision but by reading into it a matter of personal opinion as

to whether or not the subject in question is or is not a matter of local or general concern. Surely personal opinions should give way in a matter so important as this to the rule laid down by the United States Supreme Court 28 years ago and reiterated 16 years ago in a unanimous decision and to the express mandate of the people of the State of California embodied in the organic law of the State in the Constitution of 1879 (Sect. 17, Article XX) and in the amendment to the Constitution adopted in 1914 (Sect. 17½, Art. XX, supra).

MILLER TO MANAGE ASPHALT INSTITUTE

Daniel B. Miller has been appointed managing engineer in charge of Pacific Coast activities for the Asphalt Institute of New York. Miller will maintain offices at 206 Sansome Street, San Francisco.

Miller is well known on the Pacific Coast where since 1923, he has been associated in an engineering advisory capacity with several of the larger surety companies operating in this territory. He is also prominent in military circles in connection with his duties as a lieutenant colonel of the U. S. Army Infantry Reserve. Following his active duty as captain, War Plans Division, General Staff, during the World War, he was engaged in highway construction in the West, where, prior to coming to California, he was chief engineer of maintenance for the Wyoming State Highway Department. For the six years prior to his military service he was connected with the asphalt industry at Washington, D. C.

New Pacific Coast members of The Asphalt Institute are the Standard Oil Company of California, Union Oil Company of California, Shell Oil Company, Associated Oil Company and Gilmore Oil Company, Ltd.

PORTLAND COUNCIL TO AID ENGINEERS

Financial relief for unemployed engineers in distress and jobs for such of them as can be placed are the principal objects of organization machinery that has been set in motion in Portland, Ore., by the Oregon Technical Council, composed of representatives of all the engineering groups. Its machinery has been set up to take care of all classes of engineers in lieu of having separate plans for each group.

The plan contemplates taking subscriptions from employed engineers monthly for six months, adding to these such funds as can be raised elsewhere and thus creating a fund to loan to needy unemployed engineers at 4 per cent interest. It is expected that these loans will be repaid and proportionate returns made to subscribers.

SEATTLE BUILDING LOWEST SINCE 1917

Seattle building construction declined sharply during the last year. The value of work called for in permits issued was \$9,229,600 as compared to \$30,831,125 in 1930. The permit for Seattle's new \$2,250,000 federal building is not included in the 1931 totals.

There were 5711 permits issued here in 1931. Included in the year's activity was the construction of 394 new residences at a total cost of \$2,987,605.

The year 1931 was the dulliest twelve month in Seattle's building history since 1917.

INDUSTRIAL ASSN. ELECTS OFFICERS

George W. Kelham, architect, was re-elected president of the Industrial Association of San Francisco at the annual meeting of the directors of that body last Tuesday.

Other officers, elected to serve for the ensuing year are J. E. Cushing, vice-president; Robert G. Hooker Jr., secretary, and J. W. Maillard Jr., treasurer. Albert E. Boynton was re-elected managing director.

Directors elected were: Wallace M. Alexander, president; Alexander and Baldwin, Ltd.; F. W. Bradley, mining; Colbert Coldwell, Colwell, Cornwall & Banker; James A. Cranston, Com. vice-president, General Electric Co.; J. E. Cushing, vice-president and general manager, American-Hawaiian Steamship Co.; Geo. R. Gay, general manager, Santa Cruz Portland Cement Co.; Robert G. Hooker Jr., assistant to the president, Gladding, McBean & Co.; Geo. W. Kelham, architect; Frederick J. Koster, president, California Barrel Co., Inc.; J. W. Maillard Jr., Maillard & Schmiedel; Charles R. Page, vice-president, Fireman's Fund Insurance Co.; F. S. McGinnis, vice-president, Southern Pacific Co.; R. S. Shainwald, president, The Paraffine Companies, Inc.; J. H. Threlkeld, general manager, Threlkeld Commissaries; A. E. Wishon, vice-president and assistant general manager, Pacific Gas & Electric Company.

PORTLAND CHAPTER OF A. G. C. ELECTS

Paul L. Crooks of P. L. Crooks and Company was elected president of the Portland Chapter, Associated General Contractors of America, at the annual meeting of that body held in the Multnomah Hotel, Portland. Ross B. Hammond was elected first vice-president and chairman of the building division and Philip Hart of the Pacific Bridge Company, second vice-president and chairman of the public works division. J. A. Lyons was re-elected treasurer.

The board of directors elected consists of the following:

T. W. Baker, Baker Construction Co.; Fred Christensen, Fred Christensen, Inc.; T. H. Banfield, Parker Banfield; P. L. Crooks, P. L. Crooks and Co.; C. T. Parker, Parker-Schram Co.; H. A. Dick, Gilpin Construction Co.; W. T. Jacobsen, Jacobsen-Jensen; R. F. Hoffmark, A. Gutierrez & Co.; J. C. Compton, R. B. Hamann; P. L. Dolph, L. H. Hoffman Co.; G. B. Kibbe, Kern & Kibbe; W. H. Feigenson, Lindstrom & Feigenson; J. A. Lyons; Philip Hart, Pacific Bridge Co.; Robert Wallace, Robertson, Hay & Wallace; Gilbert Shea, J. F. Shea & Co.; M. J. Lynch, United Contracting Co.; Cal Stebinger, Stebinger Bros.

LE TOURNEAU OPENS BRANCH IN PORTLAND

L. D. LeTourneau, Northwest field representative of the LeTourneau Equipment Co., of Stockton, Calif., dealers in heavy grading equipment, has open offices in the Porter Building, Portland, Ore., where the Loggers and Contractors Machinery Company will act as distributors for the LeTourneau line in that territory.

The factory of the LeTourneau interests is located at Stockton. The company manufactures a complete line of dump carts, scrapers, bulldozers, rosters, rollers and other heavy road equipment.

THE OBSERVER

What He Hears and Sees on His Rounds

This writer admits that old man Business D. Pression put a kink in things during the past year—but we all took it. He hit us many a hard wallop but we took them. What he has lined up on his 1932 almanac—we don't know—but we'll take it.

We have prepared a program and we are going to stick by it. If you would be successful in 1932 join us.

We are prepared for a year of close application to business—a year of careful thinking—and both of these will be followed by aggressive action.

Let those who hold jobs work at them and win their way to a position where they will become indispensable.

Let those who would start in business on the proverbial shoestring wait a while longer. It is not going to be their year. The fellow who is seeking to get by without actually producing something worth while will find 1932 unfriendly.

The coming year will not be a year for the fellow whose ambition exceeds his grasp. It will be a year for the industrious, aggressive, thoughtful men who are content to move along at a normal rate, gaining speed as they go.

On that basis we are willing to predict that 1932 will be a fairly good year.

Portland, Ore., proposes to tell its citizens that now is the time to build. Statistics compiled by the Federal Government and local interests will be used in the campaign to show that Portland is three years behind its building of residential units. Data in hand will show that there is need for 10,000 new units.

In addition to the radio, speakers will address local civic clubs and fraternal organizations. Newspapers also will be used to spread the story of why Portland should proceed with a home building campaign.

Claim is made that five thousand building mechanics are out of work. Building costs, the speakers will point out, are about twenty-five per cent lower than they have been. Portland has been underbuilding for the past four years, the speakers will say.

These facts should convince those who are able to finance a home that "now is the time to build."

Unemployment would vanish if industry adopted the five-day week. Wm. Green, president of the American Federation of Labor, told the La Follette committee of the Senate.

Green vigorously attacked bankers and other industrialists who cut wages. He declared that if all the "employable persons" in the United States had a job the amount of work for each one would average just thirty-five hours a week. This, he said, should be spread over five days of seven hours each.

Plumbers and steam fitters of Milwaukee recently voted to reduce their pay. The plumbers have accepted \$8.00 a day instead of \$9.50 and the steamfitters agreed to take 98% cents an hour instead of \$1.06 1/2.

The proposed Pacific Highway from Blaine, Wash., to Fairbanks, Alaska, opening up the interior of Alaska to both Canadian and United States Commerce, will cost \$14,300,000, according to Ernest W. Sawyer, member of the international highway commission.

Sawyer, just back from a survey of the territory through which the highway will run, reports it will open up 370,000,000 acres of land along its 2,225-mile course.

The highway is completed from Blaine to Hazelton, B. C., but from that point onward the road must be built through virgin territory.

Corporation Counsel A. C. Van Soelen has ruled that if Seattle voters should adopt the proposed amendment to the city charter barring from city civil service employment married women and men whose wives are earning a living wage anywhere, it would be valid and stand test in the courts.

Chicago, Ill., plans to adopt the 5-day week and the 6-hour day to enable the city to keep within its 1932 revenue without drastic payroll slashes. The plan, it is said, would save the city about \$7,000,000 per year. The proposal would affect 85 per cent of the city workers, including the police department, but not the fire department. Under it, all employees would work thirty to thirty-two hours a week, and would be paid on the five-day basis.

Permits from the office of the city plumbing inspector are now required in the city of Stockton before installation of gas fixtures are undertaken. It is announced by C. W. Genuit, city plumbing inspector. The work must be done by a gas fitter holding a city license to install such appliances. The operating license is required in Ordinance No. 1243, passed by the city council last November.

With about \$45,000,000 available for road construction in Texas during 1932, the state highway commission is already making plans for carrying out an improvement program. Employment will be given to about 75,000 men. Of the \$45,000,000 available, \$24,000,000 will be derived from the sales tax on gasoline, \$4,000,000 from motor vehicle registration fees, \$6,500,000 from federal aid and the remainder from county bond issues.

Wellman Engineering Co., Cleveland, Ohio, has acquired the clamshell and trailer business of the G. H. Williams Co., Erie, Pa. Manufacturing activities have been transferred to Cleveland. Several Williams officials, including W. C. Swalley, secretary and general manager; A. J. Lichtner, assistant manager; C. F. Weiblen, sales manager, and P. T. Robin, chief engineer, will be associated with the Wellman company.

The board of water and power commissioners of Los Angeles will call soon for bids for the construction of a 60,000-kw. steam-generating plant to be erected at Wilmington, Los Angeles harbor. The estimated cost of the plant, to be the first unit of a pro-

posed three-unit plant with ultimate capacity of 180,000-kw., is \$7,000,000. There is on hand, it is announced, about \$1,000,000 and it is expected that the rest of the cost of the initial unit will be paid for out of earnings.

The Detroit, Michigan, city council has voted to reduce the salaries of all city employees from 10 to 17 per cent. The plan, councilmen said, will save \$1,500,000 a year. They declared the cuts insured from financiers in meeting payrolls.

California architects will collect more than \$120,000 in fees for preparing plans and specifications for public buildings in this state.

Plans for the Oakland postoffice and some others were prepared in the office of the supervising architect at Washington, but in nine other cities local architects were employed.

As estimated by the supervising architect, their fees will be: Starks and Flanders, Sacramento, \$46,000; Bliss & Fairweather, Stockton, \$20,800; George Lindsay, Glendale, \$14,400; John J. Donovan, Marysville, \$5520; Allison & Allison, Merced, \$7500; Fred H. Meyer, Oroville, \$5855; Birge M. Clark, Palo Alto, \$6930; Reed & Corbett, Napa, \$5,760; Dean & Dean, Vallejo, \$7368.

Voluntary wage cuts on the part of employees in the building trades is becoming about as popular in the columns of the daily press as are the developments in the Mahatma Gandhi squabble.

Last week in Stockton the carpenters' union voted a voluntary cut of \$1 a day, with the plumbers' union following with a similar cut.

Steps are being taken in Portland, Ore., to reduce the wages of all crafts. Similar steps are being taken at Visalia, Calif.

Voluntary wage cuts on the parts of the building trades are reported from practically every section of the country.

Now comes word from Spokane, Wash., that the plumbers when asked to accept a wage reduction from \$10 to \$8 a day, went the petitioners one better by voting to accept \$5 a day. Officials of the union are of the opinion that such a reduction should help to stimulate not only the plumbing business, but business generally.

Although the general pace of progress may seem to have been somewhat retarded during the past year, a review of the separate activities reveals that science and engineering have maintained a steady forward march and left a number of notable milestones to mark their advance during the year.

S. M. Kintner, vice-president in charge of engineering for the Westinghouse Electric and Manufacturing Co., says: "Technical progress has continued to work toward producing more of what men need and from the record of technical achievements in 1931, no one would suspect the existence of industrial depression."

Looking into the future, Kintner adds "Business and the economic balance will be restored as soon as the world adjusts itself adequately to the new age which inventions and engineers have brought upon it so swiftly."

Summarizing some of the outstanding scientific achievements of Westinghouse during 1931, he points out that the country's power supply has been increased by great hydro-electric installations, including the largest generators ever built for such service in this country, ground has been gained in the long war against lightning as a menace to electrical service.

HERE—THERE EVERYWHERE

Armand F. Marion has been reappointed by Mayor Robert H. Harlin of Seattle as superintendent of the Municipal Water Department for a full 3-year term ending Dec. 31, 1934. The appointment has been confirmed by the city council.

West Coast mills are holding down production, 224 mills reporting a cut of 67,883,000 feet for the week ended December 12. Shipments for the same period were 72,156,000 feet and new orders were 72,932,000 feet, or 7.44 per cent over production.

John Hendricks, 61, contractor of Red Bluff, died in that city, December 27. Hendricks was associated with his brother, Frank Hendricks, in the contracting business.

Ralph G. Wadsworth, for the past sixteen years associated with F. H. Tibbetts, consulting engineer, of San Francisco, has established his own office in Oakland.

Architects seeking a commission to prepare plans for the proposed new county jail to be erected in Santa Cruz, have been advised by the county supervisors that no definite move will be made on the project at this time.

More than 700 power station employees of the Duquesne Light Company, in spite of danger of electrical contact or injury from machinery have established a new safety record at Pittsburgh Pa. The men worked 1,700,000 man-hours in a twelve-month period without a lost time accident. Hazards which the employees sometimes face include suffocating gases.

Reports are current at Oroville, Calif., that the Feather River Pine Mills, destroyed by fire in 1928, will be rebuilt at Feather River Falls, 22 miles east of Oroville. The old plant which was located three miles east of Oroville suffered a \$2,500,000 fire loss and insurance adjustments are said to have totaled approximately \$1,500,000.

F. P. Basler of the Mathews Construction Co., has filed an answer cross-complaint in the superior court at Sacramento to the suit brought against him by G. K. Poulos. Poulos is seeking to recover \$1425, which he alleges Basler owes him for work done on a highway job in Lassen County. Basler counters in his cross-complaint that the bad management of Poulos caused him to lose \$40,000. Poulos was in charge of the construction.

George Simpson Koyle of New York City, architect, has been elected professor of architecture and dean of the School of Fine Arts of the University of Pennsylvania, according to word from Philadelphia.

The date of the Twenty-seventh Annual Convention of the California Building-Loan League has been definitely set by the Executive Committee for May 5-6-7, 1932, according to Neill Davis, secretary. Riverside will be host for the first time to the state organization, which met this year at Del Monte. Arrangements are being made for Convention delegates to attend the Ramona Pageant in addition to other entertainment features. The

business sessions are expected to attract approximately five hundred delegates.

Chicago roofing contractors are working under a split agreement with their workmen. On new work the wage remains at \$1.70 an hour. On old work, the roofers work four hours at \$1.70 an hour wage and the other four at \$1.00 an hour, an agreed helper's wage.

R. H. Stalnaker, equipment engineer for the California State Highway Commission, will represent that body at the annual conference of the American Road Builders' Association in Detroit, January 11 to 15.

Eight thousand carpenters of Boston, Mass., agreed a 20 per cent reduction in wages on January 1. The scale is \$1.37½ per hour and will continue until April 1 of this year.

Cleaver-Brooks Co., Milwaukee, Wis., has been organized to manufacture and market equipment for heating bituminous materials, aggregates and water for central mixing plants, for central proportioning plants on large construction work where winter mixing of concrete is carried on, and for furnishing hot water to industrial plants. J. C. Cleaver is president and R. E. Brooks is secretary-treasurer.

Because of alleged failure to comply with an order of the Building and Safety Commission to revise the Los Angeles electrical ordinance, R. H. Manahan, city electrician in charge of electrical inspection, received notice of suspension for three months without pay from the commission. It was reported to the civil service commission.

A new suit to invalidate the \$220,000,000 bond issue of the Metropolitan Water District has been filed in the Superior Court at Los Angeles by Katherine K. Buck, taxpayer. A recent decision of the Superior Court, rendered by Judge K. S. Mahon, declared the procedure in the bond election was legal and that the issue was valid. The case may be carried to the Supreme Court to facilitate the construction of the aqueduct.

Chas. Gilman Hyde, professor of sanitary engineering at the University of California, has been appointed consulting engineer of the San Francisco Department of Public Health. Professor Hyde will head a newly organized division to study sewage disposal, water supply and industrial hygiene. One of the first problems to be undertaken will be garbage disposal.

C. H. Purcell, State Highway Engineer, has announced that plans for the San Francisco Bay Bridge will probably not be completed before January 1, 1933, and that four years have been allowed for completion of the bridge, according to the present estimates. About fifty-five engineers are working on the plans and surveys. The total estimated cost is \$75,000,000. Contracts for borings on the site of the bridge have been let and are now under way.

A new process of converting sawdust into briquets yields a product twice as heavy as coal. In addition to compression, a swirling motion is used in the device for making the briquets which folds the minute particles of the sawdust into layers. R. T. Bowling, chief engineer of the Clearwater Forest Products plant at Lewiston, Idaho, is inventor of the machine.

American Builder and Building Age (Chicago), estimates that \$4,312,859,019 was spent for construction in the United States during 1931. This was slightly more than half the average for the preceding five years.

The magazine estimated that 317,555 buildings were erected during the year.

Cost of residential construction dropped 13 per cent, from \$4.90 a square foot in 1929 to \$4.27 in 1931, the magazine said, despite a "steadily progressing tendency to use more expensive equipment in dwellings of all types."

Value of different types of construction was given as follows: Residential, \$1,764,605,797; commercial, \$365,097,241; factories, \$131,101,281; educational \$257,235,318; hospitals and institutions, \$127,107,583; public, \$192,680,775; religious and memorial, \$61,171,878; social and recreational, \$115,065,739; and public works and utilities, \$1,298,772,337.

The Copper & Brass Research Association (New York), in its forecast for 1932, states that building construction in the United States will exceed that of 1931 by more than \$500,000,000.

The association estimates that the new year's construction will total about \$3,420,000,000 compared with a total approximating \$2,909,000,000 for 1931.

Thirty-two lumber mills in California with a total capacity of 4,355,000 feet are closed according to the Four L Lumber News. Some of these mills have been idle for months and others have been closed only for the season. Those in the California pine region have a combined capacity of 3,297,000 feet and those in the redwood country have a capacity of 1,058,000 feet.

The city council of Tulare, Calif., will request the State Railroad Commission to set a valuation on the Southern California Edison Company's distributing system within the city limits which the city proposes to purchase and operate as a municipal project. Preliminary surveys made by the city place the valuation at \$112,000. A bond election will be held, probably in June, to finance the purchase.

Ernest F. DuBrul, general manager of the National Machine Tool Builders' Association since 1921, has retired from this position to engage in the private practice of consultant on finance, marketing and management.

Watrola Corporation, Ltd., has established headquarters at 557 Market St. for national distribution of its new water heater under the registered trade name "Watrola." Contract was made with the Rheem Manufacturing Company of Emeryville for production of 5000 heaters. According to Mr. Youngham, vice president of the Watrola Corp., first deliveries begin this month. Claims made for this console style heater are that of high efficiency, combined with quick acting safety devices. In this respect it is said to meet requirements of gas industries. The Watrola has been under development in San Francisco for a period of years, and will be distributed through jobbers, dealers, utilities, and major oil companies.

Elkington Manufacturing Co., 396 Seventh St., San Francisco, has issued an eight-page folder featuring the Elkington Midget Dishwashing Machine, sold in San Francisco for \$235, completely installed.

BUILDING TOTAL FOR S. F. IS \$21,372,550

San Francisco, with a total of \$751,421 for the month of December, closed the year 1931 with a building expenditure of \$21,372,550 as compared with \$2,292,888 for the month of December last year and a yearly total of \$22,726,994.

December, 1931, operations are segregated by the city Building Bureau as follows:

Class	No. of Bldgs	Est. Cost
A	1	\$
B	1	48,000
C		
Frames	73	201,225
Alterations	355	162,193
Public Bldgs.	4	150,393
Harbor Bldgs.	3	89,099
TOTAL	436	\$751,421

CONTRACTORS AT PORTLAND CUT WAGES

Building trades at Portland, Ore., on January 2 went to work under a new wage scale set up by the Building Construction Employers' Association. The new scale is effective on all work contracted or committed after that time. Work already contracted for will be completed under the old scale and working conditions.

The new scale, yet to receive the approval of the Building Trades Council, and the old scale is published here-with:

	New Scale	Old Scale
Asbestos workers	\$7.50	\$10.00
Bricklayers	9.00	12.00
Carpenters	6.75	9.00
Cement finishers	6.75	9.00
Electricians	8.00	10.00
Elevator constructors	8.30	11.29
Hoisting engineers	6.00	8.00
"	6.75	9.99
"	7.50	10.00
Hodcarriers (brick)	6.00	8.00
" (plaster)	6.75	9.00
Laborers (brick work)	4.50	6.00
" (plaster work)	6.75	9.00
Iron workers (ornament- al)	8.25	11.00
" (structural)	8.25	11.00
Building laborers	4.50	6.00
Lathers	8.25	11.00
Marble setters	9.00	12.00
Painters	6.60	8.80
Plasterers	9.00	12.00
Pile drivers	6.75	9.00
Plumbers	8.00	11.00
Roofs (composition)	6.75	9.00
" (slate and tile)	6.75	9.00
" (helpers)	4.87½	6.50
Reinf. steel workers	6.75	9.00
Sheet metal workers	7.50	10.00
Shovel runners	8.25	11.00
Sprinkler fitters	8.00	11.00
Steam fitters	8.00	11.00
Stone masons	7.50	10.00
Tile setters	7.50	10.00
Glaziers	6.50	8.50

(Hourly scale is one-eighth of the above daily scale).

SALT LAKE CITY P. O. WAGES SET

A ruling by Secretary of Labor Wm. N. Doak establishes the wage scale in connection with work being done by the Orndorff Construction Co. on the postoffice and the veterans' hospital in Salt Lake City, to conform with the prevailing scale in that city. By it the wage of plasterers is reduced from \$11 to \$10 a day and that of hoisting engineers is raised from \$5 to \$9 a day.

Secretary Doak's ruling is made under the provisions of the Bacon-Davis law.

VISALIA CONTRACTORS SEEK WAGE REDUCTIONS

General and sub-contractors of Tulare County, nineteen in all, at a meeting in Visalia last week agreed to a wage scale which they propose to pay during the present year.

The new scale provides for a cut of about 15 per cent in the present wage of most building craftsmen and laborers.

In most cases the new scale calls for a cut of \$1 a day in the wage, but a \$2 cut is called for in the case of plasterers, sheet metal workers, plumbers and bricklayers.

The contractors, according to reports, agreed on the new scale without any definite agreement to it on the part of labor unions.

It was the consensus of opinion at the meeting that a lower wage scale would reduce outside competition and result in more steady work for local mechanics.

The new and old wage scales follow:

	New Scale	Old Scale
	Per Day	Per Day
Carpenters	\$ 7.00	\$ 8.00
Painters	7.00	8.00
Cement Finishers	7.00	8.00
Plasterers	10.00	12.00
Hod Carriers	7.00	8.00
Tile Setters	9.00	10.00
Sheet Metal Workers and Plumbers	8.00	10.00
Roofers	7.00	8.00
Lathers	8.00	10.00
Electricians	7.00	8.00
Brick Layers	10.00	12.00
Millmen	6.50	7.50
	Per Thousand	Per Thousand
Wood Lath	5.00	7.00
	Per Day	Per Day
Metal Lath	.08	.10

Stating that the proposed wage cuts is only the opinion of a minority, members of the Visalia Building Trades Council, disapproved of the reductions. The council declares that the long intervals between jobs more than overbalance the seemingly high wages. It was stated that while the carpenter receives \$8 a day his average monthly income rarely exceeds \$60. Members of the Building Trades Council, however, agree to a cut of 12½ per cent if the worst comes from the general public—Editor.

PACIFIC COAST AGGREGATES PLANS TO PROVIDE FUNDS

Directors of Pacific Coast Aggregates, Inc., has notified holders of first mortgage bonds and debentures of the company that a readjustment of the fixed charges of the concern has been prepared in co-operation with representatives of security holders.

The plan proposes that interest and sinking fund payments on the first mortgage bonds for 1932, 1933 and 1934 be so modified as to be payable solely from net income, with the requirements on the debentures for the same period payable from any income remaining after payments on the first mortgage bonds.

The company said the relief expected probably will enable the company to pay half of the interest due January 1st on the first mortgage bonds in cash and to make further payments during the three-year period out of available net income.

The concern declared the move was necessary because of insufficient working capital with which to continue operations and pay in full the semi-annual interest and sinking fund payments.

STOCKTON PLUMBERS VOTE WAGE REDUCTION

Following the lead of the Carpenters' Union of Stockton, Plumbers' Local No. 484 of that city, has voted to accept a wage cut of \$1 a day, reducing the scale from \$9.50 to \$8.50. The reduction became effective January 4.

The decision of the plumbing craftsmen to accept a reduction was reached after a series of conferences between master plumbers and a committee representing the union. The move is said to be designed to enable union members to meet the competition of unorganized plumbers.

P. M. Bosnace, president of the master plumbers, announced the agreement.

The Carpenters' local voted to accept a cut in daily wage from \$9 to \$8.

Reports are to the effect that the Sheet Metal Workers of Stockton propose to vote a reduction in pay.

SURVEY REVEALS HOME BUILDING IN OAKLAND INCREASING

A substantial increase over last year's record in the relative volume of residential construction and of public buildings is shown by analysis of the Oakland building statistics for 1931, made by the Oakland Real Estate board.

Building permits for single-family homes run nearly \$150,000 more than for 1930 while construction of public buildings totals nearly \$1,400,000 more than did the same class of construction last year, the data shows.

The following table gives the cost of building permits issued in the city of Oakland for major classifications of construction for the two years, and shows the percentage of the annual total each class represents.

The 1931 figures are based on official reports for 11 months and an estimate for December.

	1930	%	1931	%
Single-family dwellings	\$2,057,482	22.1	\$2,202,160	30.5
Multi-family housing	1,981,874	21.4	1,950,400	28.0
Commercial	2,081,954	22.5	1,221,000	17.0
Public building	303,400	3.2	1,693,350	24.3
Industrial				
const.	1,015,815	10.9	133,630	.04
Misc.	1,128,233	12.2	429,180	.07
Alterations & repairs	716,000	7.7	570,070	.09
Total	\$9,284,758		\$7,199,780	

New construction represents approximately 92 per cent of the total for which permits have been issued. During 1930 a total of \$8,568,753 of new construction was accounted for and \$6,629,700 during 1931.

ASTORIA ORGANIZES BUILDING CONGRESS

A chapter of the Oregon Building Congress has been organized at Astoria, Ore. Officers will be elected at a meeting to be held in the Labor Temple at Astoria next Saturday night.

The primary purpose of the movement is to gather into one organization all of the various industry, contractors, painters, plumbers, carpenters, materialmen, architects, electricians, real estate operators, building and loan organizations and others. With the organization completed, the chapter will launch a movement to stimulate the building program of the community.

MASS PRODUCTION PROPOSED AS MEANS FOR LOW COST DWELLINGS

The Committee on Large Scale Operations proposed to the President's Conference on Home Building and Home Ownership to substitute mass production of dwellings for the present method of single-unit construction and thereby to make possible adequate housing for the vast group of clerical and industrial workers whose needs are inadequately provided for under our present methods of finance and construction. The Committee defined large scale operation as "The application of the best technical experience and business practice to the production, ownership, and operation on a sound economy-producing basis of low cost dwellings of desirable standards, planned so as to provide socially integrated communities." It has been and can be applied successfully to the construction of single-family dwellings, multiple dwellings, and combinations of these.

The present methods of small scale housing, the Committee said, have failed to meet the present need both in quality and in cost. The Committee listed five principle advantages of large scale operation:

1. It is economical, treating the land in large blocks and so avoiding a multitude of commissions and carrying charges.

2. It is modern, and so provides for gardens, playgrounds, schools, and other community buildings.

3. It is efficiently designed, and so utilizes to the maximum all space inside and outside the walls of the house.

4. It is a good investment because it dispenses with the multitude of small scale operations and permits careful scrutiny and appraisal and because, by creating neighborhoods of a homogeneous character, it guards against deterioration.

5. It offers low rents, because financing of such projects would be easier and cheaper, and because factors mentioned above will reduce cost.

To permit successful development of large scale operation the Committee stated that certain legislative and other regulatory restrictions would have to be removed. For example some cities restrict the corporate ownership of real estate both as to the amount of land and the length of holding. Also, in some cities building codes are now too rigid to permit desirable freedom in design and the use of materials consistent with safety, health and fire protection. The Committee further recommended tax exemption under adequate restrictions to limited dividend corporations engage in large scale operations.

In addition, certain changes in building practice will be necessary to successful large scale operation, the Committee said. These changes include unrestricted use of improved tools, materials, and methods; and unrestricted prefabrication.

Further, since the necessity of assembling large areas of land at reasonable cost at present limits large scale operation, the Committee urge the extension of condemnation privileges—such as are now being granted to railways, public utilities, and cemeteries—to large-scale, low-cost housing development. This is already being tried in Newark, New Jersey.

Most necessary of all, the Committee stated, is a plentiful supply of money at low interest rates. The Committee conservatively estimates that by lowering costs of new construction to reach a new field of even 100% of our population, expenditure of five and one-half billion dollars will

be required. The Committee suggested certain means by which this might be accomplished.

As large scale operation attempts to reach the marginal group with family incomes insufficient to provide a decent modern home, governmental action must take on a more positive character than the establishment of building codes and safeguarding of property investments, the Committee said.

The Committee has made a survey of many large scale housing projects in this country and has found that they have been financed economically with resultant reduction in rents to the tenants, and that they have provided more spacious and comfortable housing than is furnished by small scale operations at comparable costs and rents.

In conclusion the Committee stated that the creation of large scale operating companies offers the means to the production of attractive living units at a rent which the low-wage group can afford to pay. "They would have the continuing real estate life necessary to master the whole problem. Their interest would be not merely that of the architect occasionally called upon to design a housing unit; not merely that of the contractor building honestly and well, but more or less estopped from suggestion as to design for economy; not merely that of prominent citizens desirous of bettering conditions for the low-wage group, but without particular knowledge of all the problems. Rather it would be a continuing life and activity, combining every element which should make for business-like progress, for sound planning and economy in the production and management of community housing projects."

"Such companies will not create themselves. A definite plan for their creation, and for financing the operation must be laid down. Individual investors must be convinced of the need, must be assured of government cooperation, and satisfied that the company in which they are to invest can be and will be conducted on a sound business basis.

OREGON ARCHITECTS TO RE-ELECT OFFICERS

This year's officers of the Oregon Chapter of the American Institute of Architects have been nominated to hold the same offices in 1932. The election will be held on January 19.

The officers are: Harold W. Doty, president; Fred Aandahl, vice-president; W. H. Crowell, secretary, and Harry Herzog, treasurer. C. H. Wall-work was nominated as trustee to take the place of A. Glenn Stanton, whose term expires. The other trustees are Jamieson Parker and W. G. Holford.

Members of the nominating committee are: W. H. Crowell, Thayne J. Logan, Morris Whitehouse, John S. Schneider and W. G. Holford.

Ferrous Flanged Valve Dimensions are the subject of a standard practice tentatively recommended for adoption as an American standard by a subcommittee of the Sectional Committee on the Standardization of Pipe Flanges and Fittings. Gate, globe and angle valves are included. This tentative proposal is being distributed for criticism and comment by C. B. LePage, assistant secretary, A.S.M.E. 20 West 39th St., New York City.

C. W. WOOD HEADS LOCAL A. G. C. BODY

Clyde W. Wood of Stockton, was elected president of the Northern California Chapter, Associated General Contractors of America, at a recent meeting of the board of directors.

Geo. G. Pollock of Sacramento, was elected vice-president, and Floyd O. Booe, re-elected secretary-manager.

New directors to serve the Chapter during the ensuing year are Clyde W. Wood, Geo. G. Pollock, A. J. Crocker, R. D. Watson, John Phillips, K. K. Bechtel and Adolph Teichert, Jr.

G. G. BRIDGE TO GET CITY MONEY

A writ of mandate directing City Auditor Wentworth and City Treasurer Matheson to pay to the Golden Gate Bridge and Highway District the portion of San Francisco's personal property taxes allocated to the district for 1929 and 1930, was issued last Tuesday by Superior Judge F. A. Griffin.

As a result, the bridge district will receive \$43,436.51, of which \$25,747.87 is its share of the 1929 tax and \$17,688.44, its allocation from the 1930 tax.

TOM SCOTT JOINS READY-MIX CONCRETE

Tom Scott, for the past two years sales representative of the Kaiser Paving Company in San Francisco and in the Peninsula district, effective Jan. 1, will represent the Ready-Mix Concrete Company in San Francisco.

Scott has a host of friends in the construction fraternity in this section and his association with the Ready-Mix Concrete interests will be of especial interest to the trades engaged in concrete construction.

PORTLAND BUILDING IN 1931 DECLINES

Building permits at Portland, Ore., for the year 1931 reached the lowest level in a number of years with only 4521 permits issued, representing a total valuation of \$5,977,625. These figures show a decided drop from those of 1930, when there were 6943 permits issued at a total valuation of \$12,051,580. A substantial part of the total figure is made up of repair and alteration work.

During 1931 there were 12,237 electrical permits for work costing \$1,546,240 and 4054 plumbing permits for projects costing \$177,110, against these figures are the totals of 1930 showing 13,518 electrical permits valued at \$1,963,813 and 5593 plumbing permits valued at \$903,347.

MUNY SALARY CUTS PLAN AT STOCKTON

Walter B. Hogan, city manager of Stockton, in a report to the city council recommends salary cuts of monthly employees as follows: Building inspector, plumbing inspector and electrical inspector, \$240 from \$250; assistant electrical engineer, \$190 from \$200; assistant engineer, \$265 from \$275; bridge tenders, \$100 from \$125; city hall engineer, \$140 from \$150; auditorium engineer, \$165 from \$175; police and fire alarm electrician, \$200 from \$225; caretaker at Hogan dam, \$120 from \$130; chief operator at sewage disposal plant, \$165 from \$175; assistant operator, \$140 from \$150; assistant superintendent of streets, \$165 from \$175; draftsman, \$180 from \$190.

Building News Section

APARTMENTS

Plans Being Figured.
APARTMENTS Cost, \$150,000
STOCKTON, San Joaquin Co., Cal.
 N. El Dorado and Avenida Sts.
 Five-story and basement steel frame
 apartments and stores (32 apts.)
 brick exterior walls.
 Owner—Senator Frank S. Boggs.
 Consulting Structural Engineers—
 Couchot & Rosenwald, 625 Market
 St., San Francisco.
 About one week will be allowed for
 figuring the plans.

Structural Steel Contract Awarded.
APARTMENTS Cost, \$—
SAN FRANCISCO, N. Pacific Avenue
 161-3 W Webster Street.
 Four-story and basement steel frame
 and concrete apartments (16 4-
 room apts.; concrete walls, com-
 position roof, elevator, steam
 heating system, hardwood floors,
 colored tile baths and kitchens.
 Owner and Builder—L. D. Stoff, 26
 Montgomery Street.
 Architect—H. C. Baumann, 251 Kear-
 ny Street.
Structural Steel—McClintic - Marshall
 Co., 2050 Bryant St.

Plans Being Completed.
APTS. & STORES Cost, \$35,000
SAN FRANCISCO, Mission Street.
 Three-story wood frame apartments
 and stores (35 rooms, 2- and 3-
 room apts., 4 stores).
 Owner—Withheld.
 Architect—Oscar Thayer, Room 704,
 381 Bush Street.
 Bids will be taken within a few days.

To Be Done By Day's Work.
ALTER APT. Cost, \$8000
SAN FRANCISCO, California Street
 near Hyde Street.
 Alterations to three-story frame and
 stucco apartment (new gas fur-
 nace, move partitions, tile work,
 painting, decorating, plastering,
 linoleum, etc.)
 Owner—Dr. A. W. Morton, 1055 Pine
 Street.
 Architect—A. H. Knoll, Hearst Bldg.
 Sub-bids will be taken on the prem-
 ises.

Plans Being Completed.
REMODEL APTS. Cost, \$10,000
SAN FRANCISCO, California Street.
 Remodel three-story frame apartments
 and stores (work involves new
 electric refrigerator, new store
 fronts, hardwood floors, new
 plumbing fixtures, painting and
 papering, light fixtures, etc.)
 Owner—Withheld.
 Architect—Oscar Thayer, Room 704,
 381 Bush Street.
 Bids will be taken within a few
 days.

Sub-Contracts Awarded.
APARTMENTS Cost, \$—
SAN FRANCISCO, N. Pacific Avenue
 161-3 Webster Street.
 Four-story and basement steel frame
 and concrete apartments (16 4-
 room apts.; concrete walls, com-
 position roof, elevator, steam
 heating system, hardwood floors,
 colored tile baths and kitchens.
 Owner and Builder—L. D. Stoff, 26
 Montgomery Street.
 Architect—H. C. Baumann, 251 Kear-
 ny Street.

Concrete—California Concrete Co., 1632
 Steiner Street.
Reinforcing Steel—Gunn, Carle & Co.,
 444 Market St.
Structural Steel—McClintic - Marshall
 Co., 2050 Bryant St.

BONDS

McARTHUR, Shasta Co., Cal.—Elec-
 tion will be held January 12 in the
 McArthur School District to vote
 bonds of \$4,000 to finance erection of a
 new school.

CHURCHES

Low Bidder
CHURCH Cost, \$—
LAS VEGAS, Nevada. Ninth and
 Clark Streets.
 Concrete and brick church (to seat
 350) steel sash, asbestos shingle
 roof, cement floor, steel truss roof,
 wood joists and rafters, oak inter-
 ior trim, maple floors, warm air
 heating plant.
 Owner—Church of the Latter Day
 Saints.
 Architect—Ashton & Evans, Salt Lake
 City, Utah.
Low Bidder—Ashton Improvement Co.,
 Salt Lake City, Utah, at \$42,700.
 The plans will be revised to bring
 the cost within \$40,000 and the con-
 tract will be awarded to the above low
 bidder.

Plans To Be Prepared.
CHURCH ADDITION Cost, \$5000
HAYWARD, Alameda Co., Calif.
 Wood frame addition to present
 church (auditorium to seat 250).
 Owner—Presbyterian Church (Rev. W.
 Aulcay Pankey, pastor), Hayward.
 Architect—Irwin M. Johnson, 2215 7th
 Ave., Oakland.
 The board of trustees consists of
 Charles S. Long, Jr., president; Dr. N.
 E. Clemens, Walter Flierl, Mrs. J. H.
 Strobridge, Sophus Sorensen, T. B.
 Russell, Jr., and A. O. Pimentel.

Contract Awarded.
CHAPEL Cost, \$—
ALTADENA, Los Angeles Co., Calif.
 2300 N Marengo Street.
 Three-story and basement reinforced
 concrete chapel (to seat 200; 150x
 55-ft.)

SKILSAW Portable Electric Hand
 Saws (4 models).

SKILSAW Portable Electric Sander
SKILSAW Radial Arm Attach-
 ments.

SYNTRON Portable Electric Ham-
 mers (4 models, motor-
 less).

MALL Flexible Shaft Machines (50
 models).

Electric Drills, Grinders, Buffers,
 Routers, Lock Mortisers.

PETER H. NELSON

Labor Saving Portable Electric
 Tools.

1248 Mission St. **UNDERHILL**
 San Francisco 7062
SALES . SERVICE . RENTALS

Owner—Mountain View Mausoleum Co.
 Architect—Clarence N. Jay, 871 East
 Washington St., Pasadena.
 Contractor—Cecil E. Bryan, 2300 N
 Marengo St., Altadena.

FACTORIES AND WARE- HOUSES

Sub-Bids Being Taken.
LAUNDRY Cost, \$13,600
SAN MATEO, San Mateo Co., Cal.
 San Mateo Drive.
 Two-story reinforced concrete laundry
 Owner—Burlingame French Laundry
 (Victor Dutilh), 210 E. Lane St.,
 Burlingame.
 Architect—Not Given.
 Contractor—Rochex & Rochex, 11 B
 St., San Mateo.

January 4, 1932

Contract Awarded.
SLAUGHTER HOUSE Cost, \$—
HEALDSBURG, Sonoma Co., Cal. 7
 Acre Tract.
 New slaughter house.
 Owner—E. G. Roehm.
 Architect—Not Given.
 Contractor—Witter & Heitz, Healds-
 burg.

Plans Being Prepared.
TERMINAL Cost, \$300,000
SAN FRANCISCO, At rear of State
 Products Terminal Bldg. in Berry
 Street.
 Reinforced concrete Cotton Terminal.
 Owner—State of California (Harbor
 Commission) Ferry Bldg.
 Engineer—Frank G. White, Ferry
 Building.
 This project will be placed under
 construction during the current year.

IONE, Amador Co., Cal.—Kaiman
 Floor Co., 714 West Tenth St., Los
 Angeles, is prepared to furnish gen-
 eral contractors with sub-bids in con-
 nection with the Dairy Unit at the
 Preston School of Industry, Ione, bids
 for which will be opened by the State
 Department of Public Works, January
 19.

Plans Being Prepared.
STORAGE BLDG. Cost, \$90,000
UPLAND, San Bernardino Co., Calif.
 Fourth and A Sts.
 Three-story reinforced concrete stor-
 age building (140x200-ft.)
 Owner—Upland Lemon Growers' Assn.
 L. R. Bradley, secretary, Upland.
 Architect—W. W. Ache, 1616 W 4th
 St., Los Angeles.

Completing Plans.
MILK PLANT Cost, \$75,000
LOS ANGELES, Cal. SW 31st and
 Grand Ave.
 Two-story and basement reinforced
 concrete milk plant (80x150; one-
 story concrete garage (70x150-ft.;
 with wing (45x80-ft.)
 Owner—Western Holstein Farms, Inc.,
 3402 Avalon Blvd., Los Angeles.
 Architect—Chas. F. Whittlesey, 1616 S
 Vermont Ave., Los Angeles.
 Bids will be taken in about 3 weeks.

Contract Awarded.
FACTORY Cost, \$—
OROVILLE, Butte Co., Cal. Lincoln
 Street.
 One-story brick factory (20x70-ft.)
 Owner—Crescent Milk Co., 2211 Pine
 St., Oroville.

Architect—Not Given.

Contractor—E. L. Kille and Al Phelps,
960 Pomona, Oroville.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—Daniels Bros., Cambria, at \$890 submitted low bid to District Engineer, State Highway Commission, to erect maintenance station building in San Luis Obispo County, about two miles north of Cambria, consisting of: Standard truck shelter, cottage, gasoline and oil house, combination woodshed and garage, septic tank and leaching field, blacksmith shop, station sign and fence. Eight low bidders follow:
Daniels Bros., Cambria..... \$ 8,990
R. L. Houtz, Cambria..... 8,650
T. H. Johanns, San Francisco.... 9,788
O. S. Almile, San Francisco..... 9,870
Jones & Turner, Santa Maria..... 9,966
W. J. Smith, San Luis Obispo.... 10,087
T. Malino, San Luis Obispo..... 10,328
G. B. French, Atascadero..... 10,592
Twelve bids in all were submitted.

Contract Awarded:

WAREHOUSE Cost, \$25,000
SAN FRANCISCO. NW Bryant and Rincon Streets.
Three-story Class B and C warehouse. Owner—Parrinson-Pacific Parchment Co., 68 Rincon St.
Engineer—L. H. Nishkian, 525 Market Street.
Contractor—Cahill Bros., 206 Sansome Street.

FLATS

Sub-Bids Being Taken.

FLATS Cost, \$6500
SAN FRANCISCO. N Retiro St. near F. Fillmore St.
Two-story and basement frame and stucco flats (2 flats).
Owner and Builder—B. Leibman, 3675 Fillmore St., San Francisco.
Architect—F. Quandt, 2800 Fillmore St., San Francisco.

Contract Awarded.

ALTER FLATS Cost, \$6500
SAN FRANCISCO. N Fifteenth St. W. Noe St.
Alterations to two-story frame and stucco flats.
Owner—B. Peterson, 2222 15th St., San Francisco.
Architect—Not Given.
Contractor—E. Dahlberg, 1075 Holloway Ave., San Francisco.

Sub-Bids Being Taken.

FLATS Cost, \$6500
SAN FRANCISCO. N Retiro St. near F. Fillmore St.
Two-story and basement frame and stucco flats (2 flats).
Owner and Builder—B. Leibman, 3675 Fillmore St., San Francisco.
Architect—Fred W. Quandt, 2800 Filbert St., San Francisco.

Contract Awarded.

ALTER FLATS Cost, \$3000
SAN FRANCISCO. No. 1839 Church Street.
Alter two-story frame and stucco residence for flats (carpentry work, porcelain tile, plumbing, etc.)
Owner—F. Drewes, 1706 Church St., San Francisco.
Plans by B. K. Dobkowitz, 425 Monterey Blvd., San Francisco.
Contractor—J. Johnson and Son, 1614 Church St., San Francisco.

GARAGES AND SERVICE STATIONS

Contract Awarded.

GARAGE Cost, \$—
LOS ANGELES, Cal. No. 1348 Georgia Street.

One-story Class C brick garage (100x125 ft.)

Owner—Pelton Motor Co.

Architect—Norstrom & Anderson, W. M. Garland Bldg., Los Angeles.
Contractor—Calhoun & Hastings, 1150 N. Las Palmas Ave., Los Angeles.

Contract Awarded.

GARAGE, ETC. Cost, \$30,000
OAKLAND, Alameda Co., Cal. 24th and Filbert Streets.
One- and two-story reinforced concrete garage, refrigerator display room, storeroom, etc.
Owner—Union Ice Company.
Plans by Eng. Dept. of Owner.
Contractor—Lindgren and Swinerton, Inc., 225 Bush St., San Francisco.

Paving Contract Awarded.

GARAGE, ETC. Cont. price, \$20,062
WEST OAKLAND, Alameda Co., Cal. California Blvd. and Gough St.
One-story reinforced concrete garage (40x209-ft.) corrugated iron roof; one-story frame and stucco office (50x90-ft.) built-up roof, and one-story frame trailer shed (40-ft. in length).

Owner—Merchants Express & Draying Co. (Mr. Scott in charge), 1640 18th St., Oakland.
Architect—Geo. Ellinger, 1723 Webster St., Oakland.
Contractor—Nick Wierck, 1560 Alice St., Oakland.

Paving—Lee J. Immel, 1031 Evelyn St. Berkeley, \$2,996.
Other awards previously reported.

Contract Awarded.

GARAGE Cont. price, \$7699
BERKELEY, Alameda Co., Cal. Durant St. and Shattuck Ave.
One-story reinforced concrete garage (40x130-ft.; tar and gravel roof, steel rolling doors, etc.)
Owner—C. M. McLean.
Architect—W. H. Ratcliff Jr., Chamber of Commerce Bldg., Berkeley.
Lessee—University Chevrolet Co., 2349 Shattuck Ave., Berkeley.
Contractor—Connor and Connor, 1726 Grove St., Berkeley.

GOVERNMENT WORK AND SUPPLIES

PACIFIC COAST AREA—(Special from Washington, D. C.)—The following report on federal projects has been announced by the Supervising Architect, Treasury Department at Washington, D. C.:

Plans Being Prepared.

Postoffice, Yuma, Arizona, to cost \$190,000. Roy Place, Tucson, Arizona, architect.
Postoffice, Phoenix, Arizona, \$1,080,000. Lescher & Mahoney, Phoenix, Arizona, architects.
Border Station, Douglas, Arizona, \$65,000.
Postoffice, Beverly Hills, \$300,000. Ralph Flewelling, 450 N. Beverly Dr., Beverly Hills, architect.
Postoffice, Calexico, \$73,000.
Postoffice, El Centro, \$140,000.
Postoffice, Glendale, \$455,000. Geo. M. Lindsey and Erwood P. Elden, 609 Union Insurance Bldg., Los Angeles, architect.
Postoffice, Marysville, \$150,000. John J. Donovan, 1916 Broadway, Oakland, architect.
Postoffice, Merced, \$180,000. Allison & Allison, California Reserve Bldg., Los Angeles, architects.
Postoffice, Modesto, \$195,000.
Postoffice, Monterey, \$180,000. William Otis Raiguel, Del Monte, architect.
Postoffice, Palo Alto, \$210,000. Birge M. Clarke, 19 University Ave., Palo Alto, architect.
Postoffice, Petaluma, \$165,000.

Postoffice and court house, San Francisco, \$750,000. George W. Kelham, 315 Montgomery St., San Francisco, architect.

Postoffice, Napa, \$140,000. Reed & Corlett, Oakland Bank Bldg., architects.

Border station, San Ysidro, \$105,000. Border station, Tecate, \$53,500.

Postoffice, St. Johns, Oregon, \$60,000. Francis M. Stokes, Chamber of Commerce Bldg., Portland, Oregon, architects.

Postoffice, Bingham Canyon, Utah, \$75,000. Scott & Welch, Salt Lake City, architects.

Postoffice, Cedar City, Utah, \$150,000. Carman & Fetzer, Salt Lake City, Utah, architects.

Forest Service, Ogden, Utah, \$300,000. Hodgson & McClenahan, Salt Lake City, Utah, architects.

Postoffice, Tooele, Utah, \$75,000. Miles E. Miller, Salt Lake City, Utah, architect.

Postoffice, Gallup, New Mexico, \$12,000.

Postoffice, Silver City, New Mexico, \$115,000. George A. Williamson, Inc., Albuquerque, New Mexico, architects.

Postoffice, Elk, Nevada, \$140,000. Postoffice, Ely, Nevada, \$95,000.

Postoffice, Reno, Nevada, Gazette Bldg., \$565,000. Fred J. Delongchamps Reno, architect.

Postoffice, Welter, Idaho, \$110,000. Eastman Bldg., Boise, Idaho, architects.

Postoffice, Billings, Montana, \$240,000. McIver & Cohagan, Billings, architects.

Border Station, Roosevelt, Montana, \$61,000.

Postoffice, Chehalis, Washington \$150,000.

Postoffice, Longview, Washington, \$210,000. B.E.B. Gould & Graham, Seattle, Washington, architects.

Federal, Ketchikan, Alaska, \$10,000. Postoffice, Redlands, \$170,000. G. Stanley Wilson, Riverside, architect.

Postoffice, Marshfield, Oregon, \$140,000. Johnson & Wallwork, Portland, architects.

Immigration station, Honolulu, \$15,000. Herbert C. Cayton, Honolulu, T. H., architect.

Specifications Complete

Postoffice, Oroville, \$145,000. Fred H. Meyer, 525 Market St., San Francisco, architect.

Postoffice and court house, Sacramento, \$1,300,000. Starks & Flanders, Forum Bldg., Sacramento, architects.

Postoffice, Bend, Oregon, \$155,000. Postoffice and court house, Pocatello Idaho, \$220,000. Frank H. Paradise, Jr., Pocatello, Idaho, architect.

Site Accepted.

Postoffice, San Jose, \$455,000. R. Wyckoff, Growers Bank Bldg., San Jose, architect.

Postoffice, Vallejo, \$200,000. Dean & Dean, California State Life Bldg., Sacramento, architects.

Postoffice, Visalia, \$150,000. W. D. Coates, Jr., Co., Rovell Bldg., Fresno, architects.

Postoffice, Porterville, \$150,000. Postoffice, Los Angeles, \$950,000. Austin & Ashley, Chamber of Commerce Bldg., architects.

Postoffice, Los Angeles, \$70,000. **Condensing Land.**
Federal building, San Pedro, \$375,000.

SUNNYVALE, Santa Clara Co., Cal.—Until February 3, 11 A. M., under Specifications No. 6706, bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., to construct helium and boiler plant building, medium pressure helium storage structure, concrete chimney, tunnel, inverted syphon and gas holder foundation at the Na-

val Air Station, Sunnyvale. Plans obtainable from Commandant, Twelfth Naval District, 100 Harrison St., San Francisco, on deposit of \$25, returnable, checks for same to be made payable to the Chief of the Bureau of Yards and Docks.

(7558)

Three Low Bidders.
POST OFFICE Cost, \$725,000
LONG BEACH, Los Angeles Co., Cal.
Class A post office.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Three Low Bidders
Lindgren-Swinerton, Inc., 225 Bush St., San Francisco, and 523 W 6th St., Los Angeles, \$392,000.
Robert E. McKee, El Paso, \$402,700.
H. M. Baruch Corp., Los Angeles, \$415,600.

MARE ISLAND-SAN DIEGO, Cal.—Until February 3, 11 A. M., under Specification No. 6770, bids will be received by Bureau of Yards and Docks, Navy Department, Washington, D. C., for two 25-ton floating revolving boom cranes mounted on steel pontoons and operated by Diesel-electric power; 1 delivered to navy yard, Mare Island, Calif., and the other to naval operating base (destroyer base), San Diego, Calif. Deposit of \$10 required for specifications obtainable from the Commandant at Mare Island Navy Yard, checks for same to be payable to the Chief of the Bureau of Yards and Docks.

WASHINGTON, D. C.—Bids are being received by the Bureau of Supplies and Accounts, Navy Dept., Washington, D. C., to furnish materials and equipment to Pacific Coast navy yards and stations, further information on the schedules listed being obtainable from the Navy Purchasing Office, 100 Harrison St., San Francisco.

Bids Open Jan. 19

Western yards, sheet steel; sch. 7157.
Puget Sound, 43,750 lbs. sheet steel; sch. 7194.

Mare Island, 521 reams abrasive cloth; sch. 7193.

Mare Island, 1800 ft. steel wire rope, and Mare Island, 8480 ft. plow steel wire rope; sch. 7191.

San Francisco, 1 refrigerating display counter, piped for circulating brine, without refrigerating machine; sch. 7184.

Western yards, 28 electric portable pumps and spares; sch. 7170.

Western yards, steel plates; sch. 7201.

Mare Island, 48 sets plain water gages for boilers and spares; sch. 7203.

Bids Open Jan. 26

Mare Island, 12,000 ft. oil and waterproof cable; sch. 7228.

Mare Island, 80,000 lbs. titanium tetrachloride; sch. 7216.

San Francisco, 12,000 lbs. yacca gum; sch. 7215.

Mare Island, 10,000 ft. pneumatic tool hose; sch. 7214.

Plans Being Figured—Bids Close Feb. 3rd, 3 P. M.

POSTOFFICE Cost, \$140,000
BOULDER, Colorado.

Remodel and construct extension to postoffice.

Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Plans obtainable from the office of the Supervising Architect on deposit of \$25, returnable.

SUNNYVALE, Santa Clara Co., Cal.—Until January 27, 11 A. M., under Specification No. 6758, bids will be received by the Bureau of Yards and

Docks, Navy Department, Washington, D. C., for one 200,000-gallon steel water tank on 100-ft. steel tower at the Naval Air Station, Sunnyvale. Specifications obtainable from the Commandant, 12th Naval District, 100 Harrison St., San Francisco, on deposit of \$10, returnable, checks for same to be made payable to the Chief of the Bureau of Yards and Docks.

SACRAMENTO, Cal.—Until January 15, 3 P. M., under Order No. 4082-1906, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County:

- (1) 1000 ft. copper wire, solid, No. 12, double braid rubber covered;
- (2) 500 ft. same as Item 1, except No. 10;
- (3) 1000 do. No. 14;
- (4) 500 ft. copper wire, stranded, No. 8, double braid rubber covered;
- (5) 500 ft. same as Item 4, except No. 6;
- (6) 4 bellows for inverse time limit overload relays. Type P. Q. 3, 5 amp. W.S.F. 323230, GE. pg. 430, General Elec. Cat. No. 6001A, or equal;
- (7) 6 rolls asbestos tape, 1" wide, 10 yards in roll;
- (8) 100 lampholders, keyless, weatherproof, pendant, without shadeholder groove. No. 43310, pg. 100, General Elec. Sup. Corp. Cat. No. 31, or equal;
- (9) 100 cord connectors, complete Hubbell No. 6116, pg. 381, Graybar Cat. No. 100, or equal;
- (10) 100 solid knobs. No. 4½, pg. 857, Thompson-Diggs Cat. No. 31, or equal;
- (11) 10 doz. connector bodies. No. 103, pg. 363, Graybar Cat. No. 100, or equal;
- (12) 10 doz. steel covered composition caps. No. KZ, pg. 362, Graybar Cat. No. 100, or equal.

SAN DIEGO, Cal.—Until Jan. 21, 11 A. M., under Specification No. 6782, bids will be received by Public Wks Officer, Eleventh Naval District, for garage vertical lift folding doors at the Naval Operating Base (Naval Supply Depot Annex), San Diego. The work consists of the provision and installation in existing garage, of three wooden vertical lift overhead folding doors. Each door shall be approximately 14 ft. wide and 10 ft. 6 in. high. One folding door shall be provided with small swing wicket door. Plans obtainable from Public Works Officer on deposit of \$10, returnable, checks for same to be made payable to the Chief of the Bureau of Yards & Docks.

SACRAMENTO, Cal.—Until January 15, 3 P. M., under Order No. 4086-1906, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County:

- Carriage Bolts, With Nuts, Galv., Cut Threads**
- 100 5/16" x 2½";
 - 100 5/16" x 3";
 - 50 ¾" x 2½";
 - 50 ¾" x 3";
 - 50 ¾" x 4";
 - 100 ¾" x 2";
 - 100 ¾" x 2½";
 - 100 ¾" x 3";
 - 100 5/16" x 2";
- Wood Screws, Flat Head, Brass**
- 2 gross 8x ¾";
 - 2 gross 5x¾" (rd. head);
 - 2 gross 6x1¼";
 - 2 gross 6x¾" (rd. head);
 - 50 lag screws, galv. ¾" x 3";
 - 200 rivets, button head, 1½" x 5";
 - 50 lbs. nuts, cold pressed, hex, semi-finished, U. S. Std. ¾";
 - 25 lbs. cut washers, ¾".

LONG BEACH, Cal.—Otis Elevator Co., Washington, D. C., at \$18,737 submitted low bid to Supervising Architect, Treasury Department, for elevator installation in the Long Beach postoffice.

Plans Being Figured—Bids Close Jan. 12, 11 A. M.

ALTER OFFICES, ETC. Cost, \$—
SAN FRANCISCO. No. 100 Harrison Street.

Rearrangement of dispensary and planning space in fifth floor of Naval District Headquarters (Specification No. 6741)

Owner—United States Government.
Plans by Public Works Officer, Twelfth Naval District, 100 Harrison St., San Francisco.

The work will involve the removal of existing partitions, the installation of new partitions, new case, shelving, doors, glazing, plastering and painting; also the relocation of existing plumbing fixtures, electric fixtures and the installation of new plumbing and electric fixtures, including all necessary piping, fittings and electric wiring.

Specifications obtainable from the Public Works Officer, 100 Harrison St., on deposit of \$5, returnable, checks for same to be made payable to the Chief of the Bureau of Yards and Docks.

Plans Being Figured—Bids Close Feb. 17, 11 A. M.

WHARF, ETC. Cost, \$—
OAHU, T. H. (West Loch).

Construct concrete wharf, including railroad trestles, complete, in connection with Naval Ammunition Depot (Specification No. 6714).

Owner—United States Government.
Plans by Bureau of Yards and Docks,

Navy Dept., Washington, D. C.

Plans obtainable from the Commandant, Mare Island Navy Yard, on deposit of \$10, returnable, checks for same to be made payable to Chief of the Bureau of Yards and Docks.

HONOLULU, T. H.—Berger Mfg. Co., 2458 Hunter St., Los Angeles, at \$32.40 awarded contract by Treasury Department, Washington, D. C., to furnish and install ten racks of steel shelving for Honolulu postoffice, under Circular No. 4154. Complete list of bids follows:

Berger Mfg. Co., \$32.40; ¼%.
Jamestown Metal Equip. Co., \$93.40.
Penn Metal Co., \$95.60; 2%.
De Luxe Metal Furniture Co., \$118.-

13.

Lyon Metal Products, Inc., \$135.86.
Manufacturers Equip. and Eng. Co., \$144.07; 1%.

Yawman & Erbe Mfg. Co., \$197.56.
Standard Steel Shelving Co., \$255.09

BOULDER CITY, Nev.—Chicago Post Office Equipment Co., Chicago, Ill., at \$453.21 awarded contract by Post Office Department to furnish furniture in post office at Boulder City.

DENVER, Colo.—Until January 15, under Specification 555-D, bids will be received by U. S. Bureau of Reclamation to furnish and deliver one 20-ton traveling crane. Specifications obtainable from above office.

SUNNYVALE, Santa Clara Co., Cal.—Bids will be asked shortly by the Bureau of Yards and Docks, Navy Department, Washington, D. C., to furnish and erect a 200,000-gallon water tank on 100-ft. tower at the Navy Dirigible Base at Sunnyvale. The work is provided for under Specification No. 6758.

ALAMEDA, Alameda Co., Cal.—Bids will be asked shortly by Capt. Leander Larson, Constructing Quartermas-

ter, Benton Air Depot, 33 Pacific Ave., Alameda, to construct drainage system in connection with the Benton Air Depot Project.

Bids Opened.
SUBSISTENCE BLDG. Cost, \$—
WALLA WALLA, Washington.

One-story and basement reinforced concrete subsistence building.

Owner—United States Government.
Plans by U. S. Veterans' Bureau, Arlington Bldg., Washington, D. C.

General Contract
Two Low Bidders
Morley Constr. Co., Kansas City,
Mo. \$87,700

A. F. Mowat, Seattle, Wash. \$9,400
Refrigeration
Low Bidder

Armstrong Ice Machine Co.,
Seattle, Wash. \$12,020

LONG BEACH, Cal.—Easton & Nesser, 4822 W. Jefferson St., Los Angeles, is in the market for sub-bids in connection with the Long Beach Post Office.

Preliminary Plans Completed.
POST OFFICE Cost, \$210,000
PALO ALTO, Santa Clara Co., Cal.

Hamilton Ave., Waverly and Gilman Sts. (140 ft. frontage).

One-story mezzanine floor and basement Class A Post Office (title reserved).

Owner—United States Government.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.

PORTLAND, Ore.—U. S. Treasury Department received the following bids for furniture and screen line for the Portland, Ore., Post Office: Chicago Post Office Equip. Corp., \$801.78 and \$1515.28, 10%; Commercial Fixture Co., Los Angeles, \$180 and \$260, 5%; Corbin Cabinet Lock Co., \$755 and \$128, 2%; Federal Equip. Co., \$830 and \$1010, 5%; Geo. Pensky & Co., \$870 and \$995, 7%; Keyless Lock Co., \$854.43 and \$1121.08, 5%; McLane Mfg. Co., \$775 and \$1025, 5%; Original Cabinet Corp., \$950 f. o. b., 10%; C. F. Weber & Co., \$1092 and \$1167; Northwestern Store Equip. Corp., \$1710 and \$1995, 2%; A. L. Randall Co., \$346.35 f. o. b.; Vernon Fixture & Cabinet Co., Los Angeles, \$1250 and \$1450, 2%.

MARYSVILLE, Yuba Co., Cal.—Until January 12, 3 P. M., under Order No. 4080-CGS, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to furnish f.o.b. trucks or railroad cars at Marysville: (1) 25 drop inlets to be made of 16-gauge corrugated galvanized iron pipe; (2) 25 band couplers, each 12½-in. long, complete, for connecting the 8-in. dia. stubs of the drop inlets to 8-in. dia. corr. iron culverts.

BUTTE, Montana—A. M. Lundberg, St. Louis, Mo., at \$241,000 awarded contract by Supervising Architect, Treasury Department, Washington, D. C., to extend and remodel the U. S. Post Office at Butte.

OROVILLE, Wash.—F. A. Solter, Olympia, Wash., at \$38,174 submitted low bid to the Supervising Architect, Treasury Department, Washington, D. C., to erect inspection station at Oroville, Wash. Gorsuch & Irons, Wenatchee, Wash., second low bidder at \$40,250.

Plans Being Prepared.
ELEVATOR Cost, \$—
EUREKA, Humboldt Co., Cal.

Install elevator in Post Office.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.

SAN DIEGO, Cal.—Until January 19, 11 A. M., under Specification No. 6652, bids will be received by Public Works Officer, Eleventh Naval District, to furnish and install night flying lighting facilities at the Naval Operating Base (Air Station), San Diego.

The work shall include the furnishing and installing of field-lighting equipment, electric manholes and conduits, electrical equipment in manholes, electrical cables, lighting system for roof sign, obstruction lights with wiring and controls for certain buildings, a remote-control system for equipment; miscellaneous work and material; and the installation of certain equipment furnished by the Government.

Plans obtainable from Public Works Officer on deposit of \$10, returnable, checks for same to be made payable to Chief of the Bureau of Yards and Docks.

ALAMEDA, Alameda Co., Calif.—Healy-Tibbitts Const. Co., 64 Pine St., San Francisco, at \$2,230 submitted low bid to Constructing Quartermaster, Benton Field Air Depot, for driving 21 test piles at the Benton Air Field. Following is a complete list of the bids: Healy-Tibbitts Const. Co., S. F., \$2,220 M. B. McGowan, San Francisco, 2,225 A. W. Kitchin, San Francisco, 2,370 Duncanson-Harrelson Co., S. F., 2,952 B. C. Gerwick, San Francisco, 3,317 Jacobs & Pattiani, Oakland, 3,637 San Francisco Bridge Co., S. F., 4,500 Bids held under advisement.

Contract Awarded.
BUILDINGS Contract price, \$56,300
WEST LOS ANGELES, Calif.

Erect 20 temporary housing buildings and utilities together with grading and drainage in connection therewith at Veterans' Administration Home.

Owner—United States Government.
Plans by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto.

Contractor—Wigg Const. Co., Redondo Beach, Calif.

To Ask Bids About Jan. 11.
ADMIN. BLDG. Cost, \$200,000
PORTLAND, Oregon. Veterans' Hospital.

Two- to five-story reinforced concrete administration building.

Owner—United States Government.
Plans by Construction Division, U. S. Veterans' Bureau, Washington, D. C.

FORT SHAFTER, T. H.—Until Jan. 18, bids will be received by Department Quartermaster, Fort Shafter, T. H., for construction of Q. M. utilities shop building, Q. M. combined garage and shop, combined fire station and guard house, parachute building, paint, oil and dope house, dispensary building and radio building at Wheeler Field, Schofield Barracks, T. H. Deposit of \$100 required for plans obtainable from the Department Quartermaster.

HONOLULU, T. H.—Following are additional prospective bidders for painting stucco on the Honolulu post-office, bids for which will be opened January 22 by the Supervising Architect at Washington, D. C.:

Raphael Co., 270 Tehama St., San Francisco.

Wm. Markakis & Bros., 154 Nassau St., New York City.

Hawaiian Contracting Co., Ltd., 564 Kaahumanu St., Honolulu.

L. Reitman, 3923 W 6th St., Los Angeles.

SUNNYVALE, Santa Clara Co., Cal.—The San Francisco Const. Co., 3159 Fillmore St., San Francisco, at \$3994 submitted low bid to District Public Works Officer, Twelfth Naval District, for service facilities for Alrship Mooring Mast at the U. S. Naval Air Station, Sunnyvale. The work includes one 5000-gallon underground tank for water; one 5000-gallon underground tank for gasoline; motor-driven pumps for water and for gasoline; 1½-inch underground supply plumb pipe for water and for gasoline; 4-inch underground pipe for low pressure helium service; excavation and backfill for these services and certain piping connections. Following is a complete list of bids: San Francisco Const. Co., S. F., \$2,934 Fred W. Snook, San Francisco, 4,416 Jacobs & Pattiani, Oakland, 4,695 H. C. Miller, Santa Clara, 5,324 George Schuster, Oakland, 6,275 Bids held under advisement.

SUNNYVALE, Santa Clara Co., Cal.—See "Waterworks," this issue. Bids wanted to furnish and erect 200,000-gallon steel water tank on 100-foot tower at Naval Air Station, Sunnyvale.

SAN RAFAEL, Marin Co., Calif.—Capt. H. B. Norse, Constructing Quartermaster, 829 Fourth St., San Rafael, is preparing plans for structures in connection with the Marin Bombing Base to be erected at Marin Meadows for which the Federal Government has provided \$6,000,000. All structures will be of masonry construction. Contract for test piling in connection with this project has already been awarded to W. L. Proctor of Santa Rosa at \$3,294. Construction will involve the erection of

125 single homes for officers;
55 double homes for officers;
11 hangars, 110x220-ft. These will include machine and assembly shops;
5 barracks for enlisted men;
2 warehouses, 110x200-ft.;
1 bachelor officers' quarters;
1 officers' clubhouse;
1 non-commissioned officers' club-house;

1 headquaters building;
1 post children's school building;
1 post exchange;
1 chapel;
1 hospital;
1 gymnasium and theater building combined;
1 laundry;
1 parachute building;
1 photograph building;
1 guardhouse;
1 firehouse;
1 radio station;
1 athletic field;
7 miles of paved streets.

Preparing Preliminary Sketches.
POST OFFICE Cost, \$150,000
VALLEJO, Solana Co., Cal. Main and Carolina Streets.

Class A post office.
Owner—United States Government.
Architect—Chas. Dean California State Life Bldg., Sacramento.

MARE ISLAND, Calif.—Barrett and Hilt, 913 Harrison St., San Francisco, at \$145,400 submitted low bid to the Bureau of Yards and Docks, Navy Department, Washington, D. C., under Spec. 6431, for Battery Overhaul Bldg., Sub-station, D. Acid Mixing Plant, Submarine Base, Navy Yard, Mare Island, Calif. The work includes piles, concrete steel work, railroad track, built-up roofing, steel shaft, rolling doors, mastic flooring, stucco hollow tile work, plumbing, gas, air, and acid piping, heating, electric light and power wiring and electric cranes.

SAN FRANCISCO.—Frank Reilly at \$2,551 submitted low bid to Constructing Quartermaster, Ft. Mason, to construct roads and sidewalks for seven sets of officers' quarters at the Presidio. See "Streets and Highways" in this issue for a complete list of the bids.

SUNNYVALE. Santa Clara Co., Cal. —Until January 27, 11 A. M., under Specification No. 6768, bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for 2,000,000-ft. capacity, four-lit telescopic type, gas holder at the Naval Air Station, Sunnyvale. Specifications obtainable from the Commandant, Twelfth Naval District, 100 Harrison St., San Francisco, on deposit of \$10, returnable, checks for same to be made payable to Chief of the Bureau of Yards and Docks.

ALAMEDA. Alameda Co., Cal.—Bids will be asked shortly by Capt. Leander Larson, Constructing Quartermaster, Benton Air Depot, 33 Pacific Ave., Alameda, to furnish and install a deep well pump in connection with domestic water system at the Benton Air Depot.

Low Bidder.
POSTOFFICE Cost, \$228,238
OKMULGEE. Oklahoma.
 Class A postoffice.
 Owner—United States Government.
 Plans by Supervising Architect, Treasury Dept., Washington, D. C.
 Low Bidder—Algermon Blair, Montgomery, Alabama.
 Elevator—Otis Elevator Co., \$8,617.

SAN FRANCISCO.—Pacific Painting & Decorating Co., 1717 Webster St., at \$1589 awarded contract by Constructing Quartermaster, Fort Mason, for interior painting of fifteen double sets of Non-Commissioned Officers' Quarters at the Presidio.

HALLS AND SOCIETY BUILDINGS

Completing Plans.
MEMORIAL BLDG. Cost, \$20,000
EL CERRITO. Contra Costa Co., Cal.
 One-story Class C reinforced concrete memorial building (flat roof).
 Owner—County of Contra Costa.
 Architect—Jas. Narbett, 466 31st St., Richmond.

Plans will be submitted to Board of Supervisors for approval in two weeks.

Preparing Preliminary Sketches.
CLUBHOUSE Cost, \$15,000
SACRAMENTO. Sacramento Co., Cal.
 Del Paso Park.
 One-story frame clubhouse in connection with 18-hole golf course.
 Owner—Sacramento Golf Commission, L. S. Upson, president, and Jack Oakley, secretary.
 Architect—Chas. Dean, California State Life Bldg., Sacramento.

PALO ALTO. Santa Clara Co., Cal. —H. Z. Chenoweth, Palo Alto, at \$683.90 awarded contract by city council to enlarge and remodel clubhouse at El Camino Park Diamond. Other bids: L. A. Bachelder, \$694.50; E. M. Brickley, \$695; Geo. Difani, \$742. Additional locker space and heating will be provided for.

HOSPITALS

STOCKTON. San Joaquin Co., Cal.—Wilson Schulz & Co., 30 N Sutter St., Stockton, at \$1,327 awarded contract by county supervisors to furnish and install refrigeration equipment for the first unit of the San Joaquin County General Hospital near French Camp.

Fred. Meyer, 525 Market Street, San Francisco, architect.

Terrazzo Contract Awarded.
BURLINGAME. San Mateo Co., Cal.
HOME NOVITIATE Cost, \$—
 Four-story and basement steel frame and concrete home and novitiate (tile roof; steam heating system).
 Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
 Architect—Edward Eames, 535 Sacramento St., San Francisco.
 Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
 Structural Engineers—Ellison & Russell, Pacific Bldg., San Francisco.
Terrazzo—P. Grassi & Co., 1945 San Bruno Ave., San Francisco.
 Other awards previously reported.

Sheet Metal Contract Awarded.
ALTERATIONS Cost, \$—
SAN FRANCISCO. 3700 California St.
 Alterations to roof of hospital (steel canopy, concrete resurfacing).
 Owner—Children's Hospital, premises.
 Architect—Not Given.
 Contractor—Barrett & Hilp, 918 Harrison Street.

Sheet Metal—Morrison & Co., 74 Du-boce Avenue.
 As previously reported, steel canopy awarded to Mortenson Const. Co., 603 Indiana Street.

STOCKTON. San Joaquin Co., Cal.—Mangrum-Holbrook Co., 1235 Mission St., San Francisco, at \$5,150 submitted low bid to county supervisors for diet kitchen equipment, and Wilson-Schulz & Co., 30 N Sutter St., Stockton, at \$1,327 for refrigeration equipment in connection with the first unit of the San Joaquin County General Hospital, near French Camp. The Mangrum bid was \$104 for chinaware; \$65 for glassware and \$69 for silverware. Fred H. Meyer, 525 Market St., San Francisco, is architect.

Contracts Awarded.
WARDS, ETC. Cost, \$500,000
YOUNTVILLE. Napa Co., Cal.
 Group of buildings (4-story administration building, two 4-story ward buildings, 1- and 2-story service building and concrete connecting corridor; reinforced concrete construction; the roof).
 Owner—State of California.
 Architect—Fred H. Meyer, 525 Market St., San Francisco.

General Work
 R. W. Littlefield, 337 17th St., Oakland\$407,245

Electrical Work
 W. B. Baker, 270 6th St., San Francisco\$28,495

Refrigeration
 Carbondale Machinery Corp., 1031 S Broadway, L. A.\$21,600

Heating & Ventilating
 Alta Electric & Mechanical Co., 938 Howard St., S. F.\$34,836

Plumbing Work
 Carpenter and Mendenhall, 907 Front St., Sacramento\$36,900

Contract Awarded.
SANITORIUM Cost, \$40,000
OCEANSIDE. San Diego Co., Cal.
 Two-story Class A reinforced concrete sanitorium (76x142-ft.).
 Owner—Rosiericran Fellowship, Dr. G. B. Bryan, Los Angeles, chairman building committee.
 Architect—Not Given.
 Contractor—Chas. G. Rieke, 321 S Hill St., Oceanside.

HOTELS

Prospective Bidders.
HOTEL ADDITION Cost, \$—
MERCED. Merced Co., Cal. 601 M St.
 Five-story and basement reinforced

concrete Class C addition to hotel (wood studs, concrete exterior walls, columns and beams).
 Owner—Stanley Simonson (El Capitan Hotel), 601 M St., Merced.
 Architect—Kent & Hass, 525 Market St., San Francisco.

Following contractors have secured plans:
 Dinwiddie Const. Co., Crocker Bldg., San Francisco.

Lindgren & Swinerton Inc., 225 Bush St., San Francisco.

Chas. Stockholm & Son, Russ Bldg., San Francisco.

H. H. Larsen, 64 South Park, San Francisco.

K. E. Parker, 135 South Park, San Francisco.

Larsen & Larsen, 629 Bryant St., San Francisco.

I. M. Sommer & Co., 901 Bryant St., San Francisco.

Clinton-Stephenson Const. Co., Clay and Montgomery Sts., San Francisco.

M. B. Folsom, Merced.

Cameron & Son, Merced.

E. J. Heffner, 252 North Broadway, Fresno.

Jacobs & Pattiani, 337 17th Street, Oakland.

Bids will be opened in the office of the architect on January 15, at 3 P. M.

POWER PLANTS

Construction Started.
SUB-STATION Cost, \$30,000
CLAREMONT. Los Angeles Co., Cal.
 First St. and Alexander Ave.
 Electric sub-station.
 Owner and Builder—Southern Calif. Edison Co., Fifth St. and Grand Ave., Los Angeles.
 Architect—Eng. Dept. of Owner.

TULARE. Tulare Co., Cal. —City council has voted to request the State Railroad Commission to set a valuation on the Southern California Edison Company's distributing system within the city limits which the city proposes to purchase and operate as a municipal project. The city in a preliminary survey set the purchase price at \$112,000. A bond election will be held, probably in June, to finance the purchase.

PROSSER. Wash.—General Const. Co., Inc., Colman Bldg., Seattle, at \$131,386 submitted low bid to U. S. Reclamation Service, Denver, for the construction of the Prosser Power Canal, Prosser Power Plant, and alterations of the Prosser Diversion Dam, Kennewick Division, Yakima Project, Wash. The project involves:

Division and care of river during construction;

Removal of part of old diversion works;

55,000 cu. yds. of all classes of excavation;

60,500 sta. yds. overhaul;

37,500 cu. yds. compacting embankment;

1,200 sq. yds. gravel blanket;

23,600 sq. yds. earth blanket;

6,000 cu. yds. backfill;

3,685 cu. yds. of concrete;

370 cu. yds. of riprap;

Placing 210,000 lbs. of reinforcement bars;

Drilling 656 lin. ft. of ground holes;

Erecting 38 M. ft. of b. m. timber;

Constructing 2525 lin. ft. 8- to 12-in. pipe underdrains;

Laying 280 lin. ft. of 12- and 18-in. precast concrete pipe;

Erecting 25,000 lbs. structural steel;

Installing 28,000 pounds misc. metal work;

Installing 49,300 lbs. gates and gate lifts;

Installing 1000 lin. ft. electrical conduit;

Erecting power plant building.

The bids do not cover the purchase

of materials which are to be furnished by the Government.

Following is a complete list of bids:
 General Const. Co., Seattle.....\$131,356
 Addison Miller.....139,355
 Tertellling & Sona, Seattle.....142,783
 Menison & Knudsen, Boise, Id. 146,660
 Bernard & Curtis.....147,184
 Redmon & Turner, Inc., Yakima, Wash.....163,884
 A. Guthrie & Co., Seattle.....166,354
 Puget Const. Co., Seattle.....176,325
 C. L. Creelman, Seattle.....177,529
 Myers & Goulter, Seattle.....178,857
 Colonial Bldg. Co., Spokane.....179,998
 L. Romano, Seattle.....194,319
 McRae Bros., Seattle.....245,419
 Siems-Spokane Co., Spokane.....275,376
 Warter Bros., Tacoma.....370,041

GLENDALE, Los Angeles Co., Cal.
 —The public service department authorized by city council to construct a third transmission line of 66,000-volt capacity to augment the present supply lines. The line will be built in Glendale Ave. Placing of the lines will be done by the Southern California Edison Co.

Plans Approved.
 SUB-STATION Cost, \$8000
 Total cost, includ. equip. \$100,000
 VALLEJO, Solano Co., Cal. Foot of Kentucky Street.
 One-story reinforced concrete sub-station (55x33-ft.; concrete roof, covered with tar and gravel).
 Owner—Vallejo Electric Light & Power Co., Vallejo.
 Plans by W. A. Jones, 403 Alameda St., Vallejo.
 Bids will be asked within 1 week.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Bids Opened.
 WAR MEMORIAL Cost, \$5,000,000
 SAN FRANCISCO. Civic Center.
 Hollow metal for 4-story and basement
 Class A Veterans' Bldg.
 Owner—City and County of San Francisco (S. F. War Memorial).
 Architect—G. A. Lansburgh, 140 Montgomery St. and Arthur Brown Jr., 251 Kearny St.
 Mgrs. of Const.—Lindgren & Swinerton, Inc., 225 Bush St.
 Following is a complete list of bids:
 (A) Opera House; (B) Veterans' Bldg.; (1-A) deduct from (A); (1-B) deduct from (B).
 Dahlstrom Metallic Door Co., 534 6th St., (A) \$29,732 (B) \$9,137 (1-A) \$500 (1-B) \$400.
 Forderer Cornice Works, (A) \$31,404 (B) \$7,274 (1-A) \$200 (1-B) \$100.
 Bids held under advertisement.

Plans Being Completed.
 ARMORY Cost, \$60,000
 SALINAS, Monterey Co., Cal. Howard and Salinas Sts. and Lincoln Avenue.
 One-story reinforced concrete armory (seating capacity of 1400 to 1500; locker rooms, kitchen, stage, shops and club rooms).
 Owner—State of California.
 Architect—Koepp & Campbell, Carmel
 Bids will be asked for shortly.

Commissioned To Prepare Plans.
 CITY HALL ANNEX Cost, \$70,000
 SACRAMENTO, Sacramento Co., Cal. SE Tenth and I Streets
 Rear addition to city hall (to house central fire alarm station).
 Owner—City of Sacramento, H. G. Denton, City Clerk.
 Architect—Harry J. Devine, Calif. State Life Bldg., Sacramento.
 Structural Steel and Concrete Contracts Awarded.
 HALL OF RECORDS Cost, \$300,000
 MARTINEZ, Contra Costa Co., Cal.

Three-story Class A steel frame and concrete Hall of Records (hollow tile and metal lath partitions, steel sash, heating plant).
 Owner—County of Contra Costa.
 Architect—E. Geoffrey Bangs, 411 30th St., Oakland.
 Structural Engineer—F. H. Tibbitts, Alaska Commercial Building, San Francisco.
 Mechanical Engineer—G. M. Simonson, Call Bldg., San Francisco.
 Structural Steel—Golden Gate Iron Works, 1511 Howard Street, San Francisco, at \$33,264.
 Concrete—George Hudnut, Sacramento, at \$72,500.

Bids on the following portions of the work were rejected. Plans will be revised and new bids called for shortly:
 Roofing, sheet metal, plastering, miscellaneous metal, carpentry, painting, linoleum, cork tile, heating, ventilating and electrical work. Complete list of the bids were published December 23.

ELSINORE, Riverside Co., Calif.—Elsinore city council contemplates erecting a municipal hall in Elsinore during the coming year. The building would house the police department, city clerk, fire department, city library and post office.

Bids Wanted—To Close Jan. 13.
 MUSEUM Cost, \$70,000
 SANTA ANA, Orange Co., Calif. Main and 29th Streets.
 Two-story reinforced concrete and brick museum (151x60-ft.).
 Owner—Charles W. Bowers Memorial Museum Commission.
 Architect—W. Horace Austin and Frank Lansdown, 514½ N Main St., Santa Ana.

CROCKETT, Contra Costa Co., Cal.—County supervisors have leased site from C and H Sugar o. at Crockett and will erect a 2-cell branch county jail building. Estimated cost \$1,000.

Plans Being Prepared.
 MUSEUM Cost, \$250,000
 SEATTLE, Wash. Volunteer Park.
 Two-story reinforced concrete art institute building.
 Owner—Seattle Art Institute, Dr. R. E. Fuller, president, Seattle.
 Architect—Bebb & Gould, Hoge Bldg., Seattle.

SANTA ANA, Orange Co., Calif.—Santa Ana Citizens' Unemployment Emergency Committee has approved a plan for a stadium, civic auditorium, American Legion Hall and National Guard Armory to be erected on city-owned property at Sixth and Olive Sts. According to Herbert Rankin, general chairman of the committee, the work will be financed through money subscribed to the unemployment relief fund, money available in the city treasury, state fund to be appropriated for the armory and a fund to be provided by the Santa Ana post of the American Legion. The expenditure will be: Stadium, \$60,000; armory, \$50,000; auditorium and Legion hall, \$40,000. Plans for the improvements are being prepared by Architect E. E. Parks and Milo L. Berenson and Wm. L. Faulkner, 110 E 8th St., Santa Ana.

Contract Awarded.
 REMODELING Cont. Price, \$1,900
 OROVILLE, Butte Co., Calif.
 Remodeling present fire hall for use as offices for city clerk and police headquarters.
 Owner—City of Oroville.
 Architect—Cole and Brouhard, First National Bank Bldg., Chico.
 Contractor—Milo Stram, Oroville.

RESIDENCES

Construction To Start Within A Few Days.
 RESIDENCE Cost, \$6500
 OAKLAND, Alameda Co., Cal. Wisconsin Street.
 One-story and basement frame and stucco residence (6 rooms, 2 baths, shingle roof, gas furnace, colored tile baths and kitchen, hardwood floors and trim, etc.)
 Owner—Ellen Petersen.
 Plans by H. K. Jensen, 354 Hobart St., Oakland.
 Contractor—A. Jensen, % 354 Hobart St., Oakland.

Sub-Contracts Awarded.
 RESIDENCE Cost, \$10,000
 PIEDMONT, Alameda Co., Calif. 16 Alta Avenue.
 Two-story and basement frame and stucco residence (8 rooms, 2 baths)
 Owner—John Rossion.
 Architect—Leonard Ford, 1435 Harrison St., Oakland.
 Contractor—Edward Larmer, 90 Fairview Ave., Piedmont.
 Lumber—Sunset Lumber Co., 400 High St., Oakland.
 Steel Work—Herrick Iron Wks, 18th and Campbell Sts., Oakland.
 Painting—G. Hurtig, 1536 Edith Street, Berkeley.
 Concrete—Frank Salamid, 5350 Manila Ave., Oakland.
 Millwork—Pacific Mfg. Co., 1315 7th St., Oakland.

Sub-Bids Being Taken.
 RESIDENCE Cost, \$5000
 SAN FRANCISCO. Location Withheld.
 One-story and basement frame and stucco residence (5 rooms) (composition roof, canvas walls and ceilings, colored tile bath and kitchen, hardwood floors, etc.)
 Owner and Builder—Ed. Staff, 2366 33rd Ave., San Francisco.
 Architect—B. K. Dobkowitz, 425 Monterey Blvd., San Francisco.

Plans Being Prepared.
 RESIDENCE Cost, \$18,000
 SAN FRANCISCO. Monterey Hgts.
 Two-story and basement frame and stucco residence (9 rooms, 3 baths; Spanish type; tile roof, canvas walls and ceilings, hardwood floors and trim, oil burner and hot air heating system).
 Owner & Builder—Ellis Stoneson, 279 Yerba Buena Ave.
 Architect—Chas. Strothoff, 2274 15th Street.
 Sub-bids will be taken about Feb. 1.

Contract Awarded.
 RESIDENCE Cost, \$8500
 SAN JOSE, Santa Clara Co., Cal. McKendrie near Morse St.
 Two-story and basement frame and stucco residence (8 rooms); tile and composition roof, gas heat, colored tile baths and kitchen, etc.)
 Owner—J. T. Baldwin, 855 Nevada Ave., San Jose.
 Architect—Herman Krause, 237 W. San Carlos St., San Jose.
 Contractor—A. R. Calveili, 855 Nevada Ave., San Jose.

Sub-Bids Being Taken.
 RESIDENCE Cost, \$10,000
 BURLINGAME, San Mateo Co., Cal.
 Two-story and basement frame and stucco residence (7 rooms and 2 baths; shake roof, gas heat, electric refrigeration, etc.; English type).
 Owner—Leona Richardson.
 Architect—John Dinwiddle, Balboa Bldg., San Francisco.
 Contractor—A. J. Wilbe, Whitcomb Hotel, San Francisco.

Subcontracts Awarded.

RESIDENCE Cost, \$5000
OAKLAND, Alameda Co., Cal. Agnes
St. and Alta Road.
One-story and basement frame and
stucco residence (5 rooms).
Owner and Builder—Albert Hammar-
berg, 720 Hildale Ave., Berkeley.
Architect—Not Given.

Lumber—Tilden Lumber Co., Foot of
University Ave., Berkeley.

Concrete—Manuel Medis, 2427 Scenic
Drive, Oakland.

Plumbing—Suendermann Plumbing
Co., 921 University Ave., Berkeley.
Brick—C. M. Jensen & Son, 2507 9th
Ave., Oakland.

Sub-Bids Being Taken.

RESIDENCE Cost, \$6000
OAKLAND, Alameda Co., Cal. No. 875
Portal Ave.

Two-story and basement frame and
stucco residence (8 rooms); Spanish
ty.

Owner and Builder—Charles E. Bard-
well, 794 Lerida Ave., Oakland.
Architect—Not Given.

Plans To Be Prepared.

RESIDENCE Cost, \$—
LOS ALTOS, Santa Clara Co., Cal.
Large county residence.
Owner—P. H. McCarthy, Hearst Bldg.,
San Francisco.

Architect—Not Selected.

The former home of Mr. McCarthy
at Los Altos was destroyed by fire
last week with a loss in excess of
\$150,000 including contents.

Contract Awarded.

RESIDENCE Cost, \$7000
PIEDMONT, Alameda Co., Cal.
Two-story frame and stucco residence
(6 rooms, shingle roof, gas heating
system, tile bath, hardwood floors,
etc.)

Owner—M. Stern.

Architect—Fred H. Reimers, 233 Post
St., San Francisco.

Contractor—Irwin H. Reimers, 745
Walla Vista Ave., Oakland.

Construction will start in about two
weeks.

Mill and Lumber Contracts Awarded.

RESIDENCE Cost, \$9000
SAN FRANCISCO. St. Francis Wood.
Two-story and basement frame and
stucco residence.

Owner—Miss Dennie.

Architect—Masten & Hurd, 210 Post
Street.

Contractor—Young & Horstmeyer, 461
Market Street.

Mill Work—Lanham Bros. Mfg. Co.,
5th and Magnolia Sts., Oakland.

Lumber—Sudden Lumber Co., Evans
and Quint Streets.

Other awards will be made within
a few days.

Contract Awarded.

RESIDENCE Cont. price, \$16,150
SAN FRANCISCO. Twin Peaks Dist.
Two-story and basement frame and
stucco residence (16 rooms and 3
baths; oil and steam heating sys-
tem, tile roof, colored tile baths
and kitchen, hardwood floors, etc.)

Owner—H. Bossana.

Architect—George DeColmesnil, de
Young Bldg.

Contractor—Ragner Monson, 101 Car-
mel Street.

Bids will be taken by the architect
in one week on plumbing, heating and
interior tile work.

Plans Being Revised.

RESIDENCE Cost, \$22,000
SAN FRANCISCO. Western Addition.
Two-story and basement frame and
stucco residence (8 rooms and 3
baths; slate roof, gas steam heat-
ing system, electrically equipped
kitchen, electric refrigeration,

hardwood floors and trim, colored
tile baths and kitchen).

Owner—Withheld.

Architect—A. H. Larsen, 447 Sutter St.
Bids will be taken in about two weeks.

SCHOOLS

Plans Completed.

SCHOOL Cost, \$63,000
VAN NUYS, Los Angeles Co., Cal.
No. 5726 Topeka Drive.

Two-story Class B brick school (61x
213 ft.) 17 rooms.

Owner—Los Angeles School District.
Architect—Armand Monaco, Pershing
Square Bldg., Los Angeles.

Bids Wanted—To Close Jan. 18.

HIGH SCHOOL Cost, \$—
EL SEGUNDO, Los Angeles Co., Cal.
Two-story Class C brick high school
(63x104-ft.)

Owner—El Segundo High School Dist.
Architect—Alfred W. Rea and C. E.
Garstang, Pacific Southwest Bldg.,
Los Angeles.

Contract Awarded.

SCHOOL ADDITION Cost, \$60,000
LOS ANGELES, Cal. 7076 S San Pe-
dro Street.

Two-story concrete and brick addition
to high school (70x140-ft.)

Owner—Los Angeles School District.
Architect—Edwin Bergstrom, Citizens'
National Bank Bldg., Los Angeles.

Contractor—George Mitty, 816 West
5th St., Los Angeles.

MODESTO, Stanislaus Co., Calif.—
Additional quarters are planned by the
Board of Education to house increased
attendance at the schools, it is an-
nounced by John H. Bradley, city su-
perintendent of schools. Plans are be-
ing considered to equip the junior col-
lege gymnasium for auditorium pur-
poses, thus providing space for six ad-
ditional classrooms in the North build-
ing. Two or three bungalow schools
will also be provided for emergencies
in addition to a small gymnasium at
the Roosevelt School.

ARIZONA—Representative Harry
Valentine has introduced a bill in the
Arizona legislature, appropriating \$78,-
000 for the construction of a women's
reformatory on a site to be selected
by the directions of state institutions.

Plans Being Prepared.

LAW SCHOOL Cost, \$325,000
PULLMAN, Washington.
Four-story Class A Law School Bldg.

Owner—University of Washington.
Architect—A. H. Albertson, Jos. Wil-
son and Paul Richardson, associ-
ated, Life Tower Bldg., Seattle.

This structure, which will be lo-
cated in the quadrangle occupied by
Education hall, the Home Economics
building and the joint Philosophy and
Commerce hall.

To Ask Bids In Two Weeks.

SPECIAL FIXTURES Cost, \$35,000
SANTA BARBARA, Cal. Santa Bar-
bara Junior High School.

Special fixtures for Junior High School
(installation of wall cases, tables,
etc.).

Owner—Santa Barbara Junior High
School District.

Architect—W. H. Weeks, 525 Market
St., San Francisco.

Bids will also be advertised for ap-
proximately 600 steel lockers at the
same time.

NAPA, Napa Co., Cal.—T. J. Ken-
nedy, Martinez, at \$2,300 awarded con-
tract by trustees of the Napa Union
High School District for furnishing
and installing a heating unit for the

gymnasium at high school grounds.
Only other bid was submitted by Geo.
C. Bell of Oakland, at \$2,362.

Bids Wanted—To Close Feb. 2, 2 P. M.

LIBRARY Cost, \$175,000
FRESNO, Fresno Co., Calif. State

Teacher's College.

Library building (reinforced concrete
floors and foundations, brick walls
structural steel and wood frame
roof covered with clay tile roof).

Owner—State of California.

Architect—Swartz and Ryland, Brix
Bldg., Fresno, and Spazler Bldg.,
Monterey.

Bids will be taken on the following
propositions:

- (1) General Work.
- (2) Electrical Work.
- (3) Plumbing.
- (4) Heating.
- (5) Combined Plumbing, Heating
and Ventilating.

January 7, 1932

Bids Opened.

ADDITION Cost, \$7500
ALBANY, Alameda Co., Calif. Marin
School.

Brick kindergarten addition to school
(composition roof, maple floors,
steam heat, connecting to main
plant).

Owner—Albany School District.

Architect—Paul Dragon and C. R.
Schmidt, Mercantile Bank Bldg.,
Berkeley.

Low Bidder—E. T. Leiter & Son, 811
37th St., Oakland.

Following is a complete list of bids:

E. T. Leiter & Son, Oakland.....	\$6,787
C. M. Norgrove, Berkeley.....	6,850
David Nordstrom, Oakland.....	6,893
J. E. Branagh, Oakland.....	6,949
S. O. MacDonald & Son, Berke- ley.....	6,995
J. B. Bishop, Oakland.....	7,129
Geo. A. Scott, Oakland.....	7,148
N. H. Sjöberg & Sons, S. F.....	7,464
William Kraus.....	7,495
F. R. Siegrist Co., S. F.....	7,695
N. W. Place, Oakland.....	7,700
Emil Person, Berkeley.....	7,862
Contract to be awarded to E. T. Leiter & Son within a few days.	

Plastering and Modeling Contracts

Awarded.
GYMNASIUM Cont. Price, \$418,000
BERKELEY, Alameda Co., Cal. Camp-
us of the University of California.

Two-story and basement Class A steel
frame and concrete men's gymna-
sium (gymnasium type hardwood
floors, composition, rock, asphalt
and gypsum roofing, steel sash,
etc.)

Owner—University of California.

Architect—George W. Kelham, 315
Montgomery St., San Francisco.

Contractor—Dinwiddie Constr. Co.,
Crocker Bldg., San Francisco.

Plastering—Wm. Makin, 420 Lee St.,
Oakland.

Modeling—P. O. Tognelli, 465 Fran-
cisco St., San Francisco.

As previously reported, reinforcing
steel awarded to Pacific Coast Steel
Co., 20th and Illinois Sts., S. F.; struc-
tural steel to Judson-Pacific Co., 609
Mission St., S. F.; excavation to J.
Cattuci, 1212 18th Ave., Oakland; elec-
tric to Turner Co., 325 Tehama St., S.
F.; heating to Alta Elec. & Mfg. Co.,
938 Howard St., S. F.; plumbing to
F. W. Snook, 596 Clay St., S. F.

Bids Wanted—To Close January 26.

SCHOOL ADDITION Cost, \$—
PASADENA, Los Angeles Co., Cal.

Rose Villa and Craig Sts.

Reinforced concrete school addition
6 classrooms, library, museum,
cafeteria and auditorium).

Owner—Pasadena School District.

Architect—Bennett & Haskell, First
Trust Bldg., Pasadena.

Bids Opened.
SCIENCES BLDG. Cost, \$202,000
SAN JOSE, Santa Clara Co., Cal.
Two-story reinforced concrete Natural
Sciences Building (wood frame
roof, clay tile roofing, brick trim-
mings on exterior).
Owner—State of California.
Architect—Ralph Wyckoff, Growers'
Bank Bldg., San Jose.
Associated Architect—Chas. McKenzie
Twohy Bldg., San Jose.
Mechanical Engineers—Leland & Hay-
ley, 68 Sutter St., San Francisco.
Following is a complete list of bids:

General Work
(1) deduct for exclusion of certain
rooms, etc.; (2) deduct for using Ore-
gon pine finish in place of oak.
J. F. Shepherd, First National
Bank Bldg., Stockton.....\$148,276
(1).....7,445
(2).....7,475
H. Mayson, Los Angeles.....\$149,500
(1).....6,700
(2).....1,883
F. C. Amoroso & Sons, San
Francisco.....\$152,996
(1).....4,680
(2).....1,200
K. E. Parker, San Francisco.....\$155,550
(1).....5,500
(2).....1,800
E. T. Lesure, Berkeley.....\$156,900
(1).....6,500
(2).....1,870
Wm. Rohlbacher, Los Angeles.....\$158,300
(1).....7,200
(2).....2,500
Carl N. Swensen, San Jose.....\$159,332
(1).....8,362
(2).....1,635
Louis Geisler, Huntington Pk.....\$165,900
(1).....3,790
(2).....1,450
W. J. Ochs, San Jose.....\$167,850
(1).....7,648
(2).....1,850
Minton Co., Palo Alto.....\$168,438
(1).....7,647
(2).....2,543
Estimate.....\$156,807
(1).....9,500
(2).....3,000

Plumbing
(1) deduct if certain portions of work
are omitted.
J. A. Fazio, 402 Castro St., Oak-
land.....\$20,460
(1).....1,170
Mechanical Contracting Co., San
Francisco.....\$23,180
(1).....300
Carl T. Doell, Oakland.....\$23,319
(1).....1,461
Herman Lawson San Francisco.....\$23,800
(1).....1,300
Thomas Haverty, Los Angeles.....\$24,210
(1).....1,718
Scott Co., San Francisco.....\$24,287
(1).....1,684
W. H. Robinson, Monterey Pk.....\$24,444
(1).....1,139
Lohman Bros., Los Angeles.....\$25,884
(1).....1,807
C. Petersen Co., San Francisco.....\$29,550
(1).....100
Estimate.....\$15,300
(1).....1,368

Heating and Ventilating
(1) deduct if certain portions of work
are omitted; (2) deduct if exhaust
fans are omitted.
Herman Lawson, 465 Tehama
St., San Francisco.....\$23,400
(1).....500
(2).....4,000
Jos. C. Black, Stockton.....\$23,600
(1).....1,100
(2).....4,000
Scott So., San Francisco.....\$24,444
(1).....916
(2).....8,840
George C. Bell, Oakland.....\$24,587
(1).....900
(2).....4,000
Mechanical Contracting Co., San
Francisco.....\$24,990
(1).....1,080
(2).....4,180

Schreier Bros., Oakland.....\$25,827
(1).....1,280
(2).....5,979
Thomas Haverty, Los Angeles.....\$26,191
(1).....923
(2).....4,990
George Schuster, Oakland.....\$26,485
(1).....1,085
(2).....5,900
Pacific Heat & Vent. Co., Oak-
land.....\$26,495
(1).....775
(2).....5,400
Carl T. Doell, Oakland.....\$26,674
(1).....1,121
(2).....4,139
C. Petersen, San Francisco.....\$26,995
(1).....738
(2).....6,432
Lohman Bros., Los Angeles.....\$28,042
(1).....1,371
(2).....855
Dowd-Welch Co. San Francisco.....\$31,719
(1).....2,485
(2).....4,157
Estimate.....\$24,600
(1).....2,700
(2).....5,340

Electrical Work
(1) deduct if certain portions of work
are omitted.
Eddy Electric Co., 309 E Weber
St., Stockton.....\$10,500
(1).....570
Turner Co., San Francisco.....\$11,331
(1).....397
Gilbert Bros., San Jose.....\$13,256
(1).....475
J. B. Slater, Oakland.....\$13,590
(1).....494
Roy M. Butcher, San Jose.....\$14,175
(1).....684
Decker Elec. Co., S. F.....\$16,638
(1).....767
Estimate.....\$18,900
(1).....500

Plumbing, Heating & Ventilating
(1) deduct if certain portions of work
are omitted; (2) deduct if exhaust
fans are omitted.
A. J. Peters, 455 E Washington
St., San Jose.....\$45,250
(1).....3,748
(2).....5,600
Herman Lawson, S. F.....\$46,900
(1).....1,300
(2).....4,000
Mechanical Contracting Co. San
Francisco.....\$46,980
(1).....1,780
(2).....4,180
Hatley & Hatley, San Jose.....\$47,139
(1).....2,885
(2).....4,291
Wm. Serpa, San Jose.....\$47,680
(1).....1,613
(2).....4,600
Carl T. Doell, Oakland.....\$49,639
(1).....2,582
(2).....4,139
Thomas Haverty, L. A.....\$50,401
(1).....2,641
(2).....4,990
Lohman Bros., Los Angeles.....\$52,480
(1).....3,178
(2).....855
C. Petersen Co., San Francisco.....\$56,345
(1).....838
(2).....6,432
Estimate.....\$39,300
(1).....4,068
(2).....5,340

Bids held under advisement.

Plans Completed.
ADDITION Cost, \$80,000
LOS ANGELES, Cal. No. 3250 Bak-
man Street.
Two-story reinforced concrete Class
B school addition (140x145 ft.); 15
classrooms.
Owner—Los Angeles City School Dis-
trict.
Architect—H. C. Newton and R. D.
Murray, Architects Bldg., L. A.

OAKLAND, Cal.—E. A. Myers, Pitts-
burgh, Pa., at \$1465 submitted only
bid and was awarded the contract by
the Oakland Board of Education to
furnish one Radiant No. 100-2 teach-
ing set or its equal in quality and
utility.

BANKS, STORES & OFFICES

Contract Awarded.
MARKET Cost, \$1025
OAKLAND, Alameda Co., Cal. E.
Hopkins 260 ft. E 35th Ave.
One-story frame and stucco open air
market (concrete floors, tile work
on piers).
Owner—Lloyd Brown.
Architect—Guy L. Brown, American
Bldg., Oakland.
Contractor—J. B. Petersen, 4021 Agua
Vista Ave., Oakland.
Building is designed providing for
stores to be added at a later date.

Sub-Bids Wanted.
SUPPER CLUB Cost, \$50,000
PALM SPRINGS, Riverside Co., Calif.
One-story frame and stucco supper
club.
Owner—L. and Lew Wertheimer.
Architect—Gilbert S. Underwood, Cal-
ifornia Reserve Bldg., Los Ange-
les.
Contractor—Security Finance & Build-
ing Co., Hollywood Guaranty Bldg.
Hollywood.

Plans Being Completed.
STORE Cost, \$8000
SAN FRANCISCO, West Portal Ave.
(65 ft. frontage).
One-story frame and stucco store
building (2 stores).
Owner—Peter Dunne, Insurance Ex-
change Bldg., San Francisco.
Architect—Gardner Dailey, 210 Post
St., San Francisco.
Bids will be asked about January
15.

Contract Awarded.
ALTERATIONS Cost, \$2500
SAN JOSE, Santa Clara Co., Cal.
Santa Clara at Seventeenth St.
Alter interior of Type 3 business
building.
Owner—American Dairy, Premises.
Architect—Not Given.
Contractor—George Honore, 136 Race
St., San Jose.

Contract Awarded.
ALTERATIONS Cost, \$7000
OAKLAND, Alameda Co., Cal. No.
467-9 Fourteenth St.
Alterations to lunch room.
Owner—Foster Lunch System, 986 Mis-
sion St., San Francisco.
Architect—Not Given.
Contractor—Austin B. Murray, Mill
Valley.

Sub-Bids Wanted.
STORE Cost, \$7500
OAKLAND, Alameda Co., Cal. SE
Fifty-seventh Ave. and Foothill
Blvd.
One-story brick and concrete store.
Owner and Builder—Robson & Robson
deYoung Bldg., San Francisco.
Architect—Geo. Cantrell, 325 Fremont
St., San Francisco.
Brick Work—A. J. Tole, 124 Rice St.,
San Francisco.
Steel—Judson-Pacific Co., 609 Mission
St., San Francisco.
Plumbing—T. F. Watson, 3868 Howe
St., Oakland.

Sub-bids are wanted on electrical
work, plastering, roofing and tile work
Plans To Be Prepared.
TELEPHONE BLDG. Cost, \$——
STOCKTON, San Joaquin Co., Cal.
San Joaquin and Lindsay Streets.

Telephone exchange building.
OWNER—Pacific Telephone & Telegraph Co., 144 Bush St., San Francisco.
Architect—Eng. Dept. of Owner.
 Proposed project is in a very preliminary stage.

Additional Sub-Contracts Awarded.
OFFICES Cost, \$325,000
 SAN FRANCISCO. N. McAllister St.
 W. Polk St. (60x120-ft.)

Six-story and basement Class A reinforced concrete offices (terra cotta and granite facing; steam heating system, etc.)

Owner—Perry F. Burke, care William Magee, 69 Sutter Street.

Architect—Ellis & Fairweather, Balboa Building.

Contractor—Barrett & Hilt, 918 Harrison Street.

Engineer—T. Ronneberg, Crocker Bldg.

Vault Door—Hermann Safe Co., Howard and Main Sts.

Finish Hardware—E. M. Hundley, 662 Mission Street.

Flex Tile—L. S. Case Co., Monadnock Bldg.

Revolving Door—C. J. Waterhouse, 55 New Montgomery St.

Dumb Waiter—P. Grassi & Co., 1945 San Bruno Ave.

Other awards previously reported.

Plans Being Prepared.
STORE Cost, \$15,000
 SAN FRANCISCO. NE Ocean Avenue and Fairfield Way.

One-story frame and stucco store bldg. (concrete retaining wall).

Owner—T. E. Foster, 1930 Sacramento Street.

Architect—S. Heiman, 57 Post Street.

Lessee—Westwood Electric Radio Co., 1608 Ocean Ave.

Bids will be taken from a selected list of contractors in about 2 weeks.

Low Bidders.
PUBLIC UTILITY BLDG. Cost, \$—
 LONG BEACH, Los Angeles Co., Cal.
 NE Broadway and Pacific.

Three-story and basement reinforced concrete public utility building (60x120 ft.)

Owner—City of Long Beach.

Architect—Dedrick & Bobbe, Heartwell Bldg., Long Beach.

Low Bidder—Chas. W. Pettifer Co., Inc., 733 W. 14th St., Long Beach.

Heating and Ventilating—Hickman Bros., 910 E. Anaheim St., Long Beach, at \$4746.

Electric—Glaser Electric Co., 1107 Hoffman St., Long Beach, at \$3850.

Plumbing—Sanitary Plumbing Co., 1161 Pine Ave., Long Beach, \$3950.

To Be Done By Day's Work.
OFFICE PARTITIONS Cost, \$1250
 SAN FRANCISCO. NE Stockton and Union Streets.

Partitions for offices.

Owner—S. Andriano, 550 Montgomery Street.

Architect—J. Porporato, 619 Washington Street.

To Be Done By Day's Work.
STORE Cost, \$10,000
 SAN JOSE, Santa Clara Co., Cal. 400 N First Street.

One-story business building.

Owner—Golden State Co., Ltd., 425 Battery St., San Francisco.

Architect—Not Given.

Supt. of Const.—E. W. Perkins, premises.

Plans Being Figured.
STORE Cost, \$8000
 CRESCENT CITY, Del Norte Co., Cal.
 H st. bet. Front and 2nd Sts.

One-story frame and stucco (4) stores (50x73-ft.)

Owner—Bay Hotel Co., Crescent City.

Architect—Not Given.

Plans Being Figured.
DEPT. STORE Cost, \$—
 WESTWOOD, Los Angeles Co., Cal.
 Two-story and basement reinforced concrete and steel dept. store (80x150-ft.)

Owner—Hullock's.
Architect—John and Donald B. Parkinson, Title Insurance Bldg., Los Angeles.

Contract Awarded.
MARKET Cost, \$—
 LOS ANGELES, Cal. NE Fairfax Ave. and San Vicente Blvd.

Brick market (100x130 ft.)

Owner—International Provision Co.

Architect—Kenneth Macdonald, Ambassador Hotel, Los Angeles.

Contractor—Calhoun & Hastings, 1150 N. Las Palmas Ave., Los Angeles.

THEATRES

SOUTHERN CALIFORNIA—Ideal Seating Co., 1356 S Vermont Avenue, has been awarded a contract for furnishing seats for the following theater buildings under construction for the United Artists Theaters of California: Wilshire Blvd. and Mansfield Ave., Los Angeles, 900 seats; Long Beach, 1242 seats; El Centro, 1044 seats. J. Wesley Forderer, general contractor, Lincoln Bldg., Los Angeles. A. R. Walker & P. A. Elden, Ltd., and C. A. Balch, associated architects, 1112 Western Pacific Bldg., Los Angeles.

LONG BEACH, Los Angeles Co., Cal.—Alexander Pantages, 590 N Vermont Avenue, Los Angeles, contemplates erecting a theater on a site that has not yet been secured. If the project matures, plans for the structure will probably be drawn by Architect B. M. Priteca, 411 W 7th St., Los Angeles.

WHARVES AND DOCKS

Additional Sub-Contracts Awarded.
SHED Contract price, \$2,648
 SAN FRANCISCO. Pier 23, foot of Greenwich Street.

Steel frame shed (110x830-ft.; precast concrete wall slabs, redwood roof sheathing covered with asphalt and gravel).

Owner—State of California (Harbor Commission).

Engineer—Frank White, Ferry Bldg.

Contractor—Barrett & Hilt, 918 Harrison Street.

Plastering—Jas. Smith, 271 Minna St.

Boils—Kortick Mfg. Co., 335 First St.

Other awards previously reported.

LONG BEACH, Cal.—Sully-Miller Contracting Co., 1500 W Seventh St., Long Beach, at \$65,184.93 awarded contract by city council to construct Berths Nos. 1 and 2. Pier A, Long Beach Outer Harbor. Complete list of unit and total bids received on this project appear on page five of this issue.

Plans Being Prepared.
WHARF Cost, \$225,000
 SAN FRANCISCO. Islais Creek.

Extend Outer Islais Creek Wharf 900 ft., timber construction.

Owner—State of California (Harbor Commission) Ferry Bldg.

Engineer—Frank G. White, Ferry Building.

This work will go under construction during the current year.

Plans Being Prepared.
WHARF Cost, \$300,000
 SAN FRANCISCO. Just west of Third Street Bridge.

Timber wharf on Inner Islais Creek.

Owner—State of California (Harbor Commission) Ferry Bldg.

Engineer—Frank G. White, Ferry Building.

This work will go under construction during the current year.

Plans Being Prepared.
PIER SHED Cost, \$280,000
 SAN FRANCISCO. On waterfront.

New shed for Pier No. 42.

Owner—State of California (Harbor Commission) Ferry Bldg.

Engineer—Frank G. White, Ferry Building.

The project will be undertaken during the current year.

Plans Being Prepared.
PIER SHED Cost, \$50,000
 SAN FRANCISCO. On waterfront.

Shed for Pier No. 44.

Owner—State of California (Harbor Commission) Ferry Bldg.

Engineer—Frank G. White, Ferry Building.

The project will be undertaken during the current year.

Plans Being Prepared.
WHARF EXTENSION Cost, \$200,000
 SAN FRANCISCO. On waterfront.

Extension of betterments and additions to sub-structure of Pier No. 42 and connecting wharf between Piers Nos. 40 and 42.

Owner—State of California (Harbor Commission) Ferry Bldg.

Engineer—Frank G. White, Ferry Building.

The project will be undertaken during the current year.

Plans Being Prepared.
PIER EXTENSION Cost, \$175,000
 SAN FRANCISCO. On waterfront.

Two hundred foot extension for Pier No. 46.

Owner—State of California (Harbor Commission) Ferry Bldg.

Engineer—Frank G. White, Ferry Building.

Construction of this pier will be undertaken during the current year.

Plans Being Prepared.
BULKHEAD BLDG. Cost, \$100,000
 SAN FRANCISCO. On waterfront.

Bulkhead building at front and connecting Piers Nos. 38 and 40.

Owner—State of California (Harbor Commission) Ferry Bldg.

Engineer—Frank G. White, Ferry Building.

This project will be placed under construction during the current year.

Plans Being Prepared.
WHARF EXTENSION Cost, \$60,000
 SAN FRANCISCO. Islais Creek.

Extend Green shed 100 ft. to the east and construct additional bins and necessary wharf.

Owner—State of California (Harbor Commission) Ferry Bldg.

Engineer—Frank G. White, Ferry Building.

This project will be placed under construction during the current year.

MISCELLANEOUS CONSTRUCTION

SAN BERNARDINO, Riverside and Imperial Cos., Calif.—Until Jan. 20, 2 P. M., bids will be received by the State Highway Commission to apply a traffic stripe to about 570.8 miles of pavement.

LONG BEACH, Calif.—Sully-Miller Contracting Co., 1500 W Seventh St., Long Beach, at \$65,184.93 submitted the low bid to the city council to construct berths at Pier "A" on the Long Beach Outer Harbor. All bids were taken under advisement.

Engineering News Section

BRIDGES

LOS ANGELES, Cal.—Gelbisch & Hoak, 12 Virgil Walk, Long Beach, awarded contract by county supervisors at \$17,445 (using Douglas Fir), to construct timber and steel bridge on Park Blvd. over the arm of Alamitos Bay at the Recreation Lagoon. Will be 327 ft. in length, with one center removable steel span, 41 ft. 4 in. in length, the remainder of the spans, which are wooden, ebing each 20 feet in length. Construction will require crossosod piling in 40-ft. lengths. The roadway will be 24 ft. with one 5-ft. walk.

SANTA ROSA, Sonoma Co., Cal.—County supervisors have authorized the construction of a new bridge between Alexander Valley and Jintown on the Healdsburg-Napa County Line Road to replace 200-ft. timber span washed out by floods of the Russian River. The structure will be built by county forces under an emergency measure. The cost is \$5000. E. A. Peugh, county surveyor.

CALIFORNIA — See "Streets and Highways," this issue. Work contemplated by State Highway Commission during the year 1932 for bridge and highway construction.

ARIZONA STATE—See "Streets and Highways," this issue. Bids wanted by State Highway Commission to construct Blythe-Wickenburg Highway, involving grading, draining, bridges, etc.

MENDOCINO COUNTY, Cal. — A. Helwig Construction Co., 115 South Main St., Sebastopol, at \$32,359.23, awarded contract by State Highway Commission to construct a bridge across the Russian River about 3½ miles northeast of Ukiah, consisting of one 100-ft. steel pony truss span on concrete piers and fourteen 19-ft. timber approach spans on redwood pile bents, and approximately 0.3 mi. of roadway to be graded and surfaced with gravel, oil and screenings. Complete bids published in issue of Dec. 24.

SAN FRANCISCO—D. G. Longtin, deYoung Bldg., at \$275 awarded contract by Chief Engineer, San Francisco-Oakland Bay Bridge, 500 Sansome St., to investigate bridge foundation sites on Yerba Buena Island, consisting of boring eased holes and diamond drilling thru bedrock and taking samples of material for investigation. Complete bids published in issue of December 24.

CLARK COUNTY, Nevada — Dodge Bros., Fallon, Nevada, at \$1701.99 awarded contract by State Highway Commission to demolish a steel and timber bridge over the Virgin River near Bunkerville, Clark County. Mahoney-Cline Co., Las Vegas, Nev., next low bidder at \$1750.

BAKERSFIELD, Kern Co., Calif.—Opperman & Hullett, 1327 Orange Dr., Bakersfield, at \$1,834.11 awarded contract by county supervisors to construct a pile bridge on County Road

No. 745 over the Calloway Canal, involving:

- (1) 600 cu. yds. excavation;
- (2) 20,292 M. ft. B.M. untreated Douglas fir timber;
- (3) 9,866 M. ft. B.M. redwood timber;
- (4) 2 fire barrels.

Complete bids follow:

- (A) Opperman & Hullett, Bakersfield \$1,834.11;
- (B) Earl Bowen, Strathmore, \$1,919.70;
- (C) Wm. Elsler, Bakersfield, \$2,041.50
- (D) Willard K. Michael, Bakersfield, \$2,060.00;
- (E) F. A. Greenough, Bakersfield, \$2,176.49;
- (F) G. A. Graham, Bakersfield, \$2,403.57;
- (G) W. M. Ledbetter, Los Angeles, \$2,621.67.

Unit bids follow:

	(1)	(2)	(3)	(4)
(A)	\$48	\$44.11	\$68.42	\$12.00
(B)	33	49.50	73.20	12.00
(C)	30	51.00	85.00	9.00
(D)	45	52.00	76.00	15.00
(E)	25	51.00	100.00	15.00
(F)	50	59.00	94.50	12.00
(G)	80	68.00	83.50	9.00

DREDGING, HARBOR WORKS & EXCAVATIONS

LONG BEACH, Cal.—Sully - Miller Contracting Co., 1500 West Seventh St., Long Beach, at \$165,184.93 awarded contract by city council to construct Berths Nos. 1 and 2, Pier A, Long Beach Outer Harbor. Complete list of unit and total bids received on this project appear on page five of this issue.

PROSSER, WASH.—General Const. Co., Seattle, at \$131,386 submitted low bid to U. S. Reclamation Bureau, Denver, Colo., to construct Prosser Power Canal, Power Plant and alterations to Prosser Diversion Dam. See "Power Plants" this issue for complete details and list of bids received.

PORTLAND, Ore.—Oregon Bridge & Dredging Co., Portland, at 11,456 cu. yd. submitted low bid to U. S. Engineer Office, under Circular 212, for dredging 265,000 cu. yds. of material from two channels in Isthmus Slough, Coos Bay. Other bids: Port of Coos Bay, Marshfield, Ore., 13,4c; General Construction Co., Seattle, 15.9c. Taken under advisement.

SACRAMENTO, Cal.—R. P. Easley, Antioch, at \$32,079.60 (\$,0938 cu. yd.) awarded contract by U. S. Engineer Office, Sacramento, to raise and strengthen existing levee on westerly side of Yolo By-pass along Reclamation District No. 2068, beginning 4.5 miles south of Yolo Station on Sacramento-Northern Railroad and extending 15,920 ft. Project involves moving 342,000 cu. yds.

IRRIGATION PROJECTS

TURLOCK, Stanislaus Co., Cal.—Aldrin & Anderson, Turlock, at \$3320 awarded contract by Turlock Irrigation District for concrete ditch lining in Improvement District No. 75 near Ceres. Project involves \$3,782 sq. ft. of lining and structures.

PORTERVILLE, Tulare Co., Cal.—The Southern California Edison Co.,

601 W 5th St., Los Angeles, will reconstruct a flume 23,900 feet, or four miles long, from Nelson Creek to Springville on the Tule River, Porterville. Construction will be of steel with wood footings. The estimated cost is \$230,000. Construction is scheduled to begin March 1, 1932.

STREET LIGHTING SYSTEMS

PALO ALTO, Santa Clara Co., Cal.—City council plans installation of electrolux system at city hospital grounds involving 14 standards with underground system; estimated cost \$2370. Plans prepared by A. V. Younes, city electrician.

SAN FRANCISCO—H. C. Reid, 339 Clementina St., at \$6070 submitted low bid to Board of Public Works to install ornamental street lighting system in the Great Highway, between Point Lobos Ave. and Lincoln Way. Following is a complete list of the bids received:

H. C. Reid	\$6070
R. Flatland	6269
Breyer Electric Co.	6346
Weidenthal Gosliner Co.	6400
City Improvement Co.	6549
Eaton & Smith	6595
Butte Electric & Mfg. Co.	6735

GLENDALE, Los Angeles Co., Cal.—Public Service Department (City of Glendale) at \$126,250 awarded contract by city council to construct ornamental street lighting system in Brand Blvd. between Arden Blvd. and south city limits. The system will involve 508 steel fluted standards of a special city design.

MODESTO, Stanislaus Co., Calif.—City council declares intention (765) to install ornamental street lighting system in 11th St. bet. K and Needham Sts., involving cement concrete electrolux with underground system. Bond Act 1915. Hearing January 13. H. E. Gragg, city clerk. Frank J. Rossi, city engineer.

MACHINERY AND EQUIPMENT

DENVER, Colo.—Until January 15, under Specification 555-D, bids will be received by U. S. Bureau of Reclamation to furnish and deliver one 20-ton traveling crane. Specifications obtainable from above office.

LOS ANGELES, Cal.—Madsen Iron Works, Ltd., 5631 Bickett St., Huntington Park, awarded contract by the board of public works at \$11,556 (\$12,376, less \$1320 credit on salvage) for the remodeling of the municipal asphalt plant at 2445 McPherson Street. The work involves the construction of a 2-ton plug mill, doubling the present capacity, reinforcing the frame of the plant and installing a dust collector.

SACRAMENTO, Cal.—Dean Tractor Co., San Jose, submitted low bid of \$1205 (less 5 per cent 10 days) to State Bureau of Purchases to furnish f. o. b. San Luis Obispo, one 15 H. P. Cletrac tractor. Cornell Tractor Co., Salinas,

bid \$130 (less 2 per cent 10 days)
for furnishing a Caterpillar tractor.

PASADENA, Cal. — Elgin Company awarded contract by city council at \$2250 for furnishing the city a motor pickup street sweeper, equipped with gutter and pickup brooms, pneumatic tires complete. Discount 2%. The Austin-Western Road Machinery Co. submitted an identical bid.

MARE ISLAND-SAN DIEGO, Cal. — Until February 3, 11 A. M., under Specification No. 6770, bids will be received by Bureau of Yards and Docks, Navy Department, Washington, D. C., for two 25-ton floating revolving boom cranes mounted on steel pontoons and operated by Diesel-electric power; 1 delivered to Mare Island, San Diego, Calif., and the other to naval operating base (destroyer base), San Diego, Calif. Deposit of \$10 required for specifications obtainable from the Commandant at Mare Island Navy Yard, checks for same to be payable to the Chief of the Bureau of Yards and Docks.

BERKELEY, Alameda Co., Cal. — Bids will be asked at once by the city council to furnish one new police ambulance.

EUREKA, Humboldt Co., Cal. — Bids will be asked at once by the Board of Education to furnish and deliver one 60-passenger school bus.

RAILROADS

SEATTLE, Wash. — Following bids taken under advisement by Wm. D. Freeman city purchasing agent, to furnish 500 gross tons of steel rail for municipal railway department:

For 250 tons of 4½-in. 60-pound rail, 60-foot lengths; Columbia Steel Co., \$57 per gross ton; Corn & Dehn, \$48.40 (European rail); Pacific Coast Steel Co., \$57.86; Hofius Steel & Equipment Co., \$34.50 (relay).

For 100 tons 7-inch 32-pound rail: Columbia Steel Co., \$60.25; Pacific Coast, \$53.65.

For 50 tons 7-inch, 140-pound rail: Columbia Steel Co., \$73.01; Pacific Coast Steel Co., \$74.65.

For 50 tons 5-inch, 80-pound rail: Columbia Steel Co., \$57; Pacific Coast Steel Co., \$57.86.

For 50 tons 98-pound Loraine section rail No. 451: Columbia Steel Co., \$88.01.

SAN FRANCISCO. — General Electric Supply Corp., 1201 Bryant St., at \$11.28 per 100 lbs., with allowance of \$13 for each reel returned, submitted low bid to the city purchasing agent, under Proposal No. 788, to furnish 5 miles of 4/0 copper trolley wire. A complete list of the bids received follows:

(1) General Electric Supply Corp.
(2) General Cable Corp.
(3) Columbia Steel Co.
(4) Utilities Equipment Corp.
(5) J. A. Roebblings Sons.

A per 100 lbs; B allowance for reels returned.

	(1)	(2)	(3)	(4)	(5)
A	\$11.28	\$11.78	\$11.86	\$11.38	\$12.09
B	11.00	16.50	11.50	11.00	25.00

All bids were taken under advisement.

STOCKTON, San Joaquin Co., Cal. — Bids will be asked about January 11 to be opened two weeks thereafter, by the city council to construct approximately 4½ miles of municipal belt line railway in connection with the Stockton Deep Water Project. The cost of construction is estimated at \$100,000. Col. B. C. Allin is City Port Director and Lyle Payton, city engineer.

RESERVOIRS AND DAMS

LOS ANGELES, Cal. — E. C. Eaton, chief engineer, County Flood Control District, has completed plans for San Gabriel Dam No. 2. Bids will be asked by the county supervisors next week. The proposed dam will be of the rock fill type with flexible concrete face and will have a height of 290 ft. It will impound approximately 14,000 ac. ft. It will be located approximately nine miles up the west fork of the San Gabriel River.

LOS ANGELES, Calif. — N. I. Fadel, 7827 S Harvard Blvd., awarded contract by county supervisors at \$27,000 for driving outlet tunnel for the San Gabriel Dam No. 2, approximately 1-000 lin. ft. of 16-ft. dia. tunnel. The quantities are:

- (1) 6000 cu. yds. driving of untimbered tunnel complete;
- (2) 400 cu. yds. driving of timbered tunnel complete, including all costs of timbering;
- (3) 3400 cu. yds. excavation for open cut approaches at portals of tunnel.

PROSSER, WASH. — General Const. Co., Seattle, at \$131,386 submitted low bid to U. S. Reclamation Bureau, Denver, Colo., to construct Prosser Power Canal, Power Plant and alterations to Prosser Diversion Dam. See "Power Plants" this issue for complete details and list of bids received.

PIPE LINES, WELLS, ETC.

MARYSVILLE, Yuba Co., Cal. — Until January 12, 3 P. M., under Order No. 4080-CGS, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to furnish f.o.b. trucks or railroad cars at Marysville: (1) 25 drop inlets to be made of 16-gauge corrugated galvanized iron pipe; (2) 25 band couplers, each 12½-in. long, complete, for connecting the 8-in. dia. stubs of the drop inlets to 8-in. dia. corr. iron culverts.

FRESNO, Fresno Co., Cal. — Marius Madsen, 247 Maple Avenue, Fresno, awarded contract by county supervisors to construct a service pipe tunnel at the Fresno County General Hospital involving: 350 cu. yds. earth excavation; 87 cu. yds. reinforced concrete; 2 reinforced concrete manholes with covers; 1 electric light system in conduit with 5 lamp sockets, plug receptacles and 100 watt lamps.

Complete bids will be published in an early issue.

LOS ANGELES, Calif. — Following bids submitted to city purchasing agent under Spec. 2706 to furnish oxy-acetylene or electric welded steel pipe to Dept. of Water and Power, involving:

- (1) 1,035 lin. ft. laying lengths, 45-in. inside dia. welded steel pipe, dipped;
- (2) type of welding;
- (3) 355 lin. ft. 30-in. inside dia. welded steel water pipe, dipped;
- (4) lengths.

	(A)	(B)
(1)	\$6.35	\$6.25
(2)	electric	electric
(3)	\$5.05	\$4.50
(4)	30-ft. lengths	30-ft. lengths

BAKERSFIELD, Kern Co., Cal. — Paul Pinnell, Route 4, Box 49A, Sta. A, Bakersfield, at \$1442 awarded contract by county supervisors to drill water well at Buttonwillow Park. Complete list of bids follows:

Paul Pinnell, Bakersfield	\$1442
P. A. Coe, Wasco	1486
Carl Larsen, Bakersfield	1525
Whitten Bros., Delano	1566
Bradfield & Son, Bakersfield	1444

PALO ALTO, Santa Clara Co., Cal. — E. L. Beach, city clerk, will ask bids shortly for drilling water well on the Middlefield Road; estimated cost between \$5000 and \$6000. Specifications have been completed by J. F. Byxbee Jr., city engineer.

SEWERS AND SEWAGE DISPOSAL PLANTS

LOS ANGELES, Cal. — City council has appropriated \$243,000 from the 1922 sewer bond fund for the completion of the Valley trunk line sewer from its present terminus at the corner of Burbank Blvd. and Kester Ave. west to Topanga Ave. Re-advertising for bids for the construction of two sections will be started in the near future.

INGLEWOOD, Los Angeles Co., Cal. — City Engineer Willis Pfeffer estimates cost of constructing storm drain in district between Hillcrest Blvd. and Prairie Ave., at \$32,393. The system will involve reinforced concrete pipe, manholes, catchbasin, excavation, reconstruction of pavement and incidentals. The drainage area contains 5-697,173 sq. ft.

SANTA ANA, Orange Co., Cal. — Orange County Fair Bureau has prepared for county supervisors a report relative to a proposed county wide sewage reclamation project estimated to cost \$821,000. Two projects are under consideration one costing \$821,000, the other \$738,000. The proposed district will include Santa Ana, Fullerton, Anaheim, Orange, Placentia, Garden Grove, La Habra and Buena Park, each contributing in proportion to the sewage involved. The work will include treatment plants, pipe lines, pumping plants, canals, etc. The proposed plant and system will save 4,250,000 gallons of water per day, according to an estimate by the engineers.

LOS ANGELES, Cal. — Board of Public Works has rejected bids for the following sewer units and new bids will be asked in the immediate future:

North Outfall Sewer, 34-D and 34-C; bids received Aug. 13, 1930. R. A. Watson at \$156,716, using semi-elliptical concrete sewer pipe, low on 34-D; on same section Gen. Mitchell Co. at \$162,032.11 using pre-cast reinforced concrete pipe. On Section 34-C, R. A. Watson, low at \$139,160 for semi-elliptical concrete sewer pipe; Kemper & Cox low at \$155,918 on pre-cast reinforced concrete pipe.

Wilmington Intercepting Sewer, Section No. 1; bids received Oct. 21. Bebek & Brich low at \$186,173 on pre-cast reinforced concrete pipe; Kemper Constr. Co. low at \$149,852.30 semi-elliptical brick concrete sewer pipe.

Wilmington Intercepting Sewer, Section No. 2; bids opened Nov. 18; M. Miller low at \$59,895.

ANAHEIM, Orange Co., Cal. — Until 8 P. M., Jan. 12, bids will be received by city council for furnishing approx. 35,000 lin. ft. of 3½-in. vitrified glazed any conduit or power duct. Specifications obtainable at office of the city clerk, Edward B. Merritt. Certified check 10%.

MODESTO, Stanislaus Co., Calif. — Following contracts awarded by city council to furnish materials for sewer construction, being undertaken as a means to relieve the unemployment

situation, all construction being under the supervision of City Engineer Frank J. Rossi:

Cast iron manhole castings to the Atlas Foundry Co., Modesto; common red brick to San Joaquin Brick Co., Stockton; cement and lumber to Ground Lumber Co., Modesto; corrugated pipe to California Corrugated Culvert Co.; pipe for manholes to United Concrete Pipe Co., Modesto; concrete pipe to United Concrete Pipe Co., Modesto; vitrified pipe to H. A. Trueblood Co., Modesto, and asphaltic concrete pavement to Standard Paving Co., Modesto.

Quantities of materials involved in the above work follow:

26 5-ft. dia. reinforced concrete pipe manholes, tops surfaced 2-ft., manholes to be 12-ft. deep;

26 manhole casings;

8600 red brick (alternate on cement brick);

500 tons of Portland cement;

250 tons asphaltic concrete pavement, in place;

15,000 bd. ft. O. P. lumber, No. 1, rough in following sizes: 2x4-in., 2x6-in., 2x12-in., 4x6-in., 6x6-in.;

190 lin. ft. 14-gauge, corr. iron pipe in 10-ft. lengths;

4110 lin. ft. 18-in. inside diameter bell and spigot sewer pipe;

1025 lin. ft. 16-in. do;

2460 lin. ft. 12-in. do;

860 lin. ft. 10-in. do;

VENTURA, Ventura Co., Cal.—D. C. McMillan, city engineer, is completing plans for a sewer system for the Ventura Beach tract, estimated to cost \$30,000. This system will be located west of Pierpont Bay. The estimated quantities are:

(1) 3034 ft. 15-in. vitrified sewer;

(2) 704 ft. 10-in. do;

(3) 1852 ft. 8-in. do;

(4) 25,922 ft. 6-in. do;

(5) 60 type B manholes;

(6) 19 drop manholes;

(7) one type A manhole;

(8) two booster pumps;

(9) 7600 lin. ft. pavement to be replaced (cem. conc. and asphalt paving).

LOS ANGELES, Cal.—Until 10 A. M. Jan. 13, bids will be received by the board of public works for the construction of Section No. 1 Extension of the San Pedro Intercepting Sewer, between 36th St. and Shepard Street, involving:

(1a) 1393.7 lin. ft. of vitrified clay pipe sewer and 602 lin. ft. vitrified clay pipe house connection sewer, including chimney pipes, concrete reinforcement, tunnels, structures, and all required appurtenances complete.

(1b) 1014.60 lin. ft. of vitrified clay pipe sewer, including concrete reinforcement, structures, and all required appurtenances complete.

ALAMEDA, Alameda Co., Cal.—Bids will be asked shortly by Capt. Leander Larson, Constructing Quartermaster, Benton Air Depot, 33 Pacific Ave., Alameda, to construct drainage system in connection with the Benton Air Depot Project.

MISCELLANEOUS CONSTRUCTION

SUNNYVALE, Santa Clara Co., Cal.—Until January 27, 11 A. M., under Specification No. 6758, bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for 2,000,000-ft. capacity, four-lift telescopic type, gas holder at the Naval Air Station, Sunnyvale. Specifications obtainable from the Commandant, Twelfth Naval District, 100 Harrison St., San Francisco, on deposit of \$10, returnable, checks for

same to be made payable to Chief of the Bureau of Yards and Docks.

See call for bids under official proposal section in this issue.

LONG BEACH, Cal.—January 19 has been set as tentative date for the \$2,973,500 unemployment relief bond issue. The propositions approved by the bond attorneys and which will appear on the ballot are:

Public boat landing.....	\$300,000
Street improvements and storm drains.....	430,000
Naples canal walls & Belmont Shore sea walls and groins.....	225,000
Street improvements, including pedestrian tunnels for school children and the Pacific Ave. underpass.....	772,000
Water works improvements.....	104,500
Comfort stations.....	121,000
North Long Beach Reclamation plant.....	250,000
Municipal stadium.....	215,000
Parks and playgrounds.....	381,000
Veterans' Memorial home.....	125,000
North Long Beach police sub-station.....	20,000
North Long Beach public library.....	30,000
	34

WATERWORKS

SUNNYVALE, Santa Clara Co., Cal.—Until January 27, 11 A. M., under Specification No. 6758, bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for one 200,000-gallon steel water tank on 100-ft. steel tower at the Naval Air Station, Sunnyvale. Specifications obtainable from the Commandant, 12th Naval District, 100 Harrison St., San Francisco, on deposit of \$10, returnable, checks for same to be made payable to the Chief of the Bureau of Yards and Docks.

PANAMA CANAL—Until January 14 10:30 A. M., under Schedule No. 2717, bids will be received by Purchasing Officer, Panama Canal, Washington, D. C., to furnish and deliver Cristobal or Balboa, 1,800 ft. c. i. water pipe, flexible joint, 12-in. diameter in 12-ft. lengths; Class B, except joints to be Type 2 ("Metropolitan"). Specifications obtainable from the Assistant Purchasing Officer, Fort Mason, San Francisco.

ALAMEDA, Alameda Co., Cal.—Bids will be asked shortly by Capt. Leander Larson, Constructing Quartermaster, Benton Air Depot, 33 Pacific Ave., Alameda, to furnish and install a deep well pump in connection with domestic water system at the Benton Air Depot.

BURBANK, Los Angeles Co., Cal.—Until January 12, 7:30 P. M., bids will be received by city council for furnish cast iron pipe, l.o.b. trenchline as follows:

- (1) 2080 ft. 1-in. cast iron pipe, class C, or class 250, with a min. wall thickness of 0.83 in.
- (2) 3872 ft. 78-in. C. I. pipe, class B, or class 200, with a min. wall thickness of 0.74 in.

To be cement mortar lined. W. S. Patterson, city manager, 272 North Olive Ave., Burbank.

OAKLAND, Calif.—Art Concrete Works, 24th and Adeline Sts., Oakland, at \$0.195 per box, awarded contract by East Bay Municipal Utility District to furnish 2,000 approved concrete meter boxes and \$0.35 each, for 2,500 covers for meter boxes.

OAKLAND, Calif.—W. Vernon Bernard, 3045 Humboldt St., Oakland, at \$2,832 awarded contract by East Bay

Municipal Utility District to furnish 600 lin. ft. 36-inch reinforced concrete pipe for Lafayette Wasteway.

OAKLAND, Calif.—California Steel Products Co., 452 Bay St., San Francisco, at \$992 awarded contract by the East Bay Municipal Utility District to furnish 25,000 gallon steel water tank.

OAKLAND, Cal.—Pacific States C. I. Pipe Co., 111 Sutter St., San Francisco, at \$1,480 awarded contract by East Bay Municipal Utility District to furnish 8,000 ft. 2-in. pipe.

SAN FRANCISCO.—Following bids received by Leonard S. Leavy, city purchasing agent, under Proposal No. 738, to furnish and deliver concrete meter boxes, lids and covers for the San Francisco Water Department, all bids being taken under advisement: (A) Fornl Manufacturing Company. (B) Art Concrete Works. (C) Municipal Bureau of Building Repair.

Boxes for ½-, ¾- and 1-in. Meters	(A)	(B)	(C)
Lid.....	\$.42	\$.45	\$.50
Covers.....	.38	.40	.25
Covers for 1½- and 2-in. Meters	(A)	(B)	(C)
Frame.....	\$1.54	\$1.55	\$1.75
Lid.....	.38	.40	.25
".....	.38	.40	.25
* Extra lids for old style boxes.			

SUNNYVALE, Santa Clara Co., Cal.—Bids will be asked shortly by the Bureau of Yards and Docks, Navy Department, Washington, D. C., to furnish and erect a 200,000-gallon water tank on 100-ft. tower at the Navy Drigible Base at Sunnyvale. The work is provided for under Specification No. 6758.

NORTH SACRAMENTO, Cal.—City Manager Carl Knight has been instructed to prepare estimates of cost on two municipal water system propositions, either of the two projects selected to be financed by a bond issue to be held next April.

Proposition No. 1 is to bond the city for approximately \$85,000, which will give North Sacramento a municipally-owned water distribution plant, including fire protection. This plan would be a modification of a proposed project originally submitted by Knight having three wells.

Proposition No. 2 indenting the city to the extent of \$10,000 or more will provide fire protection through the mains of the Public Utilities Company, which will agree to furnish water free if the city will install and purchase fire hydrants.

STOCKTON, San Joaquin Co., Cal.—Until January 19, 3 P. M., under Circular Proposal No. 32-221, Specifications No. 3795, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, for pumping water form areas in Venice and Mandeville Islands, in the San Joaquin River, accumulated therein from the operations of a 20-inch suction dredge in building levees across these islands. Work will involve the furnishing, installation and operation for a period of about 200 working days a pumping plant of not less than 17,000 gallons per minute normal operating capacity under a total head of about 12 feet. The maximum distance from the sumps to the pumping stations will be approximately 150 feet, and the maximum distance to which the discharge pipes must be carried from the levee is estimated to be approximately 75 feet; but the pipes must be extended beyond that length if, in the opinion of the contracting officer, ex-

it is necessary to prevent scour or erosion to the banks or levees of the river.

PASCO, Wash.—AMERICAN C. I. Pipe Co. at \$1.09 ft. awarded contract by city council to furnish 10-in. c. i. pipe, and at \$.38 ft. for 6-in. pipe. Other bidders:

Pacific States C. I. Pipe Co., \$1.17 for 10-in., \$.61 for 6-in.

Clare Co., \$1.21 for 10-in., \$.61 for 6-in.

In all, 5,625 ft. of pipe is required.

BURBANK, Los Angeles Co., Cal.—Until 7:30 P. M., Jan. 12, bids will be received by city council to furnish f.o.b. trenching, cast iron pipe as follows:

(1) 2080 ft. 1-in. cast iron pipe, Class C, AWWA specifications, or Class 250, with a minimum wall thickness of 0.83 inch;

(2) 3872 ft. 18-in. C. I. pipe, Class B, AWWA specifications, or Class 200, with a minimum wall thickness of 0.74 inch.

This pipe is to be cement mortar lined. W. S. Patterson, city manager, 272 North Olive Ave., Burbank.

EUGENE, Ore.—Bids will be asked shortly by Municipal Water Board, Carl A. McClain, superintendent, to install water pump at filter plant; to have 6,000,000-gal. capacity per day.

SACRAMENTO, Cal.—Until Jan. 14, 8:15 P. M., bids will be received by H. G. Denton, city clerk, to furnish cast iron pipe, as follows:

(1) 3,000 ft. 4-in.;

(2) 1,500 ft. 6-in.

Certified check 5% payable to City Controller required with bid.

ALAMEDA, Alameda Co., Calif.—Huber Company, 9317 S Alameda St., Los Angeles, submitted low bid to the Constructing Quartermaster, for 200,000-gallon steel water tank to be constructed at the new Benton Field Air Depot, Alameda. Following is a complete list of the bids:

(1) 4 leg tank; (2) 6 leg tank.

Huber Co., Los Angeles, (1) \$15,190; (2) \$16,780.

Herrick Iron Works, Oakland, (1) \$17,886; (2) \$18,340.

Pittsburgh-Des Moines Steel Co., S. F., (1) \$18,700; (2) \$17,600.

Chicago Bridge & Iron Co., S. F., (1) \$19,025; (2) \$18,500.

Tibbett & Wood, Phillipsburg, New Jersey (2) \$22,430.

Bids held under advisement.

STREETS AND HIGHWAYS

SANTA BARBARA, Cal.—City Engineer E. B. Brown announces plans to improve three streets to be undertaken during the current year, involving improvement of Alameda, Padre Serra, \$22,000; Solá St., Castillo to Euclid St., \$2,820.13; Mission Street, San Andres to Robbins St.; Chino Street, Micheltorena to Mission St.; Gillespie St., Micheltorena St. to Verhelle nursery and Robbins St., Victoria to Mission Sts., \$80,000; Micheltorena St. and Clear View road in Robertson-Schurmeier tract and Alberta Ave., \$15,000; El Sol St. Acosta tract, \$15,000; Encinal Ave., \$4,100 and Harbor View Heights Sts., \$7,400.

SAN DIEGO and Imperial Counties, Cal.—Mattich Bros., Elsinore, at \$289,865.10 awarded contract by the State Highway Commission to grade and pave with Portland cement concrete, 14.6 miles between Tecate Divide and Mt. Springs grade. Complete bids published in issue of January 4.

OAKLAND, Alameda Co., Cal.—W. H. Larson, 2805 Parker St., Berkeley,

at \$4880 submitted low bid to East Bay Municipal Utility District to furnish material and do all necessary work to repair approximately 20,000 sq. ft. of bituminous surfacing of street pavements.

SAN JOSE, Santa Clara Co., Cal.—County supervisors have provided funds to finance the following road improvements during the year 1932:

Road District No. 1

New avenue near Gilroy, estimated cost, \$24,000; macadamizing; Gilman Ave. and 6th St., on outskirts of Gilroy, \$9,000; macadamizing;

Foothill Ave., \$12,000; macadamizing; McKeen Road in the Uvas District, \$10,000; macadamizing.

Road District No. 2

Widen and straighten Mt. Hamilton Road from base at Alum Rock Ave. to summit, \$15,000;

King and Aborn Avenues, on outskirts of East San Jose, \$28,000; resurface;

San Felipe Road, improve, \$2,500;

Piercy Road, improve, \$3,500.

Road District No. 3

Capitol Ave., near the eastern foothills, resurface, \$20,000;

Calaveras Road from Milpitas to the county limits near the Calaveras dam, macadamizing, \$10,000;

Alviso Road through Alviso, macadamizing, \$15,000.

Road District No. 4

Saratoga Ave., resurfacing, \$16,000;

Race St. near O'Connor Sanitarium, \$3,000; macadamizing;

Main and Exlar Sts., near Campbell, \$1,800; improve;

Homestead and Lexington Streets, near Santa Clara; macadamizing, \$19,000;

Improve Agnes road, \$7,000;

Mooser road in the Almaden Dist., \$13,000; macadamizing;

Improve Coffin road, \$1,200;

Foot bridge at Lincoln Avenue near Willow Glen, \$2,000.

Road District No. 5

Los Gatos-Sunnyvale road, \$30,000; widen and improve;

Moffet Blvd. from Mt. View to irrigable base at Sunnyvale \$22,000; grade and macadamize;

Matilda Ave. near Sunnyvale, \$20,000; macadamizing;

Junipero Serra Blvd. running thru Stanford University Campus, \$20,000, preliminary work in connection with this project;

Improve Rincon Ave. near Campbell, \$5,000; San Tomas Aquino Road near Campbell, \$4,000; Burrows and San Tomas roads near Campbell, \$3,000; Pollard road near Campbell, \$6,000.

Howard Chandler is county surveyor of Santa Clara County and Henry J. Pfister, county clerk.

PLACER COUNTY, Calif.—Lang

Transportation Co., 5501 Santa Fe Ave., Los Angeles, at \$358,419.95, awarded contract by State Highway Commission to grade approximately 11.5 mi. between Gold Run and Airport. Complete bids published in issue of Dec. 28.

SAN FRANCISCO.—Frank Reilly,

6350 Fulton St., at (A) \$1,469 for roads and at (B) \$1,083 for sidewalks, total \$2,551, submitted low bid to the Constructing Quartermaster, Fort Mason, for service roads and sidewalks for seven sets of double officers' quarters at the Presidio. Following is a complete list of bids received:

Frank Reilly (A) \$1,469; (B) \$1,083; total \$2,551.

A. J. Raich, not figured separately; total \$2,794.

Helwig Const. Co., (B) \$1,000; total \$3,575.

Edison & Smith, (A) \$2,500; (B) \$900; total \$3,400.

Pacific Pavements Co., (A) \$2,795; (B) \$821; total \$3,616.

Jas. Currie, total \$3,800.

W. McHugh, (A) \$2,955; (B) \$861; total \$3,821.

Paul F. Spidel, (A) \$3,232; (B) \$1,032; total \$4,264.

L. Lambretti, (A) \$1,500; (B) \$3,600; total \$5,100.

A. J. Henderson, (B) \$1,142.

L. Sartorius, (B) \$792.

LOS ANGELES, Cal.—Until Jan. 25, 2 P. M., bids will be received by county supervisors to improve Vermont Ave. and Bixby Ave. from Ocean Ave. to Normandie Ave. and Amaranth Ave.

and Normandie Ave. bet. Lomita Blvd. and Vermont Ave., 18,400 lin. ft. or 3.48 miles, involving in the main;

107,016 cu. yds. excavation;

127,291 cu. yds. fill in place complete;

411,542 sq. ft. 9-7-7-9-in. conc. pave.

with disintegrated rock sub-base on old subgrade;

59,745 sq. ft. 5-in. disintegrated rock pave. with rock and old wearing surface on old sub-base;

226,563 sq. ft. 4-in.

9860 sq. ft. 3-in. asph. conc. base;

43,825 sq. ft. 2-in. asph. conc. wearing surface;

33,965 sq. ft. 4-in. asph. conc. base and 5-in. disintegrated rock sub-base;

drainage structures, etc.

LOS ANGELES, Cal.—Until 10 A. M., Jan. 27, new bids will be received by Board of Public Works to improve streets in Morningside Way and Glynndon Ave. Imp. District (1911 Act) involving:

(1) grading (7376 cu. yds. cut, 53 cu. yds. fill);

(2) 170,497 sq. ft. National asph. concr. paving, 7-in. thick, 2-in. wearing surface, 5-in. asph. conc. base;

(3) 1565 sq. ft. National asph. concr. pave, 4-in. thick (2-in. W. S., 4-in. asph. concr. base);

(4) 1884 sq. ft. conc. pave, 7-in. thick;

(5) 2443 ft. unplas. light curb;

(6) 7423 sq. ft. one-course sidewalk;

(7) 13,542 sq. ft. concrete gutter, 7-in. thick;

(8) fire hydrants and appurtenances, complete.

Removals: 1031 ft. curb, 1213 sq. ft. walk, 488 sq. ft. driveway, incl. in yardage; 22 stumps.

Previous bids, opened July 29 were rejected.

SAN FRANCISCO.—Until January 8, bids will be received by S. J. Hester, secretary, Board of Public Works, to improve Rutledge Street between Alameda and Peralta Ave. (where not already improved) involving:

(1) 150 ft. armored concrete curb;

(2) 40 ft. 6-in. V.C.P. side sewer;

(3) 1,125 sq. ft. Class E conc. pave.

Certified check 10% payable to the Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineering, 3rd floor, City Hall.

WHITTIER, Los Angeles Co., Cal.—City council rejects only bid received for repairs and maintenance work on streets and has ordered the work done by the city. The improvements involve:

(1) 50,000 sq. ft. 6-in. conc. gutter;

(2) 5000 ft. curb;

(3) 100,000 sq. ft. rock and oil surf.;

(4) 75 cu. yds. reinf. concrete in culverts and catchbasins.

Griffith Co., submitted only bid as follows: (1) 35c, (2) 70c, (3) 7c, (4) \$30.

SAN FRANCISCO.—Eaton & Smith, 715 Ocean Ave., at \$1,967.50 submitted low bid to Board of Public Works to improve Felton St. between Colby and Dartmouth Sts. for the San Francisco Water Department, involving:

- (1) 300 feet curb;
- (2) 1 brick catchbasin;
- (3) 25 ft. 10-in. V.C.P. culverts;
- (4) 6000 sq. ft. asphalt conc. pavement.

Bids follow:

(A) Eaton & Smith.....\$1,967.50
(B) Fay Improvement Co.....2,125.00

Unit bids follow:	(A)	(B)
(1)	\$.90	\$.90
(2)	100.00	125.00
(3)	1.00	2.00
(4) .....	.26	.28

SAN FRANCISCO.—Fay Imp. Co., Phelan Bldg., at \$4,448.66 submitted low bid to Board of Public Works to improve west one-half of 36th Avenue between Quintara and Rivera Streets, involving:

- (1) 634 sq. ft. unarmored concrete curb;
- (2) 650 sq. ft. 1-course concrete curb;
- (3) 2 brick catchbasins;
- (4) 70 ft. 10-in. V.C.P. culverts;
- (5) 16,893 sq. ft. asphalt conc. pave.

Complete list of bids follows:

(A) Fay Improvement Co.....\$4,448.66
(B) C. L. Harney.....5,202.57
(C) Eaton & Smith.....5,293.91

	(A)	(B)	(C)
(1)	\$.60	\$.78	\$.50
(2) .....	.18	.20	.13
(3)	80.00	100.00	100.00
(4)	1.00	1.50	1.50
(5) .....	.22	.25	.27

GLENDALE, Los Angeles Co., Cal.—Until Jan. 14, 10 A. M., bids will be received by city council to improve Glendale and Verdugo Avenues, involving:

- (1) 6400 ft. curb;
- (2) 11,600 sq. ft. 8-in. gutter;
- (3) 90,500 sq. ft. 4-in. asphalt concrete base;
- (4) 172,000 sq. ft. 2-in. asphalt concrete wearing surface.

Plans obtainable from J. C. Albers, city engineer.

STOCKTON, San Joaquin Co., Cal.—Perera and Reed, Tracy, at \$5,891 awarded contract by county supervisors to grade and surface Libby Rd., involving:

- (1) 5100 cu. yds. grade;
- (2) 1500 cu. yds. imported dirt;
- (3) 2700 tons base course;
- (4) 245 tons crushed rock;
- (5) 110 tons rock chips;
- (6) 90 tons pea gravel;
- (7) 60 barrels fuel oil;
- (8) 25 tons asphaltic oil.

Complete list of total bids follows:

(A) Perera & Reed, Tracy.....\$5,891
(B) Geo. French, Jr., Stockton.....6,182
(C) W. W. Wood, Stockton.....6,885
(D) Willard & Biasotti, Stockton.....7,090

(E) Delta Dredging Co., Stockton.....7,315

Complete list of unit bids follows:	(A)	(B)	(C)	(D)	(E)
(1)	\$.12	\$.12	\$.15	\$.15	\$.15
(2) .....	.22	.25	.35	.30	.30
(3)	1.32	1.38	1.50	1.57	1.70
(4)	2.00	2.00	2.25	1.92	2.09
(5)	2.00	2.00	2.25	1.92	2.44
(6)	2.00	1.90	2.25	1.92	2.44
(7)	1.75	2.00	2.00	1.60	2.00
(8)	15.00	18.00	18.00	16.00	15.00

LOS ANGELES, Cal.—Until 10 A. M. Jan. 20, bids will be received by the board of public works to improve 36th St. Extension (Cabrillo Beach Drive), bet. Bluff Place and Pacific Avenue, Cash contract, involving:

- (1) grading (19,847 cu. yds. excavation, 4965 cu. yds. fill);
- (2) 85,719 sq. ft. asphalt conc. pavement (2-in. wearing surf. on 4-in. concrete base);

- (3) 862 sq. ft. 6-in. conc. pavement;
- (4) 146 sq. ft. 9-in. do;
- (5) 6276 sq. ft. oiled roadway;
- (6) 2765 ft. unplas. heavy curb;
- (7) 1275 ft. reinf. integral curb;
- (8) 5467 sq. ft. 6-in. concrete gutter;
- (9) 18,325 sq. ft. 1-course walk;
- (10) storm drain and appurtenances.

SAN BERNARDINO, Riverside and Imperial Cos., Calif.—Until Jan. 20, 2 P. M., bids will be received by the State Highway Commission to apply a traffic stripe to about 570.8 miles of pavement.

ARIZONA STATE.—Until 2 P. M. Jan. 13, bids will be received by State Highway Commission, Phoenix, for highway construction in the Blythe-Wickenburg Highway, Federal Aid Project No. 98-A. The work, which begins at a point approximately 19 miles west of Wickenburg and extends east to Wickenburg, consists of grading, draining and placing subgrade stabilizer and is to be completed before Oct. 31, 1932. The approximate quantities are:

- ROADWAY**
- 104,000 C. Y. rdwy. excav.;
 - 9,400 C. Y. drainage excav.;
 - 2,400 C. Y. slides and overbreakage;
 - 1,500 C. Y. struc. excav.;
 - 81,400 C. Y. borrow excav.;
 - 95,600 sta. yds. earthwork overhaul;
 - 43,200 C. Y. subgrade stabilizer;
 - 143,500 C. Y. m. subgrade stabilizer, haul;
 - 670 C. Y. concrete;
 - 25,800 lbs. reinforcing steel;
 - 1,512 lin. ft. 24-in. C.M.P.;
 - 212 lin. ft. 30-in. C.M.P.;
 - 1,158 lin. ft. 36-in. C.M.P.;
 - 15 C. Y. plain riprap;
 - 1 cattle guard;
 - 1,840 lin. ft. line fence.

- BRIDGES**
- 2,000 C. Y. drainage excavation;
 - 2,700 C. Y. drainage excavation;
 - 10 C. Y. Class "A-A" concrete;
 - 1,912 C. Y. Class "A" concrete;
 - 119 C. Y. Class "E" concrete;
 - 200,300 lb. reinforcing steel;
 - 8 fixed plate bridge seats;
 - 8 expansion rocker bridge seats.

Plans obtainable from State Highway Engineer, T. S. O'Connell upon deposit of \$10. Certified check 5%.

LOS ANGELES, Cal.—John Papac, 726 N. Hill St., at \$154,487.65 awarded contract by Board of Public Works to improve streets in Venice Blvd. and West Blvd. Imp. Dist., involving in the main: 18,668 cu. yds. excav. and 5976 cu. yds. fill; 207,233 cu. ft. 7-in. compressed concrete pavement; 60,350 sq. ft. compressed concrete pave. (varying thickness, average 7½-in.); 166 tons asphalt conc. wearing surface; 233 tons asphalt conc. base; storm drain; sanitary sewer; ornamental street lighting system.

CALIFORNIA.—C. H. Purcell, California State Highway Engineer, Sacramento, has announced a list of fifty-five highway and bridge construction projects to be constructed in the state during the current year. The projects listed represent a total of \$4,884,200. The itemized list follows:

ALAMEDA COUNTY.—Dublin to Hayward; paving; 9.5 miles; \$600,000.
ALPINE COUNTY.—Near Lake Alpine; grading and surfacing; 5.0 miles; \$50,000.

AMADOR COUNTY.—Drytown to Martell; bitulithic surfacing; 7.2 miles; \$22,000.

BUTTE COUNTY.—Pulga to County Line; grading and surfacing; 8.0 miles; \$483,400.

BUTTE COUNTY.—Borders Creek; bridge; \$41,000.

BUTTE COUNTY.—West Branch

Creek; bridge; \$45,000.

BUTTE COUNTY.—Oroville to Feather River; oil rock surfacing; 4.1 miles; \$16,600.

CALAVERAS COUNTY.—1.8 to 3.5 mi. n. of Angels Camp; grade and surfacing; 1.6 miles; \$25,000.

CONTRA COSTA COUNTY.—Through Crockett; paving; \$35,000.
CONTRA COSTA COUNTY.—San Pablo Cr. to Carquinez Bridge; paving; 5.6 miles; \$295,000.

DEL NORTE COUNTY.—Along Smith River; slope protection; \$44,500.

DEL NORTE COUNTY.—Crescent City to Elk Valley; bituminous surfacing; 5.3 miles; \$83,800.

EL DORADO COUNTY.—In Placerville; paving; 0.4 mile; \$40,000.

FRESNO COUNTY.—At Calwa; grade separation; \$7,000.

FRESNO COUNTY.—Fresno to Fancher Creek; paving; 3.1 miles; \$216,200.

GLENN COUNTY.—In Willows; paving; 0.4 mile; \$25,000.

HUMBOLDT COUNTY.—Benbow Bridge approach; grading and oil surfacing; 0.5 mile; \$30,000.

HUMBOLDT COUNTY.—Blue Lake to N. Fork Mad River; grading; \$24,000.

LAKE-LOUISA COUNTIES.—Abbott Mine to 5 mi. west of Williams; bitulithic treated surfacing; 18.9 miles; \$193,000.

MENDOCINO & SONOMA COUNTIES.—Cloverdale to Hopland; grade and surfacing; 17.3 miles; \$300,000.

MENDOCINO COUNTY.—Little Dam Cr. to Leggett; grading and surfacing; 1.3 mile; \$85,000.

MERCED COUNTY.—Merced River; bridge and appurtenances; 0.2 mile; \$215,000.

MERCED COUNTY.—At Bear Creek; bridge and overhead; \$70,000.

MERCED COUNTY.—At San Joaquin River; paving; 0.2 mile; \$15,000.

MONTEREY COUNTY.—At Soledad; grade separation and appurtenances; 1.2 miles; \$96,000.

MONTEREY COUNTY.—Rocky Creek; bridge; \$105,000.

MONTEREY COUNTY.—San Remo Divide to Carmel River; grading and surfacing; 3.4 miles; \$176,000.

NEVADA COUNTY.—Nevada City to Washington Road; oil surface; 11.8 miles; \$41,000.

PLACER COUNTY.—At Towle; grade separation; \$20,000.

PLACER-YUBA COUNTIES.—Lincoln to Sheridan and Wheatland to Dry Creek; asphaltic concrete paving; 8.4 miles; \$63,000.

SACRAMENTO COUNTY.—Sacramento to McConnell; grade widening; 11.8 miles; \$185,000.

SACRAMENTO COUNTY.—Concunnes River to McConnell; paving; 1.5 miles; \$26,000.

SACRAMENTO COUNTY.—McConnell; grade separation; \$86,500.

SAN JOAQUIN COUNTY.—Mossdale to Manteca; paving; 4.2 miles; \$174,000.

SAN JOAQUIN COUNTY.—Nile Garden; grade separation; \$36,000.

SAN JOAQUIN COUNTY.—Paradise Cut; bridge; \$77,500.

SANTA CLARA COUNTY.—Mulia and Alameda Crossing; grade separation; 9.5 miles; \$75,000.

SANTA CLARA COUNTY.—Ware Ave. to Stephens Cr. Road; paving; 3.5 miles; \$70,000.

SANTA CLARA COUNTY.—Oregon Ave. to Alviso Road; grade and bitulithic macadam; 6.2 miles; \$359,000.

SANTA CLARA COUNTY.—Stephens Creek; bridge; \$46,900.

SANTA CLARA COUNTY.—Madrone Crossing; grade separation; \$110,000.

SANTA CLARA AND SANTA CRUZ COUNTIES.—Saratoga Gap to Black Road; grading and surfacing; 4.0 miles; \$390,000.

SANTA CRUZ COUNTY—Inspiration Point to Vine Hill Road; grading and surfacing, 6.5 miles; \$360,000.

SHASTA-LASSEN COUNTIES—Fall River to Hillside, bituminous surfacing, 18.9 miles; \$25,000.

SHASTA COUNTY—Diddy Hill to Round Mt., bituminous surfacing, 8.7 miles; \$29,000.

SHASTA COUNTY—Hat Creek Summit to Fall River; grading; 8.8 miles; \$181,260.

SISKIYOU COUNTY—Beaver Creek grade approach, 6.4 mile; \$15,000.

SISKIYOU COUNTY—Cottonwood Creek, grading and surfacing; 0.8 mile; \$27,000.

SISKIYOU AND HUMBOLDT COUNTIES—Weitchsee to Happy Camp; grading and bridge; \$90,000.

STANISLAUS COUNTY—Stanislaus River, bridge and appurtenances; \$165,000.

SOLANO COUNTY—At Rio Vista; paving, 0.8 mile; \$28,600.

SOLANO COUNTY—In Vallejo; paving, 0.3 mile; \$7,000.

SOLANO COUNTY—Betw. Cordelia and Farnhill; paving and bridge; 5.7 miles; \$319,600.

TULUMUNE RIVER—Sonora to ½ mi. east; grade and surfacing; \$27,400.

YOLO COUNTY—West of Causeway; paving, 1.3 miles; \$70,000.

SOUTHERN CALIFORNIA

IMPERIAL COUNTY—Sand Hills to 5 miles west of Yuma, paving, 9 miles; \$441,000.

IMPERIAL COUNTY—Grading and paving of 14.7 miles of the Border Highway between Coyote Wells and Dixieland; \$598,000.

KERN COUNTY—Relocation of the Grapevine grade for 3 miles south of Grapevine Station to connect the Ridge Route with a long straightway into Bakersfield, eliminating several dangerous curves; \$520,000.

KERN COUNTY—Kern River bridge; \$400,000.

KERN COUNTY—Beardsley Canal, bridge; \$16,000.

KERN COUNTY—Bakersfield to Beardsley Canal, paving, 2.9 miles; \$236,000.

LOS ANGELES COUNTY—In Montebello, paving, 1.5 miles; \$75,000.

LOS ANGELES COUNTY—Santa Ynez Canyon to Santa Monica, paving, 2.6 miles; \$215,800.

LOS ANGELES COUNTY—Topanga Canyon to Las Flores Canyon, paving, 3.2 miles; \$80,000.

LOS ANGELES COUNTY—Pomona to Los Angeles, paving, 11.1 miles; \$640,000.

LOS ANGELES COUNTY—Pomona to Brea Canyon, paving, 6 miles; \$350,000.

LOS ANGELES COUNTY—Through El Segundo, paving, 2 miles; \$100,000.

LOS ANGELES COUNTY—Pasadena to Monrovia, paving, 3.6 miles; \$150,000.

LOS ANGELES COUNTY—Jefferson St. to El Segundo, overhead crossing at Pacific Electric tracks at Station 66 near Culver City; \$175,000.

LOS ANGELES COUNTY—Grading and paving 7.4 miles from Las Flores to Santa Ynez; \$294,000.

LOS ANGELES COUNTY—Grading and construction of bridges along 5 miles of the Tujunga-La Canada Road; \$127,000.

LOS ANGELES COUNTY—Paving of 10.5 miles from Sepulveda Blvd. to Calabasas; \$209,000.

LOS ANGELES COUNTY—Bridge structures on highway from Canton Creek to Pine Creek on the Ridge Route, Alternate; \$492,103.

MONO COUNTY—Walker River, bridge; \$15,000.

MONO COUNTY—Bridgeport to Sonora Junction, oil rock surfacing, 15 miles; \$150,000.

ORANGE COUNTY—Grading and paving from Dana Point to Laguna Beach, 5.6 miles; \$470,000.

ORANGE COUNTY—Grading and paving from Irvine to Tustin, 5.7 miles; \$184,096.

ORANGE COUNTY—Grading and paving 3.7 mile between Newport and Corona Del Mar; \$203,233.

ORANGE COUNTY—In Fullerton, paving, 1.9 miles; \$117,000.

ORANGE COUNTY—At Anaheim Bay, bridge; \$70,000.

RIVERSIDE COUNTY—Blythe to Colorado River, grade and surfacing, 4.1 miles; \$106,000.

RIVERSIDE COUNTY—Grading and surfacing of 16 miles of the Mecca-Blythe Road at a cost of about, \$700,000.

RIVERSIDE COUNTY—Grading and surfacing of the Imperial-Coachella Valley Highway, 14.6 miles, at a cost of approximately \$371,400.

SAN BERNARDINO COUNTY—End of pavement to Camp Waterman, grading and surfacing, 5 miles; \$650,000.

SAN BERNARDINO COUNTY—Grading and surfacing from Baker to a point 10 miles east; \$334,498.

SAN BERNARDINO COUNTY—Grading and paving the west entrance to San Bernardino; \$150,000.

SAN DIEGO COUNTY—Grading and laying concrete pavement, 14.6 miles between Tecate Divide and Boulder, \$440,000 (portion of this job are in Imperial County).

SAN DIEGO COUNTY—Grading and paving portions of El Cajon-Las Coches Creek Road, 3.5 miles; \$191,566.

SAN DIEGO COUNTY—Paving portions of San Diego-Oceanside Road, 2.9 miles; \$87,000.

SAN DIEGO COUNTY—Grading 0.3 mile between Carlsbad and Oceanside; \$5300.

SAN LUIS OBISPO COUNTY—Grading and surfacing 8.6 miles between Cambria and San Simeon; \$210,000.

SAN LUIS OBISPO COUNTY—Between Cambria and San Simeon, bridges; \$90,000.

SANTA BARBARA COUNTY—Construction of a bridge across Los Alamos Creek; \$31,000.

TULARE COUNTY—Grading and paving from Plaza Garage to Goshen and Plaza Garage to a point 0.3 mile westerly, a total of 5.8 miles; \$272,000.

TULARE COUNTY—Grading and surfacing 10.6 miles from Lemon Cove to Three Rivers; \$350,000.

TULARE COUNTY—Plaza Garage grade separation; \$50,000.

VENTURA COUNTY—Grading and paving 4.5 miles between Ventura and El Rio, \$100,000.

VENTURA COUNTY—Widening pavement, 1.1 miles, between Oxnard and El Rio, \$26,400.

VENTURA COUNTY—Ventura northward, paving and bridge, 1 mile, \$340,000.

MISCELLANEOUS CONSTRUCTION

Contract Awarded.

ADDITION Cost, \$—
LONG BEACH, Los Angeles Co., Cal. Cherry Ave. and San Antonio Drive.

Two and three-story reinforced concrete mausoleum addition (275x 50 feet).

Owner—Sunside Mausoleum Co., 47 American Ave., Long Beach.

Architect—Clarence N. Jay, 871 E. Washington St., Pasadena.

Contractor—Cecil E. Bryan, 2310 N. Marengo St., Altadena.

Contract Awarded.

BROADCASTING STA. Cost, \$7,000
BAKERSFIELD, Kern Co., Calif.

Radio broadcasting station (steel tube mast 165-ft. high).

Owner—James McClatchy Company.
Architect—Edwin J. Symmes, Haberfelde Bldg., Bakersfield.

Contractor—F. A. Greenough, 130 Lincoln St., Bakersfield.

Electrical—Acme Electric Co., Bakersfield.

Antenna—International Derrick and Equipment Co., Bakersfield.

Completing Plans.

ROWING COURSE Cost, \$40,000
LONG BEACH, Los Angeles Co., Cal.

Rowing course (boat house, 550 shells; grandstand to seat 10,000, floats, showers, judges' stands, etc.)

Owner—Tenth Olympiad Committee.
Engineer—Rumley DeWitt, W. M. Garland Bldg., Los Angeles.

SAN FRANCISCO—Until January 12, 3 P. M., under Proposal No. 791, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish lumber (Class 1) as required by city during semi-annual term commencing January 1 and ending June 30, 1932.

MISCELLANEOUS SUPPLIES AND MATERIALS

PORTLAND, Ore.—Until January 26, 10 A. M., bids will be received by Frank Coffmerry, city purchasing agent, 208 City Hall, to furnish and install police broadcasting system. Specifications obtainable from the Bureau of Purchases, 208 City Hall.

SAN FRANCISCO—Following firms awarded contracts by City Purchasing Agent, Leonard S. Leavy, under Proposal No. 764, to furnish and deliver paints, painters' supplies and glass for term commencing January 1 and ending December 31, 1932: W. P. Fuller & Co.; Doidge-Koren Paint Co.; Garrett M. Goldberg & Co.; Dan P. Maher Paint Co.; General Paint Corp.; Glidden Co. of Calif.; Certain-Teed Products Co.; Tyne Bros. Glass & Paint Co.; National Lead Co. of Calif.; Arthur A. Goepf, Inc.

SAN FRANCISCO—Following firms awarded contracts by City Purchasing Agent, Leonard S. Leavy, to furnish linseed oil, shellac, turpentine, lead, litharge, mineral brown and putty for the triannual term commencing Jan. 1 and ending April 30, 1932, under Proposal No. 765: Sherwin Williams Co. of Calif.; W. P. Fuller Co.; National Lead Co.; General Paint Corp.

SAN FRANCISCO—Following firms awarded contracts by City Purchasing Agent, Leonard S. Leavy, under Proposal Number 783, to furnish hardware and castings for period commencing January 1 and ending June 30, 1932: Miller & Stern Tool Co.; Dunham, Carrigan & Hayden Co.; Hartwell Brothers; Palace Hardware Co.; Joshua Hendy Iron Works; The A. J. Glesener Co.; Enterprise Foundry Co.; M. Greenberg's Sons; Rincon Foundry Co.; A. W. Pike & Co., Inc.; American Brake Shoe & Foundry Co. of California; General Metals Corp.; Dan P. Maher Paint Co.; Baker, Hamilton & Pacific Co.; Pacific Abrasive Supply Company.

SAN FRANCISCO—W. E. Baumberg and Sydney A. Colton, architects, 544 Market St., are in the market for samples of building materials and equipment.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

San Francisco County

No.	Owner	Contractor	Amt.
1278	Magnaghi	Follotti	3500
1279	Peterson	Dahlberg	5500
1280	Erickson	Owner	8500
1281	Erickson	Owner	4250
1282	Erickson	Owner	3850
1283	Kellogg	McSheehy	3900
1	Sundell	Owner	3500
2	Longmore	Owner	3500
3	Swanson	Owner	3800
4	Johnson	Owner	3500
5	Kreflek	Owner	1000
6	Costello	Owner	2000
7	Horn	Owner	3500
8	Eames	Owner	4000
9	Grosman	Owner	5000
10	Drewes	Johnson	2800
11	Paterson-Pacific	Cahill	25000
12	Hunt	Casemont	1000

DWELLING

(1278) SW CASELLI AND YUKON.
One-story and basement frame dwelling.
Owner—G. Magnaghi.
Architect—Not Given.
Contractor—R. Follotti, 949 Filbert St., San Francisco. \$3500

ALTERATIONS

(1279) N FIFTEENTH 150 W Noe.
Alter flats.
Owner—B. Peterson, 2222 15th St. San Francisco.
Architect—Not Given.
Contractor—E. Dahlberg, 1075 Holloway Ave., San Francisco. \$5500

DWELLINGS

(1280) W 34th AVE 100 S Vicente;
two 1-story and basement frame dwellings.
Owner—E. Erickson, 514 Miramar Ave.
Plans by Owner. each \$4250

DWELLING

(1281) W 33rd AVE 170 S Vicente;
one-story and basement frame dwelling.
Owner—E. Erickson, 514 Miramar Ave.
Plans by Owner. \$4250

DWELLING

(1282) E MARGARET 400 N Lakeview;
2-story and basement frame dwelling.
Owner—E. Erickson, 514 Miramar Ave.
Plans by Owner. \$3850

REPAIRS

(1283) 278 OAK ST.; repair fire damage to apartments.
Owner—Mrs. Kellogg, 278 Carl St.
Architect—Not Given.
Contractor—J. McSheehy, 137 Clifford Terrace. \$3900

DWELLING

(1) S MONTEREY BLVD 75 West Baden;
one-story and basement dwelling.
Owner—Sundell & Isaacson, 338 Judson Avenue.
Plans by Owner. \$3500

DWELLING

(2) S 17th AVE 100 E Belvedere;
1-story and basement frame dwelling.
Owner—N. B. Longmore, 6140 Geary.
Plans by M. Morrison. \$3500

DWELLING

(3) W 38th AVE 200 N Judah;
one-story and basement frame dwelling.
Owner—C. Swanson, 350 Joost Ave.
Architect—Not Given. \$3800

DWELLING

(4) S LINCOLN WAY 32 W 24th Ave;
1-story and basement frame dwelling.
Owner—N. E. Johnsson, 666 Mission.
Architect—Not Given. \$3500

ALTERATIONS

(5) 3330 BUCHANAN ST.; alter partitions in apartments.
Owner—E. J. Krejick, 3330 Buchanan.
Architect—Not Given. \$1000

DWELLINGS

(6) E 27th AVE 250 N Moraga;
two one-story and basement frame dwellings.
Owner—N. Costello, 821 34th Ave.
Plans by Owner. each \$3000

DWELLING

(7) S SANTIAGO 94 W 34th Ave.;
1-story and basement frame dwelling.
Owner—J. Horn, 5044 Mission St.
Architect—Not Given. \$3500

DWELLING

(8) S DORANTES 175 W Montalvo;
one-story and basement frame dwelling.
Owner—O. F. Atkinson, 642 45th Ave.
Architect—E. A. Eames, 353 Sacramento St. \$4000

DWELLING

(9) SE COR. NEWTON and Rolph;
one-story and basement frame dwelling.
Owner—W. E. Grosman, 47 Curtis St.
Architect—Not Given. \$5000

ALTERATIONS

(10) 1839 CHURCH ST.; alter flats.
Owner—F. Drewes, 1706 Church St.
Plans by B. K. Dobkowitz, 425 Monterey Blvd.
Contractor—J. Johnson and Son, 1614 Church St. \$2800

WAREHOUSE

(11) NW COR. BRYANT and Rincon;
three-story Class B and C warehouse.
Owner—Paterson-Pacific Parchment Co., 68 Rincon.
Engineer—L. H. Nishkian, 525 Market Street.
Contractor—Cahill Bros., 206 Sansome Street. \$25,000

CAPITAL CITY TILE COMPANY

J. C. PALEN

Manager

914 Seventh Street

Sacramento - - - California

ALTERATIONS

(12) 125 MASON ST.; alter front of hotel.
Owner—W. Hunt, 125 Mason St.
Architect—Not Given.
Contractor—E. Rosemont, 175 Duboce Avenue. \$1900

BUILDING CONTRACTS

San Francisco County

No.	Owner	Contractor	Amt.
1	Bossana	Monson	16150

BUILDING

(1) CLARENDON Heights; all work on one-story and part basement frame and stucco building.
Owner—Leonard A. and Wilhelmina N. Bossana, 2238 Hyde St.
Architect—Geo. T. DeColmesnil, Hunter-Dulin Bldg.
Contractor—Ragner Monson, 101 Carmel St.
Filed Jan. 5, '32. Dated Jan. 2, '32.
Monthly 75%
Usual 35 days 25%
TOTAL COST, \$16,150
Limit, 100 days. Plans and Spec. filed.

COMPLETION NOTICES

San Francisco County

Recorded	Accepted
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Jan. 5, 1932—LOTS 2, 3, 4, 5, 6, 8, 10 Blk 4315, Assessor's Map Lot 4 Blk 4317, Assessor's Map Lot 7 Blk 4380; Assessor's Map the ptns of Sts. filled are desc'd: S ½ 26th St. from E Tennessee to pt 100 E Tennessee E ½ Tennessee from Center line 26th to pt 25 S 26th St. E ½ Tennessee from pt 150 S 26th St. to pt 250 S 26th St. W ½ Minnesota from pt 50 N Army to pt 125 N Army E ½ Indiana from pt 50 S Marin to pt 125 S Marin. Islais Creek Reclamation Dist to Meyer Rosenberg. Dec. 29, 1931
Jan. 5, 1932—W TWENTY-FOURTH Ave 50 S Lawton 25x95. Sig Salmon to H H Isaac. Dec. 29, 1931
Jan. 4, 1932—NE HAMPSHIRE 99 NW Peralta Ave NW 25 x NE 12-6 NE 30 SE 37-6 SW 100 to beg, ptn PV. Jos M Henely to whom it may concern. January 4, 1932
Jan. 4, 1932—NE 13 & 11 E N WAY about 462 St. Westgate Drive 811 Darien Way. Vincent P Laguens and S Larsen to whom it may concern. December 31, 1931
Jan. 4, 1932—NE HANCOCK and Noe E 75 x N 25-6. Herbert B and Susie A Ward to Thos A Cuthbertson. January 3, 1932
Jan. 4, 1932—SE CLARENDON AVE and Stanyan N 100 S on In paren to N Mountain Spring Ave 66.95 m or l to inter of line drawn parl with and perpen dist 100 N Mountain Spring Ave W 92 m or l to E Stanyan N 35.17 m or l. O A Anderson to The Aetna Constr Co. January 2, 1932
Jan. 4, 1932—N ARLETA 225 W Rutland 25 x 100. Thos A and Joseph Perasso to whom it may concern. January 4, 1932
Jan. 4, 1932—SE SANTA ANA AVE dist 15 NE from SW line Lot 25

- 19K 3250 S 58° 06' 45" E 100 SW
S 1700 to NE Ocean Ave N 33° 21'
W 50 364 N 48° 21' W 220
to the above curve to right dist
11.992 to SE Santa Ana Ave NE
42300 to beg lot 24 Ptn Lot 25
19K 3229 Map Blks 3257, 3258 and
3259, Bulbon Terrace Addn. Castle
Blk Co to Henry Horn
December 25, 1931
- Jan. 1, 1932 E MIRAMAR AVE 142
S Ocean Ave. Thos J Sullivan to
whom it may concern. Jan. 4, 1932
- Dec 31, 1931—S BROAD 272-6 West
Capital Ave W 50 x S 125 Blk F,
R R Hld Assn. Wm Westoby to
whom it may concern. December 31, 1931
- Dec 30, 1931—N CHESTNUT 144 E
Pierce, Archie Myre to whom it
may concern. December 29, 1931
- Dec 30, 1931—E 27th AVE 275 South
Lawton E 120 x S 25. Jas R Ham-
ilton to Jas C Duerner. December 30, 1931
- Dec. 30, 1931—N CAYUGA ST. 205
W Sicksles Ave 35x100. Mary
Nogers to Paul B Duerner. December 29, 1931
- Dec. 30, 1931—W THIRTY-THIRD
AVE 100 N Lawton N 25xW 120 OL
sold to Whitney Inv. Co., Ltd. to
Marian Realty Co., Ltd. December 30, 1931
- Dec. 30, 1931—LOT 5 BLK 4353, As-
sessor's Map of the ptns of Sts.
filled are desc'd E ½ of Indiana
from pt 266 S from S Army to pt
311 S from S Army. Geo F Lyon
to Harry Gorman. Dec. 28, 1931
- Dec. 30, 1931—N CHESTNUT 141.339
m or l W Mallorca W 25 125-55
25.489 127.559 m or l known as No.
2056 Chestnut St. G I and Ger-
trude Daniels to J B Williams.
December 30, 1931
- Dec 29, 1931—E 33rd AVE 175 North
Judah N 25 x E 120. Chas Smith
to whom it may concern. December 29, 1931
- Dec 29, 1931—W SAN MIGUEL 80 S
Niagara St. Harry Walters to
whom it may concern. Dec 29, 1931
- Dec 29, 1931—S BAY ST 75 W Oc-
tavia 25x75. Risdon Bros to whom
it may concern. December 28, 1931
- Dec 29, 1931—SW SAN BRUNO AVE
175 SE Mansell SE 25-54 SW 115-
4 NW 25 NE 118 m or l ptn blk 23
Paul Tract Hld. Bernard Plummer
to Walter Burrows. Dec 28, 1931
- Dec 29, 1931—S BAY ST 50 W Oc-
tavia 25x75. Risdon Bros to whom
it may concern. December 28, 1931
- Dec 29, 1931—W 26th AVE 100 South
Kirkham S 50 x 120. Herman
Christensen to whom it may concern.
December 28, 1931
- Dec 29, 1931—SW VINCENT AND
16th Avenue W 32-6 x S 100. Mar-
shall T Struthers to whom it may
concern. Dec 28, 1931
- Dec 29, 1931—N 6087 N KAY ST.
Pat Melia to Jas P Fletcher. Decem-
ber 22, 1931
- Dec 29, 1931—ALL THAT PTN BLK
2464-A Map Pinelake Park, desc'd:
S Vicente N 86° 50' E 443 from W
terminus of the course N 86° 40'
E 533.247, which forms the N bdy
line of said Blk 2462 A S 32 E
107.119 to NW 31st Ave N 86 E.6201
to S terminus of curve with radius
of 20 ft. which forms NE curved
cor. of sd Blk 2464 NE and NW
37.608 W 90.247 to beg. Henry and
Hazel Stoneson to Stoneson Bros
and Thorinsson. Dec. 28, 1931
- Dec 24, 1931—E 31st AVE 100 North
Judah St 25x120. Arthur and G H
Johnson to whom it may concern.
December 24, 1931
- Dec 24, 1931—E 31st AVE 125 N Ju-
dah St 25x120. Arthur and G H
Johnson to whom it may concern.
December 24, 1931
- Dec 24, 1931—NO. 734 PINE ST. C
A Bernhard to F C Callaghan. No-
vember 19, 1931
- Dec. 23, 1931—N DARIEN WAY 185
E San Benito Way 40x110. S R
Andersen to whom it may concern.
Dec. 22, 1931
- Dec. 23, 1931—LOT 10 BLK 2945-A
Sub No. 5, Miraloma Park. Meyer
Bros to whom it may concern. Decem-
ber 17, 1931
- Dec. 23, 1931—LOT 23 BLK 2987
Clamont Court. Carl and
Louise A Micheletti to Morris &
Weiner. Dec. 21, 1931
- Dec. 23, 1931—W TWENTY-SIXTH
AVE 25 N Moraga N 25xW 95.
Marian Realty Co., Ltd to whom
it may concern. Dec. 22, 1931
- Dec. 23, 1931—LOTS 25 AND 26 and
ptn Lot 27 Blk 2961-A Sub No. 4
Miraloma Park, as follows: SE
Rochdale Drive and SW Lot 25
NE 91.96 SE 100.748 SW 92.399.
Meyer Bros to whom it may concern.
Dec. 17, 1931
- Dec. 23, 1931—S BEACH ST. 180 W
Webster W 75xS 137-6. M P and
Hannah Jorgensen to whom it may
concern. Dec. 23, 1931
- Dec. 23, 1931—E BRYANT ST. 110
S Twenty-second 25x100. Milton
F Mitchell to whom it may concern.
December 23, 1931
- Dec. 23, 1931—N CABBRILO 95 E
30th Ave. G R Johnson to whom
it may concern. Dec. 23, 1931
- Dec. 23, 1931—NW MISSION 55-79
SW Niagara Ave NW 103-35 SW
25 SE 110 NE 25-77 ptn Lot 11 Blk
3 West End Map No 1. R Arancia
to C Lindberg. December 22, 1931
- Dec 23, 1931—BUSH ST and Treas-
ury Place. Mills Estate, Inc to
Lindgren & Swinerton, Inc. Decem-
ber 14, 1931
- Dec 22, 1931—W NAPLES 75 North
Brazil Ave. Carlo Bernicchi to E
Malaspina. December 21, 1931
- Dec 22, 1931—S ULLOA 95 E 32nd
Ave E 25 x S 100; E 32nd Ave 25,
50, and 75 S Ulloa S 25 x E 95 (4
completions). A J and Mary A
Herzig to whom it may concern. Decem-
ber 22, 1931
- Dec 22, 1931—W 17th AVE 250 and
275 S Lawton S 25 x W 120 (two
completions). Michael D and Mary
A Hardiman to whom it may concern.
December 22, 1931
- Dec 22, 1931—S 24th 100 W Florida
W 27 x S 104. Joseph Leary to
P J Phelan. December 24, 1931
- Dec 22, 1931—W 23rd AVE 60 N Vi-
cente N 25 x W 120 OL 1196. G
R Verner to Jesse Horn. December 22, 1931
- Dec 22, 1931—LOTS 1, 2, 3 BLK 4292
Lots 1 and 2 Blk 4293 Lots 1 and
2 Blk 4294 Lots 1 and 2 Blk 4295
Lots 1, 9 and 9 Blk 4315 Lot 1 Blk
4316 Lots 2, 5, 9 and 10 Blk 4317
Lot 1 Blk 4318 Lots 1B and 2 Blk
4343 Lots 1, 2, 6, 12, 14 and 15 Blk
4347 Lots 8 and 10 Blk 4351
Blk 4351 Lot 1, 2, 4, 5 and 5 Blk
4352 Lots 1, 2, and 4 Blk 4353 Lots
1, 2, 3, and 5 Blk 4354 Lots 1 and
2 Blk 4355 Lot 1 Blk 4378 Lots 1,
4 and 6 Blk 4379 Lots 2, 3, 5, 6 and
8 Blk 4380 Lots 1, 2 and 3 Blk
4381 Lot 3 Blk 4347 and Lot 1 Blk
4349 all of said lots and blocks on
Assessor's map and the following
ptns of streets filled: Tennessee
St., Minnesota St., Indiana St., Iowa
St., 26th St., Main St., Missouri St.,
Texas St. and Connecticut St. The
Western Pacific Railroad Co to
Meyer Rosenberg. December 15, 1931
- Dec 22, 1931—N SACRAMENTO 137-
6 E Franklin E 44 x N 127-84.
John Rosenfeld's Sons to Theodore
Cohn. December 21, 1931
- Dec 21, 1931—LOT 10 BLK 2459-A
map Pinelake Pk Sub No. 1. Car-
lton V and Carrie M Lane to whom
it may concern. December 18, 1931
- Dec 21, 1931—SW LAMARTINE 150
NW Cayuga Ave. Wm E and J G
Grosman to whom it may concern.
December 21, 1931
- Dec 21, 1931—SW ONEIDA AVE 106-
882 SE San Jose Ave 347 Oneida
SW Oneida Ave 132-882 SE San
Jose Ave, 341 Oneida Ave. Thos J
Sullivan to whom it may concern.
December 21, 1931
- Dec 21, 1931—W HARVARD 125 N
Stillman 25x100. James and Mary
P Keeley to N P Nelson. Decem-
ber 21, 1931
- Dec 19, 1931—E SCOTT 125 N Lomb-
ard N 25 x E 110 WA 415. M
Gross to H O Linderman Ltd. Decem-
ber 17, 1931
- Dec 19, 1931—NW SALA TERRACE
and Ellington, No 5 Sala Terrace.
Alfred H Ohlsen to whom it may
concern. December 19, 1931
- Dec 19, 1931—NE CHESTNUT AND
Pierce E 59-285 x N 75. Harry J
Oser to Schultz Const Co. Decem-
ber 18, 1931
- Dec 19, 1931—W 33rd AVE 125 N
Lawton N 50 x W 120 OL 801.
Whitney Inv. Co., Ltd to Marian
Realty Co., Ltd. Dec 19, 1931
- Dec 19, 1931—E 21st AVE 125 North
Noriega N 25 x E 120 OL 880. Hel-
en B and Leonard Grant to Henry
Doelger. November 14, 1931
- Dec 18, 1931—N Cabbriolo 90 W 31st
Ave W 55 x N 100. Bryan Feerick
to whom it may concern. Decem-
ber 18, 1931
- Dec 18, 1931—S W CERRY and As-
son W 40 x S 100 OL 6b 196. Mar-
quard Catering Co to the Home Mfg
Co. December 8, 1931
- Dec 17, 1931—SW PARADISE AVE
189-94 SE Elk SE 31-36 S 41 deg
37 min 04 sec W 100-61 to NE line
Blk Q 2nd Addn to Glen Park Ter-
race N 61 deg 11 min 16 sec W
105-67 N 32 deg 17 min 14 sec E
105-25 to beg. Fred Slepniokoff to
whom it may concern. December 17, 1931
- Dec 17, 1931—628 CENTRAL AVE.
N A von Schmidt to J D Wood-
sid. November 19, 1931
- Dec 17, 1931—S TARAVAL 82-6 W
31st Ave 25x100. A M Tadwich to
James P Fletcher. December 8, 1931
- Dec 17, 1931—PTNS LOTS 12 and 13
Blk 25 St Francis Wood Exten No
2 desc'd: W boundary line San Pablo
Ave dist N 17-56 from pt inter of
W bdy line San Pablo Ave with
dividing line bet lots 12 and 13 blk
25 S 81 deg 15 min 48 sec W 104-
49 S 08 deg 57 min E 17-72 S 31
deg 33 min 32 sec E 24-20 N 80
deg 58 min 43 sec E 95 N 40 to beg.
Mable Ahrens to Wm Martin. Decem-
ber 10, 1931
- Dec 17, 1931—N SANTIAGO 57-6 E
22nd Ave E 25x100. F M Stich to
whom it may concern. Dec 16, 1931
- Dec 17, 1931—371 to 381 and 383 to
391A San Jose Ave. J A Hersberg
& Son to T J Martin. Dec 15, 1931
- Dec 17, 1931—SW PARADISE AVE
156-61 SE Elk SE 33-33 S 32 deg
17 min 14 sec W 175-25 to NE line
Blk Q 2nd Addn to Glen Park Ter-
race N 70 deg 35 min 56 sec W
8-22 N 19 deg 24 min 04 sec E 110-
16. Fred Slepniokoff to whom it
may concern. December 17, 1931
- Dec 17, 1931—S ULLOA 32 E 15th
Ave 25x100. John Robertson &
A Lelias. December 17, 1931
- Dec 16, 1931—MISSION and Bay Sts
Shops. Southern Pacific Co to J N
J Firebrick Const Co (rebrick-
ing 3 boilers in railroad's boiler plant)
December 14, 1931
- Dec 10, 1931—SW FILLMORE and
Hayes 25x107. W Moschwitz to J
Manick. December 10, 1931
- Dec 10, 1931—W 40th AVE 225 South
Lawton S 25 x W 120 OL 825.
Paul and Della Fresly to whom it
may concern. December 9, 1931

Dec 10, 1931—W 32nd AVE 300 South Quintara S 25 x W 120. Henry Doelger to whom it may concern.....
.....December 8, 1931

Dec 10, 1931—E 40th AVE 225 South Taraval S 25 x E 120. Henry Doelger to whom it may concern.....
.....December 7, 1931

Dec 9, 1931—NE HOLYOKE 50 SE Burrows SE 25 x NE 70 ptn blk 30 University Mid Survey. C H and Mrs H Westlund to whom it may concern.....
.....December 1, 1931

Dec 9, 1931—S SANTIAGO 31-10 1/2 W 14th Ave W 31-10 1/2 x S 100. Duncan B MacDonald to whom it may concern.....
.....December 7, 1931

Dec 9, 1931—SE VIENNA 700 NE Peru Ave NE 25 x SE 100 Blk 68 Silver Heights. Henry Schwarz and Albert Nickles to whom it may concern.....
.....December 5, 1931

Dec 9, 1931—LAND bounded by Turk St, Parker Ave and Rose St on line part to Parker Ave extending from Turk to Rose St and 1200 ft E of Parker Ave. San Francisco College of Women, conducted by the Religious of the Sacred Heart to Meyer Rosenberg.....
.....Dec 7, 1931

Dec 9, 1931—W 17th AVE 100 North Ortega. Clarence A and Murtes Ahern to Henry Erickson.....
.....December 4, 1931

Dec 9, 1931—E 31st AVE 100 N Fulton. Sam Blaustein to whom it may concern.....
.....December 8, 1931

Dec 9, 1931—W 33rd AVE 375 S Kirkham S 50 x W 120 OL 801 W 33rd Ave 275 S Kirkham S 25 x W 120 O L 801 W 33rd Ave 325 South Kirkham S 25 x W 120 O L 801. Whitney Inv Co Ltd to Marian Realty Co Ltd.....
.....December 8, 1931

Dec 9, 1931—E CORA 172-6 S Visitation Ave 34x6x105-8. Harry and Rose Apts to whom it may concern.....
.....December 9, 1931

Dec 15, 1931—W VILLAMAR AVE 150 yards N Sea Cliff Ave NE of and add to lot No 1 known as No 1 Villamar Ave. V H Podstata to Strehlow & La Voie.....
.....Dec 12, 1931

Dec 15, 1931—SW 16th AVE AND Ulloa 25x107-6. Eva G Husted to G J Elkington & Sons.....
.....Dec 15, 1931

Dec 15, 1931—W 22nd AVE 118 N Noriega N 25 x W 120 OL 882. Ida J Bluet to H H Isaac.....
.....December 15, 1931

Dec 15, 1931—N HAIGHT 152-6 W Ashbury W 25 x N 137-6. Mildred M Livingston and H B Livingston to Young & Horstmeier.....
.....December 5, 1931

Dec 15, 1931—SE NEWHALL 25 SW Innes Ave SW 25 SE 100 Blk 184 Central Park Hd Assn. John and Mary Leary to Bay View Realty Co.....
.....December 15, 1931

Dec 15, 1931—SAN FRANCISCO Campus of the University of California. The Regents of the University of California to Charles A Langlais (to install electric equipment for distribution system).....
.....December 7, 1931

Dec 15, 1931—LOT 14 and S 5 ft lot 15 blk 3277 map Mt Davidson Manor. Niles E Johnson to whom it may concern.....
.....December 14, 1931

Dec 11, 1931—THIRD & CHANNEL Sts., Southern Pacific Co to S F Elevator Company Inc (repairs to elevators in Grocers' Terminal Bldg).....
.....December 8, 1931

Dec 11, 1931—W SEVENTEENTH Ave 125 S Vicente S 25x130, W 17th Ave 150 S Vicente S 25x120. S F Johnson to whom it may concern.....
.....December 11, 1931

Dec 11, 1931—N KIRKHAM 82-6 W 25th Ave 25x100. Ray Allison and John N Beck to whom it may concern.....
.....Dec 11, 1931

Dec 11, 1931—E THIRTY-FOURTH Ave 200 N Kirkham 25x120. David Moses to F C Fisher.....
.....Dec 11, 1931

Dec 11, 1931—N CHESTNUT 50-285 E Pierce E 27xN 75. Harry J Oser to Schultz Constr Co.....
.....December 8, 1931

Dec 11, 1931—N CHESTNUT 86-285 E Pierce E 33 N 90 W 25 S 15 W 8 S 75. Harry J Oser to Schultz Constr Co.....
.....Dec 8, 1931

Dec 10, 1931—S ULLOA about 155 W Granville Way. Chas Anderson to whom it may concern.....
.....Dec 14, 1931

Dec 14, 1931—W RHODE ISLAND 136-3 N 20th St. 25x100. Matthew H Fugina Jr and D Fugina to whom it may concern.....
.....Dec 7, 1931

Dec 14, 1931—E TWENTY-FIRST Ave 200 N Ortega N 25x120 OL 937. Carl and Fred Gellert to whom it may concern.....
.....December 13, 1931

Dec 14, 1931—E FORTY-FIFTH Ave 225 N Kirkham N 25x120 OL 725. Carl and Fred Gellert to whom it may concern.....
.....Dec 13, 1931

Dec 14, 1931—N SENECA 40 W Knights Place 134 Seneca Ave; N Seneca Ave 93-4 W Knights Place 146 Seneca Ave N Seneca Ave 66-8 W Knights Place, 140 Seneca Ave. A M Samuelson to whom it may concern.....
.....December 13, 1931

Dec 12, 1931—GOLDEN GATE PARK California Academy of Sciences Cahill Bros, Inc (for construction of East Wing of Museum of Calif. Academy of Sciences) to whom it may concern.....
.....Dec 10, 1931

Dec 12, 1931—S TWENTY-SIXTH 79-7/12 E Diamond 25x114. W W Sanders to whom it may concern.....
.....December 12, 1931

Dec 12, 1931—E WISCONSIN 25 N 22nd running alg E Wisconsin to the 50 ft. line N of 22nd. Mary Hurley to whom it may concern.....
.....December 11, 1931

Dec 11, 1931—N FELL 165 E Webster E 27-6xN 120 to S Linden. Eugene and Domenica Meyran to Rosario De Luca & John De Luca (as De Luca & Son).....
.....Dec 10, 1931

Dec 23, 1931—W RAMSELL 525 N Garfield N 25 x W 100 Blk 33 City Land Assn. Kenneth Evers to whom it may concern.....
.....Dec 23, 1931

Dec 23, 1931—W 16th AVE 125 N Wawona 25x120. Andrew Jackson to whom it may concern.....
.....December 29, 1931

Dec 29, 1931—W 24th AVE 50 North Santiago 25x95. Lawrence L and O Berger to whom it may concern.....
.....December 24, 1931

LIENS FILED

San Francisco County

Recorded	Amount
Dec. 30, 1931—SE MISSION 240 NE Virginia Ave NE 35xSE 133-6 P V Lands. A J Silva vs Theresia Steinauer.....	\$233.37
Dec 30, 1931—1310 LOMBARD ST. M T Hoaglund and Fred Skuse vs Louis Mint and Public Indemnity Company.....	\$100
Dec 29, 1931—N SUTTER 82-6 West Laguna W 27-6 N 112-6. C Dudley De Velbiss vs Mitsuo Noyoshi.....	\$1241.17
Dec 29, 1931—NW MARKET 277-1 1/2 NE from N Golden Gate Ave NE 25-6% NW 39-2 1/2 N 66-3 1/2 to S Turk W 22-1 1/2 W 78-2 1/2 SE 42-10 1/2 vB 200. Geo S Bethards, Geo Walton and J H Murray vs F S Walton, M Buck, A B Buck Jr, W E Buck, E B Hirschmidt, M B Chlandt, M Hammersmith, F W Ames, O J Broughton, H Jungbluth, L Roesch and J C Ohlandt.....	\$242.10
Jan. 4, 1931—SE VIENNA 700 NE Peru NE 25xSE 100 Blk 68, Excel H D. Atlas Heating & Ventilating Co, Ltd vs A Nickles.....	\$97
Jan. 4, 1932—S GEARY 40 W Mason	

S 100 E 40 N 100 W 40 W 10th South St. Supply Co vs House 3142 Co Harris A Marquard, Marquard Catering Co, Marquard Ice and Cold Mary J E Cryan.....

Dec 24, 1931—E FORTY-SEVENTH 412-6 SW 4th SW 137-6 x SE 165. Sibley Grading and Teaming Co, Ltd vs Lester G Loupe Co and Geo Greenback.....

Dec 26, 1931—E VAN NESS AVE 45-28 N Washington N 40 x E 123. W G Fabien vs W A and Virginia W Rogers, E Macdonald and Sidonia Weiss.....

Dec 28, 1931—W 33rd AVE 175 South Clement S 25 x W 120 OL 214. Morris Rubin vs Allen Stone and I M Sommer.....

Dec 28, 1931—S SACRAMENTO ST. 137-6 W Octavia W 55 S 132-8 1/2 E 55 S 132-8 1/2 WA 196. Morrie E Rubin vs A Abrams, J Abrams, F Bibb, G Bibb, M Harris, J Harris and A Harris and I M Sommer.....

Dec 24, 1931—SW GEARY and Mason Sts W 100 x S 100. Art Tile & Mantle Co vs Home Mfg Co., Harry Marquard, Marquard Catering Co and Marquard Inv Co and Mary J E Cryan.....

Dec 24, 1931—SW VIENNA 146-4 SW Silver Ave SW 25 x SE 100. Albert Cook vs Henry Schwarz and Albert Nickles.....

Dec 24, 1931—E LAGUNA 100 South Waller S 43 x E 82-4. L Demattiel vs Wm Van Herreick and H Van Herreick.....

Dec 23, 1931—E LAGUNA 100 South Waller S 43 E 82-4 N 1-10 1/4 E 42-10 N 30-8 W 125 WA 244. Pacific Coast Steel Corp vs Wm Van Herreick.....

Dec 22, 1931—E MONTGOMERY ST 77 N Washington N 30 E 127 to W Jessop Place S 27 W 37-9 S 3 W 89-3. Sibley Grading & Teaming Co, Ltd vs B Paganano and E Martinelli.....

Dec 22, 1931—SW 35 ft LOT 8 BLY 2988A Map West Potlark. O Fantozzi as Star Concrete Co vs Martin Stelling Jr, Edgar L Gould, V Filippis and National Surety Co.....

Dec 22, 1931—SE MISSION ST 240 NE Virginia Ave NE 35 x SE 133-6 J D Woodside, 8478; Martin Welch as Cortland Sheet Metal Works, 1100, vs Theresia Steinauer and R A Warring.....

Dec 21, 1931—SE VIENNA 700 NE Peru Ave NE 25 x SE 100 ptn blk 68 Excel Hd Assn. Thomson, Inc vs Henry Schwarz and Albert Nickles.....

Dec 21, 1931—E 22nd AVE 93 South Noriega S 25 x E 120. Antonio Filippi as W H Gnecco & Co vs Gust Jelm and Geo R Norment.....

Dec 21, 1931—NW NAPLES 275 SW Avalon Ave SW 25 x NW 100, ptn blk 48 Excel Hd Assn. Antonio Filippi as W H Gnecco & Co vs Strom & Smith and Gust Jelm.....

Dec 21, 1931—SE VIENNA 146-4 SW Silver Ave SW 25 x SE 100. Arc Electric Co vs Henry Schwarz and Albert Nickles.....

Dec 19, 1931—NW NAPLES 275 SW Avalon Ave SW 25 x NW 100 Blk 48 Excel Hd Assn. Const Device Co vs Gust Jelm.....

Dec 19, 1931—SE VIENNA 650 NE Peru Ave 25 x 100 ptn Blk 68 Excel Hd Assn. Pan-American Wallpaper & Paint Co Ltd vs Henry Schwarz and Albert Nickles.....

Dec 18, 1931—NW NAPLES 275 SW Avalon Ave SW 25 x NW 100. Blik 48 Excel Hd Assn. Chas R McCormick Lumber Co vs Gust Jelm.....

Dec 18, 1931—NW NAPLES 275 SW Avalon Ave SW 25 x NW 100. Albert Cook vs California Pacific

Title & Trust Co and Gust Jelm.....	\$187.90
Dec 18, 1931—N CALIFORNIA 101-1	
E Plummer E 27-8 x N 120 to South	
Pacific W 125 WA 214. Golden Gate	
Atlas Materials Co vs Wm Van	
Herrick.....	\$5101.28
Dec 14, 1931—S NORIEGA 93 E	
22nd Ave E 25x5 120. A Filippi	
(as M H Gonneco & Co) vs Gust	
Jelm and Geo R Normant.....	\$162
Dec 18, 1931—SE VIENNA 650 NE	
Peru Ave NE 25 x SW 100 ptn blk	
68 Excel Hd Assn. H S Thomson,	
Inc, \$244.64; J H McCallum, \$350.15	
vs Henry Schwarz and Albert	
Nuckles.....	\$187.62
Dec 18, 1931—NW NAPLES 275 SW	
Avalon Ave. Dave C Milligan vs	
Gust Jelm and California Pacific	
Title & Trust Co.....	\$80.00
Dec 18, 1931—NW NAPLES 275 SW	
Avalon Ave SW 25 x NW 100 blk	
48 Excel Hd Assn. D O'Connor	
and Jas T O'Connor as D O'Connor	
& Son, \$230.64; D P Donavan, \$250	
M Blengina and F Mossimino as	
New Mission Hardwood Floor Co,	
\$150, vs Gust Jelm.....	
Dec 18, 1931—NW NAPLES 275 SW	
Avalon Ave SW 25xNW 100. New	
Mission Sheet Metal Co, \$135; S	
F Glass Co, \$35.10; Albert Nelson,	
\$50; Warden Bros, \$490; Lee Har-	
ware Co, \$175; Sands Water Heat-	
er Co, \$33.75 vs Gust Jelm.....	
Dec 17, 1931—NW NAPLES 275 SW	
Avalon Ave SW 25 x NW 100. W	
E Trousdale vs California Pacific	
Title and Trust Co and Gust Jelm	
.....	\$315.00
Dec 17, 1931—NW NAPLES 275 SW	
Avalon Ave SW 25 x NW 100 blk	
48 Excel Hd Assn. Spring Valley	
Lumber Yard vs Gust Jelm.....	\$113
Dec 16, 1931—SW GEARY AND	
Mason Sts. Sibley Grading &	
Teaming Co, Ltd vs Home Manu-	
facturing Co; Harry Marquard;	
Marquard Catering Co; Marquard	
Investment Co and Mary J E	
Cryan.....	\$15.05
Dec 10, 1931—SW GEARY and	
Mason S 100 x W 40. Herman Cas-	
tler vs Mary J E Cryan and Harry	
A Marquard and Marquard's Inv	
Co and Home Mfg Co, Inc.....	\$104
Dec 8, 1931—E LAGUNA ST 100 S	
Waller S 43 x E 32-4 N 1-10 1/4 E 42-	
10 m or 1 N 39-8 W 125. James	
Cantley vs Wm and Hermina Van	
Herrick.....	\$125.00
Dec 8, 1931—E LAGUNA ST 100 S	
Waller S 43 x E 132-4. Sudden Lbr	
Co vs Wm Van Herrick.....	\$733.27
Dec 9, 1931—SW GEARY and	
Mason Sts. M T Hoagland and Fred	
Skuse vs Home Mfg Co, Harry	
Marquard and Marquard Catering	
Company.....	\$33.00
Dec 9, 1931—E 22nd AVE 93 South	
Noriega S 25 x E 120. Chas R Mc-	
Cormick Lumber Co vs Gust Jelm	
and Geo R Normant.....	\$395.19
Dec 9, 1931—SW LANE 75 NE Que-	
sada Ave NE 25 x SE 75 ptn blk	
328 South San Francisco H D and	
E R Assn. Eduardo Crespiello vs	
Anthony R Sanchez.....	\$146.25
Dec 8, 1931—NW RHINE 50 SW	
Flourney extending SW 25 x NW	
100. W B Jefferson as The Great-	
er City Lumber Co vs Margaret	
Laird and James Gilardi.....	\$28.85
Dec 9, 1931—E LAGUNA 100 South	
Waller S 43 x E 32-4 Aetna Elec	
Co vs William and Hermina Van	
Herrick.....	\$270.00
Dec 18, 1931—NW NAPLES 275 SW	
Avalon Ave SW 25 x NW 100 blk	
48 Excel Hd Assn. Strom & Smith	
vs Gust Jelm.....	\$107.50
Dec 14, 1931—E LAGUNA 100 S	
Waller S 43 to pt dist N 132 from	
N Herman E 82-4 N 1-10 1/4 to	
inter of line drawn E from pt on	
E Laguna dist S thereon 144 to	
S Waller to pt which is dist 139-8	

from S Waller meas at right angle
thereto and 125 E Laguna E 42-10
m or 1 to E exteriorly thereof N
39-8 W 125 WA 214. Golden Gate
Atlas Materials Co vs Wm Van
Herrick.....\$5101.28

RELEASE OF LIENS

San Francisco County

Recorded	Amt
Dec 30, 1931—E 32nd AVE 325 North	
Santiago N 25 x E 120. California	
Const Co to F W Kohlmann.....	
Dec 23, 1931—W TWENTY-FIFTH	
Ave 25 N Kirkham N 25xW 82-6	
OL 744. Atlas Electric & Engi-	
neering Corp; Ex-Celo Concrete	
Co to Wm Zupar and Geo E	
Dilling.....	
Dec 24, 1931—W TWENTY-FIFTH	
Ave 25 N Kirkham N 25xW 82-6	
OL 744. H P Knoll; Geo R Nel-	
son; J M Piccoli to Wm Zupar and	
George E Dilling.....	
Dec 24, 1931—W TWENTY-FIFTH	
Ave 25 N Kirkham N 25xW 82-6	
OL 744. Einar Johnson to George	
E and Amalia Dilling.....	
Dec 28, 1931—W TWENTY-FIFTH	
Ave 25 N Kirkham N 25xW 82-6	
OL 744. William G Zupar to Geo	
E Dilling.....	\$1062.50
Dec 14, 1931—N BUSH 137-6 E	
Jones E 55xN 137-6 50 V B 220. J	
S and S I Guerin (as J S Guerin	
Co) to Board of Trustees of the	
Glide Foundation (credit on lien)	
.....	\$127.50
Dec 9, 1931—OR fix etc, 741 Diamond	
St. Rose Giorgi to Mario Giorgi.....	
Dec 9, 1931—NW RETIRO WAY 255-	
247 SW from W Fillmore S 25 NW	
25 N 35-35 SE 117. Holmes	
Lime & Cement Co to John Dean,	
Milton Decker and Paul R Frugoli	
Dec 10, 1931—2270 or 240 NW Retiro	
Way at pt dist SW 255-247 from W	
Fillmore SW 25 N 55 deg 50 min	
14 sec W 92 N 10 deg 50 min 14	
sec W 35-35 SE 177 to beg ptn	
Marina Gardens. W E Trousdale to	
Paul R Frugoli.....	
Dec 17, 1931—2263 OR 3755 Califor-	
nia 85 W Parker Ave S 87-63 m	
or 1 to pt which is dist 626-8 N	
Euclid Ave E 37 N to S California	
W 38 m or 1. F Antonini & Co to	
C D Kinney and J Weissbein.....	\$90

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Amt.
1700	Casselmann	Schmidt	1900
1	Netherby	Owner	4000
2	Bray	Koski	2500
3	Pleitner	Owner	3000
4	Bowman	Henderson	3000
5	Silva	Owner	1000
6	Woolsey	Owner	3000

REPAIRS
(1700) 5433 BROADWAY, OAKLAND;
fire repairs.
Owner—T. Casselman, 5433 Broadway,
Oakland.
Architect—Not Given.
Contractor—F. C. Schmidt, 2237 East
19th St., Oakland. \$1900
1701 White.....Stolte 1200

ALTERATIONS
(1701) 3534 PARK BLVD., OAKLAND;
alterations.
Owner—Dewey White.
Architect—Noble and Archie Newsom,
Russ Bldg., San Francisco.
Contractor—F. C. Stolte, 3449 Laguna
Ave., Oakland. \$1200

DWELLING

(1) S PROCTOR AVE 75 W Florence
Ave., OAKLAND. Two-story alx-
room dwelling.
Owner—W. A. Netherby, 3853 Lyman
Road, Oakland.
Architect—Not Given. \$400

ALTERATIONS

(2) NO. 2703 VIRGINIA ST., BER-
KELEY, Alterations.
Owner—W. S. Bray.
Architect—J. Hudson Thomas, Mer-
candle Bank Bldg., Berkeley.
Contractor—M. L. Koski, 47 Ramona
Ave., Oakland. \$2500

RESIDENCE

(3) NO. 3031 ELLIS ST., BERKELEY
One-story 5-room 1-family frame
residence.
Owner—H. A. Pleitner, 1301 Fruitvale
Ave., Oakland.
Architect—W. Watson, 4750 Meldon
Ave., Oakland. \$3000

RESIDENCE

(4) NO. 1291 QUEENS ST., BER-
KELEY, Residence.
Owner—A. W. Bowran.
Architect—Keefer & Herberger, 770
Westley Ave., Oakland.
Contractor—H. K. Henderson, 393 40th
St., Oakland. \$3000

DWELLING

(5) NO. 8114 HOLLY ST., OAKLAND
One-story 2-room dwelling.
Owner—A. E. Silva, 1491 82nd Ave.,
Oakland.
Architect—Not Given. \$1000

DWELLING

(6) 6005 BROADWAY, OAKLAND;
one-story 5-room dwelling.
Owner and Builder—N. E. Woolsey, 22
Domingo Ave., Berkeley.
Architect—Not Given. \$3000

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Amt.
178	Kreig	Heyer	24210

STORE
(178) INTER NW 34th AVE and NE
East 14th St., Oakland; general
construction on 2-story steel frame
brick and concrete Class C store
building.
Owner—J. J. Krieg Co., E 14th St.
and Fruitvale Ave., Oakland.
Architect—Williams & Westall, 374
17th St., Oakland.
Contractor—Chas. W. Heyer, Jr., Mills
Bldg., San Francisco.
Filed Dec. 30, '31. Dated Oct. 20, '31.
15 days after execution of
contract.....\$4539.38
35 days after.....4539.37
55 days after.....4539.38
75 days after.....4539.37
Usual 35 days after.....6052.50
TOTAL COST, \$42,210.00
Limit, 75 days. Plans and Spec. filed.

COMPLETION NOTICES

Alameda County

Recorded	Accepted
Jan. 4, 1932—NW LAKE PARK AND	
Rand Ave., Oakland. Ross Thom-	
son to Irwin H Reimers. Dec. 17, 1931	
Jan. 2, 1932—NO. 4420 BRIDGE-	
view Drive, Oakland. Bestor and	
Florence Breed Robinson to Eric	
Lindberg.....Dec. 22, 1931	
Dec. 31, 1931—NO. 1347 McGEE ST.	
Berkeley. Walter Brunn to Fox	
Brothers.....Dec. 30, 1931	

Dec. 23, 1931—FIRST ST. (State Theatre), Livermore. L. Schenone to S. Bothwell & Son. Dec. 22, 1931

Dec. 23, 1931—SW GROVE AND Stewart Sts., Berkeley. Emma and Daniel Machado to whom it may concern. Dec. 22, 1931

Dec. 23, 1931—S VIRGINIA 160 W Grant St., Berkeley. Theodore J. and Harriet M. Miller to John O. Weston. Dec. 21, 1931

Dec. 22, 1931—HILGARD HALL, Campus of University of Calif., Berkeley. The Regents of the University of Calif. to Carrier Engineering Corp. Ltd. Dec. 16, 1931

Dec. 22, 1931—SE 44 FT LOT 6 BLK A Glenwood, Oakland. Adolph C. and Hazel Meyer to C. W. Leekins. Dec. 21, 1931

Dec. 22, 1931—3930 LYMAN ROAD, Oakland. George R. Morrison to John Lehman. Dec. 16, 1931

Dec. 21, 1931—LOT 156, Broadmoor Park, San Leandro. G. C. and F. E. Warn to whom it may concern. Dec. 16, 1931

Dec. 18, 1931—DUBLIN CANYON, State Highway bet. Dublin and Hayward. Dept. of Public Works, Division of Highways, State of Calif. to Lester Hingsberger. Dec. 15, 1931

Dec. 17, 1931—CAMPUS OF THE University of California. Regents of the University of Calif. to Sneath & Co. Dec. 14, 1931

Dec. 17, 1931—NO. 1927 105TH AVE. Oakland. James B. Grubb to whom it may concern. Dec. 15, 1931

Dec. 17, 1931—NE ENCINAL AVE. 183 ft. SE Grand St., Alameda. John G. Vollmar to B. F. Woolley. Dec. 16, 1931

Dec. 16, 1931—NO. 1041 SAN PABLO AVE., Albany. C. J. Buestad to C. J. Buestad. Dec. 15, 1931

Dec. 16, 1931—NW BROADWAY 140 ft NE of 20th St., Oakland. Broadway & Twentieth Properties, Inc. to George Wagner. Dec. 15, 1931

Dec. 15, 1931—FIRST & MARKET Sts., Oakland. Howard Terminal Corp. to Albertson-McCormick, Sprinkler Co., Ltd. Dec. 12, 1931

Dec. 14, 1931—NO. 641 PALOMA AVE., Oakland. W. A. Netherby to whom it may concern. Dec. 14, 1931

Dec. 11, 1931—PTN LOT 15 BLK 7, Hotel Claremont Tract, Berkeley. Elwood T. and Helen E. Starbuck to T. D. Courtright. Dec. 7, 1931

Dec. 12, 1931—2314 HAVENSCOURT Blvd., Oakland. F. W. Conlogue to whom it may concern. Dec. 5, 1931

Dec. 12, 1931—400 LINCOLN AVE., Alameda. G. W. Coupe to F. R. Hauman. Dec. 11, 1931

Dec. 11, 1931—NO. 3426 PIERSON ST., Oakland. August Roseberg to August Roseberg. Dec. 4, 1931

Dec. 11, 1931—LOT 3 BLK F, Estudillo Estates, San Leandro. Charles W. and Ada J. Griffith to whom it may concern. Dec. 10, 1931

Dec. 11, 1931—SIXTY-FIRST AND 63rd Sts., Emeryville. 20th and Broadway, Oakland. Southern Pacific Co. to Hutchinson Co. Dec. 5, 1931

Dec. 11, 1931—OAKLAND PIER. Cedar St., bet. Shorey and First Sts., Oakland. Southern Pacific Co. to Hutchinson Co. Dec. 5, 1931

Dec. 11, 1931—LOT 7 BLK 8, North Cragmont, Berkeley. James W. and Cora L. Walker to G. A. Pierson. Dec. 10, 1931

Dec. 11, 1931—SE EUCLID AVE. & Hawthorne Terrace, Berkeley. Jessie-Lee F. Decker to J. Dawson. Dec. 5, 1931

Dec. 11, 1931—NO. 6131 ROCKRIDGE Boulevard, Oakland. Joseph Gauzza to John Fleming. Dec. 9, 1931

Dec. 10, 1931—STATE HIGHWAY, bet. Easterly boundary and Green-

ville. Department of Public Works State of Calif. to Standard Road Planning Co. Dec. 8, 1931

Dec. 10, 1931—LOT 12, Farber Belrose Tract, Oakland. Winnifred Lee to Theo. H. Lapham. Dec. 5, 1931

Dec. 10, 1931—NO. 821 SAN DIEGO Road, Berkeley. Ray H. Norheim to whom it may concern. Dec. 5, 1931

Dec. 10, 1931—NO. 9014 HILLCREST AVE., Oakland. Angelo Magnani to Charles Ungaretti. Dec. 10, 1931

Dec. 9, 1931—S ASHBY AVE. 85 E King St., Berkeley. Levi J. Moran to Levi J. Moran. Nov. 21, 1931

Dec. 9, 1931—LOT 10 BLK 4, Oakmore Terrace, Oakland. L. W. and Margaret Roth to whom it may concern. Dec. 8, 1931

Dec. 15, 1931—LOT 7 BLK F, Estudillo Estates, San Leandro. Charles W. and Ada J. Griffith to whom it may concern. Dec. 12, 1931

Dec. 15, 1931—LOTS 31 AND 32, Peralta Avenue Tract, Oakland. Bertha Albrecht and Frederick Volkens to Robert E. Bartlett and N. E. Rockwell. Dec. 12, 1931

Dec. 15, 1931—LOT 15 BLK 9, Herzog Tract, Berkeley. A. P. and A. Adeline Perryman to G. W. Wells and D. E. Taylor. Dec. 14, 1931

Dec. 15, 1931—LOT 32 and S 1/4 Lot 33 Blk 15, Amended Map of Sunset Terrace, Albany. J. G. and Freda M. Brown to J. G. Brown. Dec. 10, 1931

LIENS FILED

Alameda County

Recorded	Amount
Jan. 2, 1932—LOT 11 BLK 7, North Cragmont Tract, Berkeley. Paul T. Swedberg Co., \$66.95; Summers Electric Shop, \$38; Golden Gate Stucco Co., \$57.70; Dave C. Milligan, \$20.50 vs Gust Jelm	
Dec. 31, 1931—LOT 11 BLK 7, Subdivision of a ptn of North Cragmont, Berkeley. C. A. Cain vs Gust Jelm	\$70
Dec. 31, 1931—INTERSECTION SW E-14th St. and NE Fruitvale Ave. Oakland. W. P. Fuller & Co. vs E. A. Ovién; E. L. Ovién; Bert Berovich; United Cigar Stores Realty Co. and Home Mfr. Co.	\$129
Dec. 31, 1931—PTN LOTS 20 and 21, Blk E, Map of Piedmont Vista, Piedmont. Tilden Lumber & Mill Co. vs Veterans Welfare Board of the State of California, George R. Lorbeer, Wm. Gregory.	\$513.65
Dec. 31, 1931—LOT 11 BLOCK 7, Subdiv. of a ptn of North Cragmont. C. M. Cook, \$360; Warden Bros., \$422; Leo Toge, \$255; Lee Hardware Co., \$132.70, vs Gust Jelm	
Dec. 30, 1931—LOT 11 BLK 7 Resub. of ptn of N. Cragmont, Berkeley. Atlas Heating & Ventilating Co., Ltd. vs Gust Jelm	\$126.60
Dec. 28, 1931—LOT 11 BLK 7, Resub. of ptn of N. Cragmont. East Bay Glass Co. vs Gust Jelm	\$32.80

Dec. 24, 1931—1209 TALBOT Street, Berkeley. Carl Hanker vs Canine and M. Casner, Emi Richter. \$104

Dec. 23, 1931—LOT 15 BLK A, Sub. of a ptn of the Quigley Tract, Oakland. B. Cooper doing business as The Thrift Shop vs Ida Irene and John I. Jones. \$51

Dec. 24, 1931—INTER SE La Loma Ave. and SW bdy line of lot 26, map of La Loma Park, Berkeley. Tilden Lumber and Mill Co. vs Ella M. Murphy. \$279.49

Dec. 23, 1931—LOTS 1, 2, 3, 4, 5, 6, Coelho Tract, Edson Township, Hozer and M. L. Casswell vs J. R. Wilson; Maria, Leo M. Winfield, Amella, Joas, & Thos. R. Coelho; Oakland Speedway Assn., Ltd.; H. V. Clark; Linn Mathewson and Robt. Jarvis. \$740

Dec. 21, 1931—LOT 10 BLK A, Claremont Pines, Oakland. Joseph Guglielmo doing business as Phoenix Day Co. vs Roy and Ida Mauvais. \$13

Dec. 15, 1931—NW BROADWAY 140 NE Twentieth St., Oakland. Transit Concrete Ltd. vs Broadway & Twentieth Properties, Inc.; George Wagner and Chris Berg. \$504.13

Dec. 18, 1931—NW BROADWAY 140 NE 20th St., Oakland. Pacific Coast Aggregates vs Broadway & Twentieth Properties, Inc.; George Wagner and Chris Berg. \$123.03

Dec. 17, 1931—NW BROADWAY 140 NE Twentieth St., Oakland. E. K. Wood Lumber Co. vs Broadway & 20th Properties, Inc.; Chris Berg and George Warner. \$70.30

Dec. 17, 1931—LOT 11 BLK 7, Resub. of ptn of North Cragmont, Berkeley. E. K. Wood Lumber Co. vs Gust Jelm. \$102.17

Dec. 16, 1931—E 40 FT LOT 8 BLK 13, Broadmoor, San Leandro. A. J. Bowman doing business as Bowman Bldg Supply Co. vs H. A. Johnson, C. Dewey Oliver. \$86.15

Dec. 16, 1931—760 CAGMONT AVE., Berkeley. Jos. H. Jevons vs Leonard L. Richards, David Nordstrom. \$255.00

Dec. 16, 1931—SW SAN PABLO AVE. and Bancroft Way, Berkeley. Independent Iron Works vs Robt. H. Wetmore, Amy Florence Wetmore, Minnie B. Buckley, trustees. \$4735

Dec. 12, 1931—1319 BRUSH STREET, Oakland. P. L. Merrick doing business as Merrick Wall Paper and Paint Co. vs Bernard White, W. H. Finn. \$33.02

Dec. 12, 1931—LOT 16 BLK A, Sub. of a ptn of the Quigley Tract, Oakland. Morgan Electric Co., Ltd. vs Ida Irene and John I. Jones. \$134.55

Dec. 11, 1931—W PEARL ST. 130 S. Calhoun, Alameda. C. W. Abbott Co. vs L. J. and Hanna Annette and N. F. Justice. \$151.42

Dec. 10, 1931—LOT 17 BLK D, New Piedmont Heights, Oakland. Walter Todd, \$246.80; Sunset Lumber Co., \$487.03 vs J. J. Graham. Dec. 10, 1931—NO. 8310 E-FOURTEENTH ST., Oakland. Harry and Cecelia Larsen (as Larsen Bros.) vs George Linton and John Genicks. \$127.29

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San Francisco

Dec. 3, 1931—NW PERALTA AND W-Tenth St., Oakland. Tilden Lumber & Mill Co. vs Roman Catholic Archbishop of S. F. and J. E. McLaughlin \$75.45

Dec. 14, 1931—NW PERALTA AND W-Tenth Sts., Oakland. D. W. Chinn and P. J. O'Connor (as Crenin & O'Connor), \$318.80; Scott Co. vs Roman Catholic Archbishop and Chas. E. McLaughlin

Dec. 16, 1931—PTN LOT 8 BLK 12, Map of Bessborough, San Francisco. J. J. Jones Plumbing Co., \$100.33; Oliver Davis, \$194 vs H E Johnson

Dec. 14, 1931—W PEARL ST. 170 E Calhoun St., Alameda. Charles Simpson, \$112.50; Clarence Markus (as Markus Hardware Co), \$96; Swift Lumber Co., Inc., \$608.86; F. L. Courtney, \$74; Robert Streiff, \$271.10; Frank V Berckefeldt (as Globe Roofing Co), \$36.29 vs L G and Hannah Annett and Noble F Justice

Dec. 14, 1931—LOTS 5 AND 6 BLK 2001, Hogan Tract, Oakland, Arris Knapp Co vs Sam and Beckie Feldstein and E L McAllister..... \$62.69

Dec. 14, 1931—NW PEARL ST. 30 SW Calhoun, Alameda. L Scarameilli vs L G and Hannah Annett and R F Justice \$226.75

RELEASE OF LIENS

Alameda County

Recorded	Amount
Dec. 31, 1931—NO. 700 CRAGMONT Ave., Berkeley. Joseph H Jevons to Leonard L. Richards.....	\$255
Dec. 30, 1931—2747 HASTE STREET, Berkeley. Incandescent Supply Co to F E Hostetter, Robert J Barr.....	\$697.23
Dec. 30, 1931—2747 HASTE STREET, Berkeley. Hutchinson Co to F E Hostetter, Robt J Barr.....	\$1693.38
Dec. 24, 1931—PTN LOT 1, Trenor & Armstrong Tract. LeRoy Olson Co to Frank P Brophy, Jr.....	\$70.65
Dec. 18, 1931 — SW GRAND AND Bellevue Aves., Oakland. V N Smith to Union Oil Co. of Calif. and Central California Roads Co.....	\$191.49

Dec. 18, 1931 — NO. 8310 E-FOURTEENTH St., Oakland. Harry and Cecelia Larsen (as Larsen Bros) to George Linton and John Genicks \$127.20

Dec. 17, 1931—EDITH ST. AND Dullough Road, Oakland. California Steel Products Co to Roman Catholic Archbishop of S F and A. Polla \$420.40

Dec. 14, 1931—EDITH ST and Dullough Road, Oakland. Nat Lena, \$2886.45; E P Murphy doing business as E P Murphy Co to Roman Catholic Archbishop of San Francisco, Sisters of the Sacred Names of Jesus and Mary, James L McLaughlin Co.....

Dec. 14, 1931—EDITH ST and Dullough Road, Oakland. Pacific Coast Aggregates, Inc. \$5764.53; Transit Concrete, Ltd, \$1830.36; The Patent Scaffolding Co, \$450.25; Henri Gregoire, \$2860, to Roman Catholic Archbishop of San Francisco, James McLaughlin Co, Chris Berg

Dec. 14, 1931—EDITH ST and Dullough Road, Oakland. Pacific Coast Aggregates to Roman Catholic Archbishop of San Francisco, Jas L McLaughlin Co, Chris Berg, Henri Gregoire \$496.76

Dec. 12, 1931—EDITH ST and Dullough Road, Oakland. East Bay Glass Co to Roman Catholic Archbishop of San Francisco, Sisters of the Sacred Names of Jesus and Mary, James L McLaughlin Co..... \$934.15

Dec. 10, 1931—EDITH ST AND Dullough Road, Oakland. Dwan &

Co to Roman Catholic Archbishop of S. F. and James L McLaughlin Co..... \$773

Dec. 8, 1931—PTN LOTS 23 AND 24, Subd. of Ptn of Piedmont Heights, Oakland. Pacific Mfg Co to Roman Catholic Archbishop of S. F., Sisters of the Sacred Names of Jesus and Mary and James L. McLaughlin Co..... \$4808.23

Dec. 8, 1931 — EDITH ST. AND Dullough Road, Oakland. J E Back Co, Inc to Roman Catholic Archbishop of S. F. and James L McLaughlin, Inc. \$899

Dec. 14, 1931—EDITH ST and Dullough Rd., Oakland. United States Gypsum Co, \$6030.02; J J Seanlon, \$2780, to Roman Catholic Archbishop of San Francisco, Sisters of the Sacred Names of Jesus and Mary, James L McLaughlin Co, Chris Berg

Dec. 14, 1931—EDITH ST and Dullough Road, Oakland. Transit Concrete, Ltd to Roman Catholic Archbishop of San Francisco, Jas L McLaughlin Co, Chris Berg, Henri Gregoire \$20

Dec. 14, 1931—EDITH ST and Dullough Road, Oakland. Henri Gregoire to Roman Catholic Archbishop of San Francisco, Chris Berg \$2860

BUILDING CONTRACTS

SAN MATEO COUNTY

APARTMENTS
LOT 2 BLK G, San Mateo Heights, San Mateo. All work for two-story reinforced concrete store & apartment building.
Owner—Victor Dulluth et al, 210 E-Lane St., Burlingame.
Architect—Not Given.
Contractor—Rochex & Rochex, Inc., 11 B St., San Mateo.
Filed Dec. 28, '31. Dated Dec. 26, '31.
Frame up \$2705.31
Roof on 2705.31
When plastered 2705.31
When completed 2705.31
Usual 35 days..... 2705.31
TOTAL COST, \$13,526.55
Bond, \$13,526.54. Limit, 90 working days. Forfeit, none. Plans and specifications filed.

BUILDING PERMITS

SAN MATEO COUNTY

STORE building, \$1150; Lot 10 Blk 11, 14th Ave., San Mateo; owner, Wm. S. Leadley, 210 Mt. Diablo St.; San Mateo; contractor, Leadley & Wiseman, 207 2nd St., San Mateo
BUILDING, concrete, \$13,000; Lot 2 Blk. G, San Mateo Dr., San Mateo; owner, Burlingame French Laundry; contractor, Rochex & Rochex, 11 B St., San Mateo.

BUNGALOW, \$4000; No. 22 Blk 20, S. Grant St., San Mateo; owner, J. Klam, 815 4th St., San Mateo; contractor, A. Powers.

ADDITION, \$1000; Lot 5 Blk 6, No. 1006 5th Ave., San Mateo; owner and contractor, E. F. Clements.

RESIDENCE, \$5000; N 54 ft. of Lot 13 Blk 4, No. 219 Elm St., San Mateo; owner, Ralph Steele; contractor, R. E. Broderick, 130 12th Ave., San Mateo.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
Dec. 26, 1931 — LOT 27 BLK 4, Easton. Ray Paldwell et al to George McLeod.....	Dec. 15, 1931

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
Dec 12, 1931—BURLINGAME HILLS No. 4. A Anderson vs Panama Realty Co.....	\$165
Dec. 28, 1931—LOTS 25, 26 AND 27 Blk 3, Huntington Park. W L Hickey s W A Whitelock.....	\$179
Dec. 29, 1931—LOT 13 BLK 17, Burlingame Grove. Otto Meltz vs W A Sales et al	\$34.45
Dec. 29, 1931 — BAYSHORE WEST Side, back of San Carlos. Hamilton Morton Jr vs Joseph Lofon et al	\$1053

BUILDING PERMITS

SAN JOSE

RESIDENCE, frame, 8-room, \$7000; McKendrie St. near Morse, San Jose; owner, J. T. Baldwin, 855 Nevada Ave., San Jose; architect, H. Krause, 237 W-San Carlos St., San Jose; contractor, A. R. Calvello, 855 Nevada Ave., San Jose.
RESIDENCE, frame, 6-room, \$6000; Losse St. near Rankin St., San Jose; owner, E. A. Lennon, 285 S-First St., San Jose; architect, Bruce Barton, Beans Bldg., San Jose; contractor, Y. F. Van Dalsam, 905 Willow Glen Way, San Jose.
RELOCATE gas service station, \$1500 Stockton and Julian Sts., San Jose; owner, S. Manfre, Premises; contractor, W. H. Bell, 1022 Lennon Way, San Jose.

ALTER interior of Type III business building, \$1500; Santa Clara at 17th St., San Jose; owner, American Dairy, Premises; contractor, G. L. Honore, 136 Race St., San Jose.

BUSINESS building, one-story Type III, \$9500; No. 400 N-First St., San Jose; owner, Golden State Co., Ltd., 425 Battery St., San Francisco; Supt. E. W. Perkins, 425 Battery St., San Francisco.

ALTER frame residence, \$1500; Fifth St., near Taylor, San Jose; owner, Archie Farrill, 156 S-Market St., San Jose.

ALTERATIONS to Type II business building, \$3000; Santa Clara St. at 17th St., San Jose; owner, American Dairy, Premises; contractor, Van Fleet-Freear Co., 557 Howard St., San Francisco.

ALTER Type III business building, \$2000; No. 85-87 S-Market St., San Jose; owner, Robt. F. Benson, 89 S-Market St., San Jose; architect, H. Krause, 237 W-San Carlos St., San Jose; contractor, Megna & Newell, Bank of America Bldg., San Jose.

RESIDENCE, frame, six-room, \$3750; Thirteenth St. near Empire St., San Jose; owner, D. Teressi, 555 N-Twelfth St., San Jose; architect, H. Krause, 237 W-San Carlos St., San Jose; contractor, G. Leone, 497 N-17th St., San Jose.

ALTER Type III business building, \$4000; 26-28 W-San Antonio St., San Jose; owner, Conservation Realty Co., 285 S-First St., San Jose; contractor, H. A. Bridges, 1398 Lincoln St., San Jose.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded	Accepted
Dec. 28, 1931—PTN LOT 4 BLK 7, University Grounds, San Jose. Elmer F and Delia S Hall to whom it may concern.....	Dec. 24, 1931

Dec. 30, 1931—ON PPTY BEG. AT pt in the cen of Fifth St. prolonged SW. S 64° 59' E 253.90 ft. from W corporate limits of City of Gilroy; th NW and parl limits NW 233 ft. SW parl Fifth St. SW 58.90 ft. SE parl limits SE 233 ft. to Fifth St. NE on Fifth St. NE 58.90 ft. to pt of beg; except N ½ of Fifth St. on SE side of 15.662 acre tract Reh Lot 16. Byron W and Vivian Barshinger to Henry Guries.....Nov. 21, 1931

Dec. 30, 1931—CENTER FIFTH ST. SW 200 from W corporate limits Gilroy NW, W Corporate Limits NW 233 ft. SW parl Fifth St. SW 58.90 ft. SE Corporate Limits SE 233 ft. to Fifth St. NE Fifth St. NE 58.90 to pt of beg, except N ½ of Fifth St. that lies within this description. Leon Melkonian to Henry Guries.....Nov. 21, 1931

Dec. 30, 1931—LOT 5 BLK 19, Los Altos Map No. 2, Los Altos. Le Roy Mowbrader to whom it may concern.....Dec. 30, 1931

Jan. 2, 1932—CENTRAL LINE EL Monte and Hawthorne Aves. rmg th fmsd pt c SW on Hawthorne.....Ave. 257.73 SW 136.67 SE 204.88 to cen in El Monte Ave NE on Ave. 293.03 to pt of com, San Jose. Andrew J and Genevieve Moore to whom it may concern.....Dec. 23, 1931

Dec. 23, 1931—SE NEWALL ST. 100 ft. SE Morse St. SW on Newhall 40 ft. SE parl Morse 100 ft. NE parl Newhall, 40 ft. NW parl Morse St. 100 ft. to pt beg, parl Lot 6 Blk 16, Chapman & Davis Tract, San Jose. Benj A Quimet to whom it may concern.....December 21, 1931

LIENS FILED

SANTA CLARA COUNTY

Recorded	Amount
Dec. 29, 1931—372 Acres Ptn Rancho San Ysidro John Gilroy Portion and Ptn Lot 50 Las Cienegas Reho also 2.01 acres, Same. H P Atkinson vs Ikou Wada and Mabel G Chappell.....	\$276.75
Dec. 30, 1931—LOTS 13 AND 14 BLK 31, College Terrace, Palo Alto. Merner Lumber Co vs Gus H Koums et ux and Elmer D Partidge et ux.....	\$200.95
Dec. 30, 1931—PTN RANCHO SAN Ysidro and ptn of Lot 5 of Las Animas Rancho (372 acres). H P Atkinson vs K Hirasaki; Ikou Wada and Mabel Chappell.....	\$276.75
Dec. 31, 1931—LOTS 11 AND 12 BLK 5, P. J. Marten Subd of Blk 5, University Park. G W Burton vs Henry E Pratt and George Eye-man.....	\$260.16

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded	Amount
Dec. 24, 1931—LOTS 12 & 13 Marten's Subd of part Palo Rancho, also part Lot 14 (15.29 acres). Coast Electric Service to Bernardina Fleichmann.....	\$1379.23
Dec. 29, 1931—LOTS 1, 2 AND 3 of Resubd of Lot 9 Blk 14, Sunnyside Addition, San Jose. Merner Lumber Co to Pasquella Dellaquila.....	\$730.99
Dec. 30, 1931—LOTS 1, 2 AND 3 Resubd of Lot 9 Blk 14, Sunnyside Addition to Town of Mayfield. Merner Lumber Co to Pasquella Dellaquila.....	\$730.99
Dec. 31, 1931—PTN LOT 48, Buena Vista Subd, adjoining Mt. View. Albert Stewart to Jack Reynolds et ux and California Pacific Title & Trust Co.....	\$216

BUILDING PERMITS

MARTINEZ

BUNGALOW, frame and stucco, five-room, #4000; West Jones St., Martinez; owner, R. Goree, Martinez; designer, J. Croll, Martinez; contractor, Jim Croll, Martinez.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded	Accepted
Dec. 30, 1931—LOT 1 BLK 1, Lake Park. Howard H Becker to whom it may concern.....	Dec. 28, 1931
Dec. 29, 1931—LOTS 2 AND 3 N 93.9 ft. Lot 1, Nook Subd; also N ½ of W ½ of SE ¼ of NW ¼ of Sec. 8 T 2 S R 7 E, Stockton. Hayward Lumber & Investment Co vs E R Johnson.....	\$102.75

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded	Accepted
Dec. 23, 1931—IN OR NEAR CONCORD. H A Lassen to Herbert and Catherine Cordera.....	Dec. 23, 1931
Dec. 23, 1931—FTN LOT 18, Grammar School Addition to Concord. H A Lassen to Herbert and Catherine Cordera.....	Dec. 23, 1931
Dec. 30, 1931—LOTS 9 AND 10 BLK 136, Amended City of Richmond. Archie H Winchcole to whom it may concern.....	Dec. 21, 1931

LIENS FILED

CONTRA COSTA COUNTY

Recorded	Amount
Jan. 2, 1932—LOTS 32 AND 33 BLK 7, Richmond City Center. Charles Josephson vs T J Pritchard.....	\$99
Jan. 2, 1932—LOTS 32 AND 33 BLK 7, Richmond City Center. Hill Lumber & Hardware Co vs T J Pritchard, Sr; T J Pritchard Jr, and Bertha M Pritchard.....	\$190.32
Dec. 31, 1931—LOTS 22 AND 33 BLK 7, Richmond City Center. M A Lopes (doing business as Central Building Material Co.), \$186.34; J L Norvell, \$53.50 vs H B Page; T J Pritchard Jr.; Bertha M Pritchard and T J Pritchard Sr.....	

RELEASE OF LIENS

CONTRA COSTA COUNTY

Recorded	Amount
Dec. 31, 1931—N ½ LOT 10 BLK 55, City of Pittsburg. Hutchinson Co to Vincenzo Troia.....	\$343.75

RELEASE OF LIENS

MARIN COUNTY

Recorded	Amount
Dec. 24, 1931—MARIN TERRACE, near Sausalito. H J Skretting to Lorenzo Snow.....	\$
Jan. 5, 1932—SAN RAFAEL. Chas L Donovan to whom it may concern.....	Jan. 4, 1932
Dec. 28, 1931—MILL VALLEY. Walter J Swenson to Melvin Klyce.....	December 23, 1931

LIENS FILED

MARIN COUNTY

Dec. 23, 1931—SAN ANSELMO. J L Beasley vs L C Guard.....	\$100.60
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COMPLETION NOTICES

MONTEREY COUNTY

Recorded	Accepted
Dec. 30, 1931—FRONT AND ALFAL Sts., Salinas. Salinas to W E Green.....	December 21, 1931
Dec. 30, 1931—SPRING DISTRICT School Site, Monterey. Spring School District to C M Norgrove.....	December 30, 1931

LIENS FILED

SONOMA COUNTY

Recorded	Amount
Dec. 24, 1931—LOTS 22 AND 23 of Plat of Resubdiv of Rosevale Farms. P A Dont vs Harold and Grace E Everhart and Koch & Jensen.....	\$50
Dec. 24, 1931—LOT 23, Rosevale Farms Subd. Viggo N Jensen vs Harold and Grace E Everhart.....	

BUILDING PERMITS

SACRAMENTO

DWELLING, 6-room and garage, \$5500. No. 1717 Fourth St., being Lot 61 Blk 12, Maple Park, Sacramento; owner, S. E. Heden, 1811 F St., Sacramento; contractor, Carl Vogt, 3332 Truckee St., Sacramento.

TANK, water, \$5000; Southern Pacific Grounds, Sacramento; owner, Southern Pacific Railroad Co.

DWELLING, 5-room & garage, \$5000; No. 1130 Robertson Way, Sacramento; owner, Land Drive Terrace, 819 J St., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded	Accepted
Dec. 29, 1931—LOT 21, Oak Plains Subd No. 2, Sacramento. George A and Essie Primrose to whom it may concern.....	Dec. 22, 1931

LIENS FILED

SACRAMENTO COUNTY

Recorded	Amount
Dec. 31, 1931—LOT 56, McKinley Blvd. Tract No. 2, Sacramento. Emigh Winchell Hardware Co, Inc vs John Simmons and Gertrude ux.....	\$73.58
Dec. 31, 1931—LOT 125 McKinley Blvd Tract No. 2, Sacramento. Emigh Winchell Hardware Co, Inc vs John Simmons and Gertrude ux.....	\$25.92
Dec. 31, 1931—LOT 8, F, G, 11th and 12th Sts., Sacramento. General Supply Co, Inc, vs Nellie S Dunlap.....	\$97.42
Dec. 31, 1931—LOT 64, Curtis Oaks, Sacramento. General Supply Co, Inc, vs Thomas H Armstrong.....	\$97.60
Dec. 31, 1931—LOT 31, Curtis Oaks, Sacramento. General Supply Co, Inc vs Dela M Brooks.....	\$33.67

COMPLETION NOTICES

FRESNO COUNTY

Recorded	Accepted
Dec. 30, 1931—LOT 13 N ½ LOT 14 Blk 1, Yosemite Addition, Fresno. E W Radden to Ernest Russell.....	
Dec. 31, 1931—LOTS 30 AND 40 Blk 12, Sierra Vista Addition, Fresno. Frank J Maslowski et ux to whom it may concern.....	

December 22, 1931
 Jan. 2, 1932. GEORGE H. AND
 EDITH S. FRESNO, 4500 Kaehler
 Road, T. 1, C. 44, D. 31, 1931

LIENS FILED

FRESNO COUNTY

No. 1000 Amount
 1931 SW 1/4 of SW 1/4 of
 Sec. 16, T. 40-N., R. 10-E., Valley
 Township Co. of Walter A. Bontz
 \$2465

ENGINEERING SOCIETIES EMPLOYMENT SERVICE

Further information regarding positions listed in this column is obtainable from Newton D. Cook, Room 715, 57 Sog. St., San Francisco. (Phone SUTter 1684).

W-3361 TRAFFIC ENGINEERS with telephone traffic experience for the purpose of making a study for allocation of revenues between local and long distance and between intra-state on the one hand and interstate on the other. Apply by letter. Location, West.

W-3392 MECHANICAL ENGINEER. Should have inventive ability and experience in design of various kinds of machines. Position permanent. Apply only by letter stating full details including age, religious affiliations, salary expected, etc. Location South.

W-3379 MANAGER for a gas property (public utility) in city of 25,000. Must be a Canadian. Salary, \$4000-\$5000 a year. Apply by letter.

R-3719-S TECHNICAL SALESMAN, at least 30 years old, with good sales experience, preferably in the line of food products so that he would be acquainted with this trade. Chemical engineering training would be required. Salary, \$250 per month or more, depending upon man. Permanent. Location, entire Pacific Coast. Headquarters, San Francisco.

R-3724-S CIVIL ENGINEER, experienced in the development and maintenance of roads, buildings, water supply, etc., of a large resort property. Employers wish to secure a man who can take a financial interest in the company, if possible. Established property. Apply by letter. Location, Northern California.

R-3725-S ARCHITECT, to teach classes in architecture and descriptive geometry in a private school. Salary depends upon number of registrations in department, which are low at present, but may be built up. Apply by letter. Location, San Francisco.

R-3769-S PRODUCTION MANAGER, preferably electrical engineer with telephone and sound recording experience, familiar with high speed production work and the related systems of time and cost controls, to work with company producing radio programs for electrical transcription or direct broadcasting; \$300 month to start. Must be able to make stock investment in company. Location, San Francisco.

BUSINESS OPPORTUNITIES

H. D. Richardson, 929 Pine St., San Francisco, wishes to represent local manufacturers or wholesalers in the Northwest.

C. S. Milligan, Instant Soldering Tool Co., Pittsford, N. Y., seeking local sales concern to handle their product in California.

W. C. Jones, St. Paul Assn. of Commerce, St. Paul, Minn., represents a distributor for motor power equipment company which desires to secure lo-

cally manufactured item for distribution in territory of St. Paul.

Wm. F. Kroneman, Standard Aromatics, Inc., Bush Terminal Bldg. No. 1, Brooklyn, N. Y., is seeking individual or concern to handle their line in San Francisco territory.

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While the national and international leaders are seeking to liberate the financial resources of the world and place them in a more fluid condition, much earnest effort will be required to evaluate the relative significance of both the Domestic and Foreign Market, says the Research Department of the San Francisco Chamber of Commerce.

The value of the total United States Foreign exports in the exceptional year of 1929 amounted close to 5.2 billion dollars. The total value of all U. S. manufacturers amounted to 70 billion dollars during the same year of which slightly more than 5% were exported.

The total exports amounting to 5.2 billion dollars grouped under five headings shows:—Finished Manufactures accounted for 49.0%; Semi-Manufactures for 14.2%; Manufactured Food stuffs 9.4%; Crude food stuffs 5.2%; and Crude materials, 22.2%.

It is thus possible to partially visualize the problem from this perspective and to better understand at the same time the relative importance of our own national opportunity.

A preliminary estimate of the number of incandescent lamps sold in the United States during 1931 indicates a total of 557,400,000 for both large and miniature lamps, according to a review of the electrical industry by John Liston in the General Electric Review for January.

The quantity included 349,450,000 large lamps with metal filaments, a new high record, and 208,100,000 miniature lamps with metal filaments. There was a decided drop in the sale of carbon-filament lamps, which ac-

counted for less than one per cent of the total. These lamps included only 4,850,000 large and miniature bulbs, less than one-third the production in the previous year.

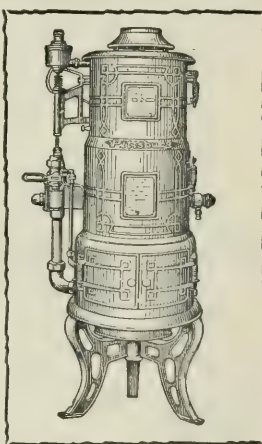
In the field of lighting, a number of new types of lamps were produced, some of them developed along conventional lines but others having distinctly new features. Among the latter was a combined mercury-vapor and incandescent lamp unit for use in a windowless factory; new types of neon glow lamps for special applications; and ultra-violet producing lamps which are so designed as to permit their safe, continuous use without transformers on normal lighting circuits.

In January 1932, the Bureau of Labor Statistics of the United States Department of Labor will begin the publication of a revised wholesale price index to be issued weekly as well as monthly.

The new wholesale price index carries 784 price entries, instead of 550 as before. For most part the additional items are the fully manufactured commodities, or the so-called "consumers' goods."

The new index continues the average for the year 1926 as its price base, or as representing 100, and all additional commodities have been priced back to that date.

The price material for the weekly index will be secured from such published sources as are available, and from direct weekly price quotations to the Bureau of Labor Statistics from manufacturers. The bureau is much gratified by the large number of manufacturers who have agreed to report weekly. The weekly price index will be computed and released for publication each week in the month. The monthly index will be computed separately as heretofore but on the larger number of commodities. It will not be an average of the weekly indexes owing to the varying number of week endings in the month.



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